UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
FACULTATEA DE CONSTRUCȚII ȘI INSTALAȚII
DEPARTAMENTUL DE CĂI DE COMUNICAȚII ȘI FUNDAȚII

OPIS
al documentelor depuse pentru gradația de merit

Nr.crt.	Document	Nr. Pag.
1.	Cererea de înscriere (Anexa 1)	1
2.	Raport de autoevaluare pentru gradaţie de merit (Anexa nr. 2)	2-6
3.	Grila de evaluare	7-20
4.	Declaraţia pe propria răspundere	21
5.	Documentele justificative	22-41
6.	Fişa de verificare- standarde sept.2026	42-73
7.	Fişa de verificare- standarde vechi	74-108
8.	Adeverința	109
	TOTAL	**109 file**

Prof.univ.dr.habil.ing. Ancuța ROTARU

14.10.2026 .....

Anexa Nr.1

Domnule Decan,

Doamnă Director de Departament,

Subsemnata, Ancuța ROTARU, cadru didactic al Universității Tehnice „Gheorghe Asachi" din Iaşi cu funcția actuală de Profesor universiotar în cadrul Departamentului de Căi de Comunoicații și Fundații, Facultatea de Construcții și Instalații, solicit, prin prezenta, înscrierea la concursul pentru acordarea gradației de merit pentru perioada 2026-2031 conform Procedurii privind acordarea gradațiilor de merit pentru personalul didactic titular din cadrul Universității Tehnice,Georghe Asahi" din Iasi, PO.DID.11

14.10.2026 Prof.univ.dr.habil.ing. Ancuța ROTARU,

Universitatea Tehnică „Gheorghe Asachi” din Iaşi
Facultatea de Construcţii şi Instalaţii
Departamentul de Căi de Comunicații și Fundații

RAPORT DE AUTOEVALUARE A ACTIVITĂȚII PENTRU ANII 2021-2026

Subsemnata, **ROTARU ANCUŢA**, profesor universitar/doctor abilitat titular la Universitatea Tehnică „Gheorghe Asachi” din Iaşi, Facultatea de Construcţii şi Instalaţii, Departamentul de Căi de Comunicaţii şi Fundaţii, candidat la concursul pentru gradația de merit 2026, apreciez îndeplinirea criteriilor de evaluare după cum urmează:

APRECIERI PROPRII ASUPRA ÎNDEPLINIRII CRITERIILOR DE EVALUARE

ACTIVITATEA DIDACTICĂ

***Criteriul 1* - Calitatea activităţilor didactice/profesionale**

În perioada 2021-2026 am desfăşurat activităţi didactice şi profesionale de calitate, la un nivel academic şi ştiinţific ridicat, cu preocupări permanente de pregătire psihopedagogică şi metodică, urmând în mod constant şi continuu perfecţionarea asupra tehnicilor şi metodelor de predare şi asupra cunoaşterii celor mai noi concepte şi tehnologii, pentru a transmite studenţilor cunoştinţele teoretice de bază şi experienţele practice în cadrul disciplinelor pe care le predau.

Activitatea didactică am desfășurat-o din 2021 până în 2023 în calitate de conferențiar universitar, iar din martie 2023 până în prezent, ca profesor universitar. Sunt titular de disciplină la *Geologie inginerească*, anul II Construcții, semianul A, dar și la programul cu predare în limba engleză, anul II, unde cursul se intitulează *Engineering Geology*, incluzând în ambele programe și orele aplicative. De asemenea, sunt titular la două discipline de maximă aplicabilitate practică, *Fundații speciale* la anul IV CCIA și *Probleme speciale de fundații/ Probleme speciale de inginerie geotehnică* la anul IV CFDP, incluzând partea de aplicații. La Master, predau cursul și aplicațiile la *Complemente de geologie* – master an I, Inginerie Geotehnică (IG), *Fundații pentru construcții speciale* la anul II, IG și *Probleme speciale de geotehnică și fundații pentru infrastructuri de transport* la anul II Infrastructuri Moderne în Transporturi (IMT). Disciplinele pe care le-am coordonat și

le-am predat de-a lungul acestei perioade de timp – *Geologie inginerească, Fundații pentru construcții speciale, Fundații în condiții speciale, Probleme speciale de geotehnică și fundații, Complemente de geologie inginerească* – controlează în mod direct fundamentarea, proiectarea primară și siguranța structurală ale oricărui șantier. Această activitate inginerească se concretizează în elaborarea modelelor geotehnice de fundare, încercări experimentale in-situ, dar și din verificări ale unor terenuri dificile de fundare (studii geotehnice, amplasament, rețele).

Din 2021 până în prezent am predat în fiecare an universitar și în sistemul *plata cu ora*: lucrări la disciplinele *Geologie Inginerească/ Engineering Geology* studenţilor de la anul II, profil Construcţii, programele cu predare în română și în engleză și la anul IV, programul de studii *Construcţii Civile Industriale şi Agricole* şi studenţilor de la specializarea *Căi Ferate, Drumuri şi Poduri,* discipline opționale ce completează curricula destinată studiului pământului.

În anul 2022, am elaborat curs nou la *Engineering Geology*, cu adresare imediată studenților care vor să primească informația sub formă sintetizată și concisă. Acest curs a fost pus la îndemâna și dispoziția studentilor, fiind încărcat pe platforma ResearchGate de o manieră imediată.

Ancuţa Rotaru, *„Lectures on Geology”* – curs la disciplina *Geologie inginerească* pentru studenţii anului II, specializarea Inginerie Civilă cu predare în limba engleză, 101 pagini + 340 slides. Este un curs realizat ca unic autor postat inițial pe web-ul Facultăţii de Construcţii şi Instalaţii https://ci.tuiasi.ro/studenti/resurse-online/, care a fost încărcat apoi pe Researchgate:

https://www.researchgate.net/publication/365319917_INTRODUCTION_IN_GEOLOGY
https://www.researchgate.net/publication/365319693_2_Planetary_Geology
https://www.researchgate.net/publication/365320579_THE_EARTH
https://www.researchgate.net/publication/365319913_Volcanoes
https://www.researchgate.net/publication/365320017_Earthquakes
https://www.researchgate.net/publication/365319951_Minerals
https://www.researchgate.net/publication/365320023_About_Rocks
https://www.researchgate.net/publication/365320135_Plate_Tectonics

Cuprinde strict capitolele de studiu pentru disciplina *Engineering Geology* (*Geologie inginerească)*, dar şi două prezentări originale PowerPoint, anexe la capitolul *Minerale*: o anexă în care am arătat în imagini color majoritatea mineralelor studiate şi o altă anexă în care am prezentat materialul *Lumea magică a diamantelor.*

În același an, am elaborat o carte de specialitate cu titlul *External Risks Behind Building Decay*, adresată studenților care vor să depășească limita manualelor și să știe nu doar cum să citească planșe și să organizeze un șantier, dar și să-și pună probleme legate de reducerea riscurilor care apar în activitatea de construcții, fie într-un mod brutal, datorită unui hazard natural, fie din cauza unor greșeli de proiectare sau de execuție.

În fiecare an universitar am prezentat studenţilor articole, lucrări ştiinţifice, diapozitive şi lucrări în PowerPoint, încercând să realizez o comunicare cât mai bună cu studenţii din anii II şi IV precum și cu studenții de la programul de Master Inginerie Geotehnică unde predau disciplinele *Complemente de geologie inginerească* (la anul I) și *Fundații pentru construcții speciale* (la anul II) și cei de la IMT.

De asemenea, am prezentat la ore modalităţi alternative de însuşire a cunoştinţelor, considerând şi străduindu-mă să-i fac şi pe studenţi să considere creativitatea ca făcând permanent parte din modul de gândire al inginerului constructor.

Pentru îmbunătăţirea abilităţilor didactice şi pedagogice, am urmat şi absolvit cursurile de consilier în carieră (2024), II module de formare psihopedagogică

Aplicarea unor strategii manageriale în vederea dezvoltării creativităţii studenţilor de la Facultatea de Construcţii şi Instalaţii la disciplinele pe care le predau a fost în permanență o preocupare pentru mine, pentru a le putea prezenta modalităţi folosite pentru dezvoltarea creativităţii lor.

În perioada pe care o analizez (octombrie 2021-septembrie 2026), am avut șansa, dar și responsabilitatea de a edita două cărți voluminoase la prestigioasa editură Springer, sub umbrela unei serii populare și de succes, intitulată *Springer Series in Geomechanics and Geoengineering*. Cărțile poarta titlul *Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment și Knowledge* și *Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment*. Două cărți surori, care se îmbrățișează prin tematica abordată și care se vor un semnal de alarmă în lumea făuritorilor de zgârâie nori și clădiri excentrice că mediul înconjurător oferă provocări inginerului constructor și că riscurile legate de stabilitatea unei construcții se opresc atunci când se găsesc soluții durabile de reabilitare. Cărțile au 600, respectiv 560 de pagini și se constituie din 2 x 48 lucrări științifice semnate de renumite cadre didactice de pe întreg mapamondul (India, Indonezia, Spania, Italia, Bulgaria, Portugalia, Albania, Slovenia, Austria, Romania și lista nu se închide aici).

Tot în 2022, împreună cu doi colegi de proiect, Prof. Dashnor Hoxha de la Universitatea din Orleans, Franța, și Prof. Wu Wei de la BOKU, Viena, Austria, am servit ca editori ai revistei *Studies on Sustainable Rehabilitation of the Built Environment,* – un numar special al prestigioasei reviste *Sustainability*, MDPI (WoS). O provocare pe cât de onorantă, pe atât de dificilă, pentru că recenzorii nu au precupețit niciun efort pentru a depista orice nesiguranță sau stângăcie și a solicita autorilor acuratețe, inspirație și probe concrete.

Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment (CRIT-RE-BUILT), *Springer Series in Geomechanics and Geoengineering*, **Ancuţa Rotaru** (Ed), 615 pp, Springer Nature, 2020; Studies on Sustainable Rehabilitation of the Built Environment, *Sustainability*, Special Issue, Dashnor Hoxha, **Ancuța Rotaru**, Wei Wu (Eds), MDPI Academic Open Access Publishing, 2022 (factor de impact ISI 3,889). Cartea Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment (KNOW-RE-BUILT), *Springer Series in Geomechanics and Geoengineering*, **Ancuţa Rotaru** (Ed), 492 pp, Springer Publishing House, 2024.

Pe 14 octombrie 2021 am susținut teza de abilitare cu titlul “Eco-friendly Materials for Sustainable Rehabilitation of Substructure Works Affected by Hazards”, în domeniul Inginerie Civilă și Instalații. Comisia a fost formată din Prof. Dorina-Nicolina Isopescu (TUIASI), Prof. Paolo Simonini (U. din Padova, Italia), Prof. Carmen-Elena Maftei (U. Transilvania din Brașov). În data de 22 martie 2022, Senatul TUIASI a aprobat desfășurarea activității de conducere de doctorat în domeniul Inginerie Civilă și Instalații în cadrul Școlii Doctorale Universității Tehnice Gheorghe Asachi din Iași. În momentul de față, sunt conducător de doctorat pentru 9 studenți doctoranzi.

Pregătesc cu mare responsabilitate cursurile, lucrările şi proiectele, printr-o atentă documentare şi ţinută ştiinţifică, iar prezentarea lor în faţa studenţilor o realizez astfel încât aceştia să asimileze cât mai multe informaţii în timpul orelor didactice.

Pentru buna defăşurare a activităţilor didactice, am realizat la disciplinele predate material suport de actualitate, pe care l-am elaborat ca unic, prim sau co autor, prezentând cele mai noi cunoştinţe din punct de vedere ştiinţific şi didactic. Prin elaborarea de cursuri, cărţi, capitole de cărți şi îndrumare publicate în străinătate

sau în edituri naționale recunoscute CNCS, am urmărit să fac disciplinele predate cât mai atractive şi mai ancorate în realitatea actuală din domeniul construcţiilor, conectându-i permanent pe studenţi la cunoştinţele din domeniu existente în literatura internaţională de specialitate.

ACTIVITATEA DE CERCETARE

Criteriul 2 – Calitatea activităților de cercetare

Colaborarea fructuoasă cu revista *Sustainability*, Open Access, nu s-a oprit doar la a edita o îngrijită și prețioasă revistă, ci a dominat în special prin diseminarea rezultatelor cercetării sub forma a cinci lucrări științifice de mare întindere, Q2, publicate în perioada 2022-2023 și realizate împreună cu colective de cercetare din Facultatea de Construcții și Instalații. Titlurile și colectivele care au elaborat aceste lucrări pot fi cunoscute din Fișa de autoevaluare depusă alăturat. Ceea ce vreau să remarc este că a existat o adevarată dispută academică de înaltă ținută între autori, care au renunțat greu la unele opinii, argumentând de multe ori cu logică deplină, și recenzori, care s-au angajat într-un dialog științific pe cât de interesant pe atât de benefic pentru îmbunătățirea calității lucrărilor.
Tot în această perioadă, am publicat alături de trei studente doctorande de la Universitatea Mohammed V din Rabat, care au efectuat un stagiu de mobilitate Erasmus+ de un semestru la TUIASI, cateva lucrări notabile. Entuziasmul lor și perseverența cu care am urmărit rezultatele cercetării au făcut posibilă publicarea acestor rezultate în reviste WoS Q3 și Q4, așa cum apar în fisa de autoevaluare. Tot în reviste de mare impact, Q3 și Q4, am publicat 2 articole științifice alături de un doctorand pe care-l supervizez și care este în perioada de pregătire a tezei.
Un număr de 14 lucrări BDI au fost scrise în colaborare cu doctorandele marocane, cu colaboratori statornici Erasmus+ (din India, Iordania și Portugalia) precum și cu aceleași echipe de cercetare formate la Facultatea de Construcții și Instalații, dar și cu doi doctoranzi pe care îi îndrum.

Un loc aparte în acest Raport doresc să-l aloc proiectelor în care am activat în această perioadă. Din punct de vedere temporal, preocupările mele au balansat între marele proiect european câştigat prin competiţie, 20181-RO01-KA203-049214 Rehabilitation of the Built Environment in the Context of Smart City and Sustainable Development Concepts for Knowledge Transfer and Lifelong Learning (RE-BUILT) ERASMUS+ KA2 – Higher Education Strategic Partnerships, care s-a finalizat la sfarsitul anului 2021 (388.456 Euro). Ultimele 3 luni din proiect au fost foarte intense și au marcat încercarea noastră, a membrilor proiectului, de a realiza toate mobilitățile programate, deși încă mai eram în pandemie. În calitate de director de proiect, am încercat nu doar să realizez toate activitățile proiectului, dar entuziasmul, puterea umană și materială date de proiect ne-au creat oportunitatea de a publica în *Sustainability*, ceea ce i-a sporit semnificativ acestuia nivelul de implementare.

Al doilea mare proiect la care lucrez și în continuare, este un **proiect cu rol didactic ce are ca scop îmbunătățirea performanțelor studenților**. Este proiectul Erasmus+KA171 cu țări non-UE, la care, în perioada evaluată, activitatea mea de

coordonare a depășit sfera sarcinilor curente, transformându-se într-un **motor de internaționalizare și de atragere de resurse financiare externe în universitate**.
Din această poziție, am gestionat un portofoliu complex format din 25 de contracte bilaterale distincte, reușind să generez și să atrag aproximativ **30%** din totalul fondurilor alocate TUIASI pentru acest tip de proiect.
Indicatorul central al acestui impact didactic îl reprezintă atragerea unui număr masiv de cadre didactice internaționale, care au susținut prelegeri, cursuri și seminarii pentru studenții noștri, culminând în acest an cu organizarea și finanțarea unui program intensiv hibrid de succes de tip BIP, cu participarea unor experți din spațiul UE și non-UE (Albania, Bosnia-Herțegovina, Georgia, Algeria, Chile, Uruguay, Africa de Sud), care a oferit studenților TUIASI o experiență de învățare ce ar putea fi definiția "îmbunătățirii performanțelor studenților".
Având în vedere această anvergură, am introdus proiectele Erasmus+KA171 în secțiunea 2.8 a evaluării, pentru a fi evaluate **valoric**, în baza următoarelor argumente:

1. Sursa financiară și caracterul competitiv (Erasmus-Edu): Spre deosebire de acțiunea KA131, care reprezintă o alocare bugetară automată și predictibilă din fondurile interne ale UE pentru mobilități curente, acțiunea KA171 este finanțată din fondurile de politică externă a UE. Obținerea granturilor KA171 se face exclusiv prin competiție directă și evaluare calitativă externă derulată de Agenția Națională (ANPCDEFP). Din punct de vedere al arhitecturii programelor europene, KA171 are statut de proiect de cooperare internațională (încadrat oficial în sfera Erasmus-Edu), la fel ca proiectele structurale PEO sau ROSE, justificând aplicarea formulei de calcul bazată pe valoarea financiară atrasă.
2. Structura pe "grant-uri financiare" per țară și runda de finanțare: În cadrul KA171, universitatea nu primește o sumă globală, ci bugete specifice segregate strict pe țări și pe runde de finanțare, în baza unor criterii de management regional. Faptul că repartițiile oficiale (transmise de Biroul RI coordonatorilor prin notificările de alocare anuală) sunt emise nominal pe bugete și țări, și demonstrează că fiecare parteneriat reprezintă un proiect pe care cadrul didactic îl coordonează.
   Evaluarea corectă a volumului de muncă asigurată de coordonatorul academic se poate face doar prin cuantificarea valorică a acestor bugete,
3. Impactul didactic prin mobilități de predare și BIP, ce vizează direct componenta didactică și de performanță a studenților.
4. Principiul echității în recunoașterea atragerii de resurse: Limitarea unei activități de o asemenea anvergură la un punctaj fix (care are sens doar pentru mobilități europene curente de tip KA131) ar reprezenta o discriminare metodologică față de proiectele PEO și ROSE. Formula valorică a fost introdusă în fișă tocmai pentru a recompensa cadrele didactice care aduc venituri directe și capital de vizibilitate în universitate.
   NOTĂ: Email-urile de repartizare anuală pe țări/ bugete sunt puse la dispoziția comisiei de evaluare. Contractele bilaterale se află în arhiva Biroului de Relații Internaționale.

Impactul, relevanța și vizibilitatea internațională ale activității mele de cercetare sunt validate obiectiv la nivel internațional prin acumularea unui număr de 196 de citări în reviste valoroase, ce atestă recunoașterea rezultatelor mele științifice de către comunitatea academică transfrontalieră și contribuie direct la creșterea prestigiului și poziționării instituției in clasamente universitare.

RECUNOAȘTEREA ȘI IMPACTUL ACTIVITĂȚII

Criteriul 3 – Recunoașterea și impactul activității

Dimensiunea internațională a activității mele academice este reflectată elocvent de calitatea de profesor invitat în 26 de țări pe parcursul ultimilor 5 ani. Această activitate a permis diseminarea rezultatelor cercetării proprii în spații universitare diverse, conectând universitatea noastră la rețelele globale și consolidând cooperarea internațională.

Recunoașterea internațională îmi este atestată și prin calitatea de membru în colectivele de redacție ale unor prestigioase reviste indexate WoS (ISI), de unde coordonez procesele editoriale internaționale, validez calitatea cercetărilor propuse spre publicare și contribui la stabilirea direcțiilor de evoluție științifică.

Cooptarea mea ca membru în comitetele științifice la peste 30 de conferințe și congrese în ultimii 5 ani, ca membru in echipe de evaluare a cercetării științifice prin diseminarea rezultatelor în reviste de prestigiu (peer review), ca membru în echipe de expertizare (evaluare) a procesului educaţional (ARACIS), intregesc activitatea mea academică.

Am participat, ca Profesor invitat pentru a susține module de curs/prelegeri, astfel (selecție):

3.1. La universităţi de prestigiu din străinătate:

Profesor invitat pentru prelegeri la universitati de prestigiu

3.1.1. Epoka University, Tirana, Albania 2021
3.1.2. University of Orleans, Franța, 2021 (nov-dec)
3.1.3. University of Cassino, Italia, 2021 (octombrie)
3.1.4. NOVA University, Lisabona, Portugalia, 2021 (octombrie)
3.1.5. Epoka University, Tirana, Albania 2022
3.1.6. Universitatea Fidelitas, San Jose, Costa Rica, 2023
3.1.7. Universitatea de Transport Todor Kableshkov din Sofia, Bulgaria, 2023
3.1.8. Universitatea Atma Jaya Yogyakarta din Yogyakarta, Indonezia, 2023
3.1.9. Universitatea Pelita Harapan din Jakarta, Indonezia, 2023
3.1.10. Universitatea Istanbul Aydin din Istanbul, 2023
3.1.11. Universitatea Istanbul Aydin din Istanbul, 2024
3.1.12. Georgian Technical University, Tbilisi, 2024
3.1.13. Universitatea Mohammed V, Rabat, 2024
3.1.14. Asian Institute of Technology, Bangkok, 2025
3.1.15. Universitatea din Pretoria, Pretoria, Africa de Sud, 2025
3.1.16. Universitatea de Stiinta si Tehnica Houari Boumediene, Alger, Algeria, 2025
3.1.17. Unversitatea din Lima, Peru, 2025
3.1.18. ENSIT, Tunis, Tunisia, 2025
3.1.19. Munster Technological University, Cork, Irlanda, 2025
3.1.20. Universitatea din Montevideo, Uruguay, 2025
3.1.21. Georgian Technical University, Tbilisi, Georgia, 2025
3.1.22. Universitatea Fidelitas, San Jose, Costa Rica, 2023
3.1.23. University of Montenegro, Podgorica, 2026
3.1.24. University of Sarajevo, 2026
3.1.25. Epoka University, Tirana, Albania, 2026
3.1.26. Universitatea Mohammed V, Rabat, 2026

3.2. Sunt membru în colective de redacţie ale revistelor:

3.2.1. **Reviste ale societății științifice internaționale cotate ISI**

3.2.1.1. Topical Advisory Panel Member of „Materials" journal (MDPI, IF: 3,1 în 2024, ISSN: 1996-1944)
https://www.mdpi.com/journal/materials/topical_advisory_panel?search=Rotaru+Ancuta

3.2.1.2. Editorial Board Member – Civil Engineering section, Scientific Reports journal (Springer Nature, IF: 3,8 in ianuarie 2025)
https://www.nature.com/srep/about/editors#civil-engineering

3.2.2. **Reviste ale societății științifice internaționale cotate BDI**

3.2.2.1. International Research Journal for Science Engineering and Technology (IRJSET)
http://irjset.com/home/index.php?option=com_k2&view=item&layout=item&id=36&Itemid=141

3.2.2.2. World Academy of Science, Engineering and Technology - Civil and Environmental Engineering (Attestation Letter – March 9th, 2017)
https://waset.org/Committees/civil-and-environmental-engineering?page=3

3.2.2.3. International Journal of Civil Engineering and Futuristic Technology
http://www.adpublication.org/Journal.aspx?JID=14

3.2.2.4. Athens Institute for Education & Research (ATINER)
https://www.atiner.gr/division-members/eard-mem

3.2.2.5. Prevention and Treatment of Natural Disasters – collection editor
https://ojs.ukscip.com/journals/ptnd/topical_smbe

3.2.2.6. American Journal of Civil Engineering (AJCE) – Certificat "Editorial Board Member"
https://www.sciencepublishinggroup.com/journal/229/editorial-board

3.2.2.7. International Journal of Scientific and Research Publications (IJSRP)
https://www.ijsrp.org/ijsrp-editorial-board.php?page=16

3.2.2.8. Current Trends in Civil & Structural Engineering (CTCSE)
https://irispublishers.com/ctcse/editorialboard.php

3.2.2.9. International Journal of Civil Engineering and Structural Dynamics (IJCESD)
https://www.svedbergopen.com/ijcesd/editorial-board

3.3. Sunt membru în comitete științifice naționale/ internaţionale/ de program (la congrese, conferinţe etc.)

3.3.1. 3rd World Conf. on Architecture and Civil Eng., Prague, Czech Rep., Sept. 18-20, 2025,

3.3.2. Global Summit on Env. Sci. and Eng., Rome, Italy, June 16-18, 2025,

3.3.3. 3rd Word Conf. on Securities Studies, Warshaw, Poland, May 29-31, 2026,

3.3.4. 9th Int'l Conf. on Env. Sci. & Civil Eng. (2026 ICESCE), Nanchang, China, Sept. 26-27, 2026,

3.3.5. 3rd World Conference on Recycling and Waste Management (WCRWM), 22-23 aprilie, 2024, Berlin, Germania
https://eurasiaconferences.com/events/berlin/2024/recycling-and-waste-management/committee

3.3.6. World Conference on Security Studies (WORLDSECURITYCONF), 10-12 octombrie 2024, Milano, Italia
https://www.worldsecurityconf.org/scientific-committee/

3.3.7. 2nd Global Conference on Waste Management and Recycling (WMRCONF), 24-26 octombrie 2024, Nice, France
https://www.wmrconf.org/scientific-committee/

3.3.8. 2nd World Conference on Architecture and Civil Engineering, 27-29 noiembrie 2024**,** Viena, Austria
https://www.arceconf.org/scientific-committee/
3.3.9. 3rd International Summit on Civil, Structural, and Environmental Engineering (ISCSEE2025), 21-23 iulie 2025, Frankfurt, Germania https://civilsummit.com/committee
3.3.10. World Forum & Expo on Environmental Sciences and Applications (ENVIFORUM2025), 21-23 iulie 2025, Munchen, Germania https://environforum.org/committee
3.3.11. 2nd International Conference on Renewable and Sustainable Energy (ISTDRSE 2025), 21-22 august 2025 in Dubai, UAE
https://inovscitechconferences.com/25/dubai/renewable-energy/#committee
3.3.12. 2nd International Summit on Infrastructure and Construction Engineering (ISICE2025), 8-10 septembrie 2025, Dubai, UAE https://infrastructure.spectrumconferences.com/committee
3.3.13. A XV-a Conferința Națională de Geotehnică și Fundații CNGF 2025, Timișoara, 18-20 septembrie 2025 https://www.ct.upt.ro/cngf2025/
3.3.14. The 3rd International Conference on Advanced Civil Engineering and Smart Structures (ACESS 2024) - 22-24 noiembrie 2024, Bangkok, Thailanda
https://icacess.org/ACESS%202024/pages/committee.html
3.3.15. International Conference on Infrastructure and Construction Engineering (ICICE-2026), 18-20 mai 2026, Madrid, Spania https://infrastructure.pagesconferences.org/
3.3.16. Annual Global Summit on Earth Science and Climate Change (AGSCLIMATE2026), 19–21 mai 2026, Paris, Franța https://vividglobalsummits.com/2026/climate-change
3.3.17. Annual Global Summit on Environmental Science and Green Energy (AGSENGREEN2026), 25-27 martie 2026, Lisabona, Portugalia
https://vividglobalsummits.com/2026/Green-energy
3.3.18. Global Summit on Civil, Structural, and Environmental Engineering (CIVIL2026), 28-30 mai 2026, Madrid, Spania http://bit.ly/3FUrrcg
3.3.19. International Conference on Collaborative Research in Education, Social Sciences, Humanities, Engineering, and Technology, 18-19 septembrie 2025, Rome, Italy
https://www.iferp.in/i2cret/committee-members.php
3.3.20. The 4th International Conference on Advanced Civil Engineering and Smart Structures (ACESS 2025)**,** 25-27 iulie 2025, Bali Island
https://www.icacess.org/pages/committee.html
3.3.21. Renewable and Sustainable Energy (RTMRSE2026), 23-25 martie 2026, Dubai, UAE
https://realteksciencemeetings.org/conference/renewable-sustainable-energy/committee
3.3.22. The 8th International Conference on Environmental Science and Civil Engineering (2025 ICESCE)**,** 11-12 octombrie 2025, Nanchang, China
https://www.esceconf.net/page/1114
3.3.23. 2nd Annual Global Summit on Renewable and Sustainable Energy (AGSREN2026)**,** 18-20 mai 2026**,** Paris, Franta
https://vividglobalsummits.com/2026/renewableenergy#commitee
3.3.24. Global Forum on Infrastructure and Construction (GFINFRA2026), 12-14 august 2026, Sydney, Australia
https://www.reoozveltforum.org/gfinfra-2026/conference/committee/

3.3.25. Global Summit on Civil, Structural and Environmental Engineering (GSCSEE2026), 15-17 iunie 2026, Roma, Italia
https://strategicglobalsummits.com/civil-engineering/committee
3.3.26. Global Forum on Civil, Structural & Smart Infrastructure Eng., Bali, Indonesia, Oct. 12-13, 2026,
3.3.27. 2nd Global Conf. on Waste Management and Recycling (WMRCONF), Dec. 17-19, 2026, Berlin, Germany.
3.3.28. WASET, International Scientific Committee of Civil and Environmental Engineering
https://waset.org/committees/civil-and-environmental-engineering?page=2
3.3.29. Annual International Congress on CIVIL ENGINEERING, 13-14 februarie 2025, Oxford, Marea Britanie / Online https://civilrtc.com/scientific-committee-lead/

3.4. Membru in echipe de evaluare a cercetării științifice prin diseminarea rezultatelor în reviste de prestigiu (peer review):

Reviste ISI: Applied Sciences (IF: 2.838, MDPI – 12 articole)
Scientific Reports (IF: 3.8); Natural Hazards (IF: 3.3 – 3 articole); Sustainability (IF: 3.9, MDPI); Environmental Earth Science (IF: 2.8, MDPI); Buildings (IF: 3.1 – 4 articole, MDPI); Processes (IF: 3.5, MDPI – 3 articole); Journal of Marine Science and Engineering (IF: 2.7 – 4 articole, MDPI); Systems (IF:2.3 – 3 articole, MDPI); Materials (IF: 3.4, MDPI); Water (IF: 3.0, MDPI); Minerals (IF: 2.2, MDPI)
Reviste BDI: New Environmentally-Friendly Materials (NEFM); Bulletin of the Polytechnic Institute of Iași; Innovation Discovery

3.5. Sunt cadru didactic invitat în programe ERASMUS (prelegeri) :

3.5.1. Epoka University, Tirana, Albania 2021
3.5.2. University of Orleans, Franța, 2021 (nov-dec)
3.5.3. University of Cassino, Italia, 2021 (octombrie)
3.5.4. NOVA University, Lisabona, Portugalia, 2021 (octombrie)
3.5.5. Epoka University, Tirana, Albania 2022
3.5.6. Universitatea Fidelitas, San Jose, Costa Rica, 2023
3.5.7. Universitatea de Transport Todor Kableshkov din Sofia, Bulgaria, 2023
3.5.8. Universitatea Atma Jaya Yogyakarta din Yogyakarta, Indonezia, 2023
3.5.9. Universitatea Pelita Harapan din Jakarta, Indonezia, 2023
3.5.10. Universitatea Istanbul Aydin din Istanbul, 2023
3.5.11. Universitatea Istanbul Aydin din Istanbul, 2024
3.5.12. Georgian Technical University, Tbilisi, 2024
3.5.13. Universitatea Mohammed V, Rabat, 2024
3.5.14. Asian Institute of Technology, Bangkok, 2025
3.5.15. Universitatea din Pretoria, Pretoria, Africa de Sud, 2025
3.5.16. Universitatea de Stiinta si Tehnica Houari Boumediene, Alger, Algeria, 2025
3.5.17. Unversitatea din Lima, Peru, 2025
3.5.18. ENSIT, Tunis, Tunisia, 2025
3.5.19. Munster Technological University, Cork, Irlanda, 2025
3.5.20. Universitatea din Montevideo, Uruguay, 2025
3.5.21. Georgian Technical University, Tbilisi, Georgia, 2025
3.5.22. Universitatea Fidelitas, San Jose, Costa Rica, 2023
3.5.23. University of Montenegro, Podgorica, 2026

3.6. Sunt cadru didactic invitat pentru activităţi de cercetare în universităţi/firme de prestigiu

3.6.1. Universitatea din Cassino (oct 2021)
3.6.2. Universitatea din Orleans (nov-dec 2021)
3.6.3. Universitarea NOVA din Lisabona, Portugalia (oct. 2021)
3.6.4. Universitatea din Lima, Peru (2025)
3.6.5. Universitatea Tehnologica Munster, Irlanda (2025)

3.7. Sunt cadru didactic care gestioneaza acorduri bilaterale ERASMUS+ (KA131)

3.7.1. "Todor Kableshkov" University of Transport Sofia, Bulgaria – 2023/2027
3.7.2. University of Cyprus, Nicosia, Cipru – 2022/2027
3.7.3. Universita degli Studi della Basilicata, Potenza, Italia 2022/2027
3.7.4. Universita degli Studi di Brescia, Brescia, Italia – 2022/2027
3.7.5. Universita degli Studi di Cassino, Cassino, Italia – 2022/2027
3.7.6. Universita degli Studi di Molise, Termoli, Italia – 2022/2027
3.7.7. Universidade da Beira Interior, Covilhã, Portugalia – 2022/2027
3.7.8. Izmir Yuksek Teknoloji Enstitusu, Izmir, Turcia – 2022/2027
3.7.9. Istanbul „Aydin" Universitesi, Istanbul, Turcia – 2022/2027
3.7.10. University of Maribor, Slovenia – 2026-2027
3.7.11. University Warmia & Mazury, Olsztyn, Polonia – 2022/2027

Activitatea mea dedicată studenților și implicarea activă în comunitatea academică se definesc prin promovarea excelenței, a eticii și a internaționalizării ca piloni centrali ai dezvoltării universitare.
Pe plan didactic, generez un impact direct asupra performanței studenților prin mentorat academic de înalt nivel, coordonarea proiectelor de cercetare studențești și facilitarea acestora la oportunități globale de formare.
În egală măsură, în cadrul comunității academice mă implic activ în procesele de modernizarea instituțională, în comisiile de evaluare și în dezvoltarea de parteneriate strategice transfrontaliere, contribuind direct la consolidarea prestigiului, a calității și a vizibilității internaționale a universității.

În cele din urmă, aș dori să evidențiez că, deși metodologia actuală prevede acordarea de punctaj pentru proiectele depuse și nefinanțate, am ales în mod asumat să nu îmi cuantific cele două proiecte majore de cercetare și dezvoltare instituțională depuse în competiții internaționale (1. Horizon-CL5-2023-D4-01, Efficient, Sustainable and Inclusive Energy Use, INSOL4ZEB și 2. MSCA-RISE Intelligent Systems for Sustainable Rehabilitation of the Built Environment Critically Affected by Hazards – REBECAH), ambele cu valori foarte foarte mari - milioane de euro. Din considerente de etică profesională, consider important ca performanța să fie măsurată exclusiv prin rezultate concrete. Refuz transformarea unui demers nefinalizat prin finanțare într-un indicator de merit.

Luând în considerare autoevaluarea prezentată mai sus, consider că sunt îndeplinite toate criteriile de evaluare pentru participarea la concursul pentru gradația de merit a Catedrei de Căi de Comunicaţii şi Fundaţii din cadrul Facultăţii de Construcţii şi Instalaţii din Universitatea Tehnică „Gheorghe Asachi" din Iaşi.

14.10.2026 **Prof.univ.dr.habil.ing. ROTARU Ancuţa**

UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI” DIN IAŞI

FACULTATEA DE CONSTRUCTII SI INSTALATII

DEPARTAMENTUL DE CAI DE COMUNICATII SI FUNDATII

FIŞA DE AUTOEVALUARE Şi DE EVALUARE DE CĂTRE DIRECTORUL DE DEPARTAMENT

(pentru activitatea în departamentul de încadrare conform contractului de muncă)

Numele şi prenumele cadrului didactic evaluat	**ROTARU ANCUȚA**
Funcţia didactică	**Profesor universitar**

Criteriul de evaluare	Indicatori de performanţă (cu explicitarea modului de calcul a punctajului pentru fiecare realizare, conf. Anexa 1)	Punctaj
1. Activitate didactică* (minimum: • 30 puncte prof.; • 15 puncte conf.; • 10 puncte ș.l.; • 5 puncte as.)	**1.1. Predare discipline/ cursuri noi în planul de învăţământ, pe direcţii neelaborate anterior**	-
	1.2. Elaborare manuale universitare tipărite 1.2.1. **Ancuţa Rotaru**, *External Risks Behind Building Decay*, Editura Societăţii Academice “Matei-Teiu Botez” Iaşi, ISBN 978-606-582-144-6, 3 X 110 pg / 100 X 1,2= 3,96	3,96
	1.3. Elaborare suporturi de cursuri, seminarii, laboratoare, proiecte în format electronic **Realizări:** 1.3.1. Note de curs Engineering Geology (limba engleză) 10 x 174 pg / 100 x 1,2=20,88 ResearchGate 2022 https://www.researchgate.net/publication/365319917_INTRODUCTION_IN_GEOLOGY https://www.researchgate.net/publication/365319693_2_Planetary_Geology https://www.researchgate.net/publication/365320579_THE_EARTH https://www.researchgate.net/publication/365319913_Volcanoes https://www.researchgate.net/publication/365320017_Earthquakes https://www.researchgate.net/publication/365319951_Minerals https://www.researchgate.net/publication/365320023_About_Rocks https://www.researchgate.net/publication/365320135_Plate_Tectonics 1.3.2. **Ancuţa Rotaru,** Laboratory Test – Properties of Soils (limba engleză) pentru studenții an III ICE – on web (ResearchGate), 138 pg, 2022. 3 x 138 pg /100 x 1,2 = 4,97 https://www.researchgate.net/publication/365319848_Laboratory_test_Properties_of_soils	20,88 4,97
	1.4. Elaborare manuale şi alte materiale pentru învăţământul preuniversitar	-
	1.5. Modernizare tehnologie didactică din alte surse decât din cele publice (donații, sponsorizări etc.) **Realizări:** 1.5.a. Dotare cu aparatură, echipamente, **materiale,** material curricular auxiliar, în scop didactic 1.5.1.a. Materiale pentru BIP Sustainable Materials and Techniques in Heritage Building Projects la care am fost manager și coordonator, 18-22 mai 2026 15 x 3685 lei / 10000 lei = 5,53 1.5.c. Elaborare lucrări noi de laborator/ etape proiect/ lucrări seminar (inclusiv aplicaţii e-learning) 1.5.1.c. Concepere lucrare nouă de laborator în cadrul proiectului european 2018-1-RO01-KA203-049214 *Rehabilitation of the Built Environment in the Context of Smart City and Sustainable Development Concepts for Knowledge Transfer and Lifelong Learning (RE-BUILT)*, ERASMUS+ programme KA2 – HIGHER EDUCATION STRATEGIC PARTNERSHIPS, topic *Hazard Risk Mitigation for a Sustainable Built Environment – case studies in Romania* (publicată pe platforma Moodle a proiectului http://www.rebuilt.ce.tuiasi.ro/moodle/course/index.php?categoryid=9 pentru studenții participanți din opt țări membre ale UE, 2021). Rezultat: Au avut loc prezentări cu ocazia programelor de predare cu studenți de la Universitatea Tehnologică Brno (oct 2021), de la Universitatea NOVA Lisabona (oct.2021) ;i de la Universitatea din Maribor (nov.2021). 7 * 5/1 pct = 35,00	5,53 35,00
Total punctaj Criteriu 1		**70,34**
	2.1. Elaborare cărţi/ monografii/ tratate în calitate de autor/editor **Realizări:**	307,50

2.Cercetarea ştiinţifică (minimum: • 150 puncte prof.; • 100 puncte conf.; • 60 puncte ș.l.; • 30 puncte asist.)	2.1.1. **Ancuţa Rotaru**, Editor, Critical Thinking on Rehabilitation of the Built Environment (CRIT-RE-BUILT), Springer Series in Geomechanics and Geoengineering, Springer Nature Switzerland Publishing House, 615 p, ISBN 978-3-030-61117-0, 2022. https://www.springer.com/gp/book/9783030611170 50 x 615/ 100 = 307,50	
	2.1.2. Dashnor Hoxha, **Ancuța Rotaru**, Wei Wu, (Eds.), Studies on Sustainable Rehabilitation of the Built Environment, – A special issue of Sustainability (ISSN 2071-1050), section "Sustainable Engineering and Science", MDPI Academic Open Access Publishing, Impact Factor 3.889, 236 p, 2022 https://www.mdpi.com/journal/sustainability/special_issues/sustainable_rehabilitation_built_environment 50 x 236/ 100/ 3 = 39,33	39,33
	2.1.3. **Ancuţa Rotaru**, Editor, Knowledge Transfer on Rehabilitation of the Built Environment (KNOW-RE-BUILT), Springer Series in Geomechanics and Geoengineering, Springer Nature Switzerland Publishing House, 560 p, ISBN 978-3-031-43454-9, 2024, eBook ISBN 978-3-031-43455-6. https://link.springer.com/book/10.1007/978-3-031-43455-6 50 x 560/ 100 = 280,00	280,00
	2.2. Articole publicate în reviste de specialitate **Realizări:** **a_1) Reviste cotate WoS, Q1 - Q2** 2.2.1. Vasile-Mircea Venghiac, Cerasela-Panseluța Neagu, George Țăranu, **Ancuța Rotaru**, 2023, Time History Analyses of a Masonry Structure for a Sustainable Technical Assessment According to Romanian Design Codes, **15**, no. 4:2932. https://doi.org/10.3390/su15042932 (50 + 40 x 3,889)/4)	51,39
	2.2.2. **Ancuța Rortau**, Bejan Florin, Dalia Almohamad, 2022, Sustainable Slope Stability Analysis: A Critical Study on Methods, Sustainability, **14**, no. 14: 8847. https://doi.org/10.3390/su14148847 (50 + 40 x 3,889)/3)	68,52
	2.2.3. Dashnor Hoxha, Brahim Ismail, **Ancuța Rotaru**, David Izabel, Thibaut Renaux. 2022, Assessment of the Usability of Some Bio-Based Insulation Materials in Double-Skin Steel Envelopes, Sustainability, 14, no. 17: 10797. https://doi.org/10.3390/su141710797 (50 + 40 x 3,889)/5)	41,11
	2.2.4. Sergiu-Mihai Alexa-Stratulat, Daniel Covatariu, Ana-Maria Toma, **Ancuța Rotaru**, Gabriela Covatariu, Ionuț-Ovidiu Toma, 2022, Influence of a Novel Carbon-Based Nano-Material on the Thermal Conductivity of Mortar, Sustainability, 14, no. 13: 8189. https://doi.org/10.3390/su14138189 (50 + 40 x 3,889)/6)	34,26
	2.2.5. George Taranu, Vasile-Mircea Venghiac, Ioana Olteanu-Dontov, **Ancuța Rotaru**, Ionut-Ovidiu Toma, 2022, Sustainable Design for CFS Structures: Experimental Data and Numerical Models of Hinged Connections, Sustainability, 14, no. 13: 7813. https://doi.org/10.3390/su14137813 (50 + 40 x 3,889)/5)	41,11
	a_2) Reviste cotate WoS, Q3 – Q4 2.2.6. Răducu-Mihai Geantău, **Ancuța Rotaru**, Traian-Dănuț Babor, Maria Tunkiewicz, Joanna Misiewicz, Piotr Kosiński, 2026, Wettability and Hygric Transport Response of Solvent-free Si–PDMS Treated Foundation Bricks, Romanian Journal of Materials, 56(1): 59 – 65. https://www.revista-romana-de-materiale.upb.ro/administrare/content/doc/2026/1/07/server/files/articol.pdf (30 + 40 x 0,700)/6)	9,67
	2.2.7. Răducu-Mihai Geantău, **Ancuța Rotaru**, Traian-Dănuț Babor, Maria Tunkiewicz, Joanna Misiewicz, Piotr Kosiński, 2026, Refinement of the Pore Structure in SI–PDMS Treated Foundation Bricks, Romanian Journal of Materials, 56(1): 53 – 58. https://www.revista-romana-de-materiale.upb.ro/administrare/content/doc/2026/1/06/server/files/articol.pdf (30 + 40 x 0,700)/6)	9,67 9,19

	Hajar Kaddouri, Toufik Cherradi, Ibtissam Kourdou, **Ancuța Rotaru**, Nicolae Țăranu, Marinela Bărbuță, 2021, Tensile behaviour of glass fibres reinforced cementitious matrix for masonry strengthening, Romanian Journal of Materials, 51(4): 520 – 527. https://solacolu.chim.upb.ro/pg520-527.pdf (30 + 40 x 0,628)/6)	14,07
	2.2.8.Yasmina Ed-Dariy, Nouzha Lamdouar, Toufik Cherradi, **Ancuța Rotaru**, Marinela Barbuță, Petru Mihai, 2021, The Influence of the Curing Conditions on the Behavior of Jute Fibers Reinforced Concrete Cylinders, Periodica Polytechnica Civil Engineering, 65(4): 1162–1173. https://pp.bme.hu/ci/article/view/18331/9137 (30 + 40 x 1,361)/6)	9,19
	2.2.9. Sanaa El Malyh, Azzeddine Bouyahyaoui, Toufik Cherradi, **Ancuța Rotaru**, 2021, Experimental investigation on bond strength of CFRP applied to masonry prism, Romanian Journal of Materials, 51(3): 456-463. https://solacolu.chim.upb.ro/pg456-463.pdf (30 + 40 x 0,628)/6)	
	b) Reviste incluse in BDI (INSPEC, ZMATH, SCOPUS etc) 2.2.1. **Ancuța Rotaru**, Florin Bejan, 2024, Modelling of Critical Slip Surface Geometry for Sustainable Slope Stability Analysis. In: Rotaru, A. (eds) Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment. KNOW-RE-BUILT 2021. Springer Series in Geomechanics and Geoengineering. Springer, Cham. https://link.springer.com/chapter/10.1007/978-3-031-43455-6_1 (30 / 2 autori = 15,00 puncte)	15,00
	2.2.2. George Țăranu, Vasile Mircea Venghiac, **Ancuța Rotaru**, Ioana Olteanu, Ionuț Ovidiu Toma, 2024, Experimental Tests of T-Joints Made of Thin-Walled Cold-Formed Steel Profiles Assembled with Steel Rivets. In: Rotaru, A. (eds) Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment. KNOW-RE-BUILT 2021. Springer Series in Geomechanics and Geoengineering. Springer, Cham. https://link.springer.com/chapter/10.1007/978-3-031-43455-6_20 (30 / 5 autori = 6,00 puncte)	6,00
	2.2.3. Sergiu Mihai Alexa-Stratulat, Daniel Covatariu, Ana Maria Toma, **Ancuța Rotaru**, Gabriela Covatariu, Ionuț Ovidiu Toma, 2024, Assessment of Thermal Conductivity of Mortar with a Novel Carbon Based Nano-material. In: Rotaru, A. (eds) Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment. KNOW-RE-BUILT 2021. Springer Series in Geomechanics and Geoengineering. Springer, Cham https://link.springer.com/chapter/10.1007/978-3-031-43455-6_22 (30 / 6 autori = 5,00 puncte)	5,00
	2.2.4. Răducu-Mihai Geantău, **Ancuța Rotaru**, Traian-Dănuț Babor, 2024, Research into Heritage Building Degradation Due to Water Infiltration and the Methods Used to Stop Them Using Electro-drainage Systems, Conference Proceedings of the Academy of Romanian Scientists, PRODUCTICA, Scientific Session, **16**(1), Academia Oamenilor de Știință din România, ISSN 2067-9564 (30 / 3 autori = 10,00 puncte) https://www.fiir.upb.ro/Upload/News/Program_PRODUCTICA_2024_final.pdf	10,00
	2.2.5. Yasmina Ed-Dariy, Nouzha Lamdouar, Toufik Cherradi, **Ancuța Rotaru**, Marinela Barbuta, Petru Mihai, Loredana Judele, 2020, Effect of surface treatment on the behavior of square concrete members confined by JFRP composites, 2nd International Conference on Advanced Technologies for Humanity (ICATH'2020), November 20-21, 2020, Rabat. Morocco. https://www.scitepress.org/PublicationsDetail.aspx?ID=YGdBY3gaip0=&t=1 (30 / 7 autori = 4,29 puncte)	4,29
	2.2.6. Yasmina Ed-Dariy, Nouzha Lamdouar, Toufik Cherradi, **Ancuța Rotaru**, Marinela Barbuta, Petru Mihai, Loredana Judele, 2020, The Behavior of Concrete Cylinders Confined by JFRP Composites: Effect of KOH Solution, 5th World Congress on Civil, Structural, and Environmental Engineering (CSEE'20) virtually, October 18 – 20, 2020 https://avestia.com/CSEE2020_Proceedings/files/CSEE20%20Proceedings.pdf (30 / 7 autori = 4,29 puncte)	4,29
	2.2.7. Yasmina Ed-Dariy, Nouzha Lamdouar, Toufik Cherradi, **Ancuța Rotaru**, Marinela Bărbuță, Petru Mihai, Loredana Judele, 2020, Experimental Investigation of the Effects of Naoh and KOH Solution on the Behavior of Concrete Square Columns Reinforced By JFRP Composites, 5th World Congress on Civil, Structural, and Environmental Engineering (CSEE'20) virtually, October 18 – 20 2020. https://avestia.com/CSEE2020_Proceedings/files/CSEE20%20Proceedings.pdf (30 / 7 autori = 4,29 puncte)	4,29

	2.2.8. **Ancuța Rotaru,** Radu-Aurel Pescaru, Ioana Olteanu-Donţov, Alina-Mihaela Nicuţă, Petru Mihai, Vasilică Ciocan, Marius-Costel Balan, 2021, Hazard Risk Mitigation for a Sustainable Built Environment. In: Rotaru A. (ed) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019, pp.3-34. Springer Series in Geomechanics and Geoengineering. https://link.springer.com/chapter/10.1007/978-3-030-61118-7_1 (30 / 7 autori = 4,29 puncte)	4,29
	2.2.9. **Ancuța Rotaru**, Gupinath Bhandari, 2021, The Impact of Environmental Degradation: Atmospheric and Geological Issues in Built Areas. In: Rotaru A. (ed) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019, pp.35-46. Springer Series in Geomechanics and Geoengineering. https://link.springer.com/chapter/10.1007/978-3-030-61118-7_2 (30 / 2 autori = 15,00 puncte)	15,00
	2.2.10. **Ancuța Rotaru**, Dana-Mădălina Pohrib, 2021, Stabilization of Roads Located on Banks of Mountain Flowing Waters. In: Rotaru A. (ed) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019, pp.130-141. Springer Series in Geomechanics and Geoengineering. https://link.springer.com/chapter/10.1007/978-3-030-61118-7_11 (30 / 2 autori = 15,00 puncte)	15,00
	2.2.11. Marinela Bărbuță, **Ancuța Rotaru**, Traian-Dănuț Babor, 2021, Mechanical Characteristics of Polymer Concrete with Different Waste Replacements. In: Rotaru A. (ed) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019, pp. 200-206. Springer Series in Geomechanics and Geoengineering. https://link.springer.com/chapter/10.1007/978-3-030-61118-7_17 (30 / 3 autori = 10,00 puncte)	10,00
	2.2.12. Luis Jose Andrade Pais, Paulo Eduardo Maia de Carvalho, Luis Manuel Ferreira Gomes, **Ancuța Rotaru**, 2021, Mechanical Bevahiour of an Unsaturated Soil Associated with Seepage. In: Rotaru A. (eds) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019, pp.229-240. Springer Series in Geomechanics and Geoengineering. https://link.springer.com/chapter/10.1007/978-3-030-61118-7_20 (30 / 4 autori = 7,50 puncte)	7,50
	2.2.13. Sanaa Elmalyh, Azzeddine Bouyahyaoui, Toufik Cherradi, **Ancuța Rotaru**, Petru Mihai, 2021, Shear Strength of Unreinforced Masonry Walls Retrofitted with CFRP, *Advances in Science, Technology and Engineering Systems Journal (ASTESJ),* 5(2), 351-359, ISSN: 2415-6698. https://astesj.com/v05/i02/ (30 / 5 autori = 6,00 puncte)	6,00
	2.2.14. Sanaa Elmalyh, Azzeddine Bouyahyaoui, Toufik Cherradi, **Ancuța Rotaru**, Petru Mihai, 2021, In-Plane Shear Behavior of Unreinforced Masonry Walls Strengthened with Fiber Reinforced Polymer Composites, *Advances in Science, Technology and Engineering Systems Journal (ASTESJ)*, J. 5(2), 351-359. https://astesj.com/v05/i02/ (30 / 5 autori = 6,00 puncte)	6,00
	c) Reviste neincluse în BD	
	2.3. Conferinţe invitate/ lucrări de sinteză prezentate la manifestări organizate sub egide ştiinţifice recunoscute, lucrări comunicate **a) Conferinţe invitate / lucrări de sinteză** **b) Lucrari comunicate**	-
	2.4. Lucrări publicate în volumele conferinţelor **Realizări:** **Volume indexate in BDI** 2.4.1.a. Pavel Ionițoaiei, **Ancuța Rotaru**, 2023, Studies on Heavy Duty Pavements Reinforced with Steel Fibers for Port Infrastructures, IOP Conference Series: Materials Science and Engineering, Volume 1283, 17th International Scientific Conference - Civil Engineering and Building Services 03/11/2022 - 04/11/2022 Braşov, Romania https://doi.org/10.1088/1757-899X/1283/1/012006 **Volume neindexate in BDI**	15,00

	2.4.1.b. Pavel Ionițoaiei, **Ancuța Rotaru**, 2023, Optimization of Port Infrastructure Works Based on Methods of Reducing Ground Settlements, European Geotechnical Engineering – Unity and Diversity: Proceedings of the 17th Danube – European Conference on Geotechnical Engineering, Irina Lungu, Iancu-Bogdan Teodoru, Loretta Batali (eds), Politehnium Publishing House, ISBN: 978-973-621-522-3. 2.4.2.b. Răducu-Mihai Geantău, **Ancuța Rotaru**, Traian-Dănuț-Babor, 2023, Seepage Reduction in the Limestone Foundations of Historic Buildings Using Calcium Oxalate, European Geotechnical Engineering – Unity and Diversity: Proceedings of the 17th Danube – European Conference on Geotechnical Engineering, Irina Lungu, Iancu-Bogdan Teodoru, Loretta Batali (eds), Politehnium Publishing House, ISBN: 978-973-621-522-3.	10,00 6,67
	2.5. Brevete acordate, produse omologate	-
	2.6. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câştigate prin competiţie 20181-RO01-KA203-049214 Rehabilitation of the Built Environment in the Conbtext of Smart City and Sustainable Development Concepts for Knowledge Transfer and Lifelong Learning (RE-BUILT) ERASMUS+ KA2 – Higher Education Strategic Partnerships – oct 2021 pana la sfarsitul anului 2 x 388.456 Euro x 5 (lei) x 3 luni / 40 luni / 10000 lei	291,34
	2.7. 2.7. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare depuse în competiţii naționale/internaționale și nu au fost finanțate	
	2.7. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare încheiate cu institute de cercetare, companii, regii, societăţi comerciale	-
	2.8. Proiecte / Contracte / Granturi de cercetare-dezvoltare instituțională încheiate cu institute de cercetare, companii; Proiecte cu rol didactic (ROSE, PEO, ERASMUS-EDU, etc) ce au ca rol îmbunătățirea performanțelor studenților Erasmus+KA171 alocarea din 2022: 15 x 48.145 Euro (valoarea repartizata spre coordonare) x 5 (in lei) / 10000 lei = 361 Erasmus+KA171 alocarea din 2023: 15 x 69.841 x 5 (in lei) / 10000 lei = 523 Erasmus+KA171 alocarea din 2024: 15 x 98.651 x 5 (in lei) / 10000 lei = 740 Erasmus+KA171 alocarea din 2025: 15 x 97.713 x 5 (in lei) / 10000 lei = 732 BIP - Sustainable materials and techniques in heritage building projects Erasmus+ blended intensive programme for staff – coordonator și manager 18-22 mai 2026, TUIASI 15 x 6.400 euro x 5 (in lei) / 10000 = 48	2.356 48
	2.9. Cereri de brevete	
	2.10. Citări în reviste cotate ISI sau indexate în baze de date internaţionale (BDI) **Realizări:** 2.9.1. **Reviste ISI** Vezi tabelul anexat **5 x 79 puncte + (5 x 35) pt 2026** 2.9.2. **Reviste BD** Vezi tabelul anexat **3 x 24 puncte + (3 x 8) pt 2026** 2.9.3. **Volume ale conferințelor ISI** Vezi tabelul anexat **5 x 3 puncte** 2.9.4. **Volume ale conferințelor BDI** Vezi tabelul anexat **3 x 12 puncte** **2.9.4. Număr citări Google Scholar** **2 x 65 puncte**	570,00 96,00 6,00 12,00 130,00
	2.10. Finalizare teză de doctorat (teza de abilitare?) **Realizări:**	-
	2.11. Elaborare standarde **Realizări:**	-
Total punctaj Criteriu 2		**4.568,68**
3. Recunoaşterea naţională şi internaţională (minimum: • 15 puncte prof.; • 10 puncte conf.; • 5 puncte ș. l.)	**3.1**. Profesor invitat pentru prelegeri la universitati de prestigiu **Realizări:** 3.1.1. Epoka University, Tirana, Albania 2021 3.1.2. University of Orleans, Franța, 2021 (nov-dec) 3.1.3. University of Cassino, Italia, 2021 (octombrie) 3.1.4. NOVA University, Lisabona, Portugalia, 2021 (octombrie) 3.1.5. Epoka University, Tirana, Albania 2022 3.1.6. Universitatea Fidelitas, San Jose, Costa Rica, 2023 3.1.7. Universitatea de Transport Todor Kableshkov din Sofia, Bulgaria, 2023 3.1.8. Universitatea Atma Jaya Yogyakarta din Yogyakarta, Indonezia, 2023 3.1.9. Universitatea Pelita Harapan din Jakarta, Indonezia, 2023 3.1.10. Universitatea Istanbul Aydin din Istanbul, 2023 3.1.11. Universitatea Istanbul Aydin din Istanbul, 2024 3.1.12. Georgian Technical University, Tbilisi, 2024 3.1.13. Universitatea Mohammed V, Rabat, 2024 3.1.14. Asian Institute of Technology, Bangkok, 2025 3.1.15. Universitatea din Pretoria, Pretoria, Africa de Sud, 2025 3.1.16. Universitatea de Stiinta si Tehnica Houari Boumediene, Alger, Algeria, 2025 3.1.17. Unversitatea din Lima, Peru, 2025 3.1.18. ENSIT, Tunis, Tunisia, 2025 3.1.19. Munster Technological University, Cork, Irlanda, 2025 3.1.20. Universitatea din Montevideo, Uruguay, 2025 3.1.21. Georgian Technical University, Tbilisi, Georgia, 2025	260,00

	3.1.22. Universitatea Fidelitas, San Jose, Costa Rica, 2023 3.1.23. University of Montenegro, Podgorica, 2026 3.1.24. University of Sarajevo, 2026 3.1.25. Epoka University, Tirana, Albania, 2026 3.1.26. Universitatea Mohammed V, Rabat, 2026	
	3.2. Membru în academii (Academia Română, Academia de Ştiinţe Tehnice, Academia de Ştiinţe Agricole şi Silvice, Academia Oamenilor de Ştiinţă etc.)	-
	3.3. Doctor Honoris Causa	-
	3.4. Membru în societăţi ştiinţifice şi profesionale, comisii și comitete de specialitate organizate la nivelul Guvernului **Realizări:** 3.4.1. Societatea Română de Geotehnică și Fundații 3.4.2. International Society of Soil Mechanics and Geotechnical Engineering 3.4.3. Athens Institute for Education and Research https://www.atiner.gr/civil-unit 3.4.4. World Academy of Science, Engineering and Technology https://waset.org/Committees/civil-and-environmental-engineering?page=3 3.4.5. Institute for Educational Research and Publication – 21 iulie 2024 3.4.6. International Association of Engineers (IAENG) – 31 iulie 2024, Official letter of membership	5,00 10,00 10,00 10,00 10,00 10,00
	3.5. Membru în comisii de doctorat b. Membru în comisia de coordonare: **Realizări:** 2 drd x 4 rapoarte (La Chimia materialelor de constructii), coord. Prof. Maria Harja 3 drd x 4 rapoarte (coordonator subsemnata) 2 drd x 3 rapoarte (coordonator subsemnata) 1 drd x 2 rapoarte (coordonator subsemnata) 2 drd x 1 raport (coordonator subsemnata) membru comisie colocviu doctorat (2022, 2023, 2024) membru comisie contestații colocviu doctorat (2025, 2026) a. Referent științific 1. Membru în comisia de îndrumare pentru susținerea Tezei de doctorat cu titlul “Development of Rational Method for Design of Soil Nailing System in Deep Excavations” autor Ms. Marreddy Nagalakshmi**,** 2024, Andhra University, mai 2024, Andhra, India	35,00 10,00
	3.6. Membru în colective de redacţie ale revistelor **Realizări:** 3.6.1. **Reviste ale societății științifice internaționale cotate ISI** 3.6.1.1. Topical Advisory Panel Member of „Materials” journal (MDPI, IF: 3,1 în 2024, ISSN: 1996-1944) https://www.mdpi.com/journal/materials/topical_advisory_panel?search=Rotaru+Ancuta 3.6.1.2. Editorial Board Member – Civil Engineering section, Scientific Reports journal (Springer Nature, IF: 3,8 in ianuarie 2025) https://www.nature.com/srep/about/editors#civil-engineering 3.6.2. **Reviste ale societății științifice internaționale cotate BDI** 3.6.2.1. International Research Journal for Science Engineering and Technology (IRJSET) http://irjset.com/home/index.php?option=com_k2&view=item&layout=item&id=36&Itemid=141 3.6.2.2. World Academy of Science, Engineering and Technology - Civil and Environmental Engineering (Attestation Letter – March 9th, 2017) https://waset.org/Committees/civil-and-environmental-engineering?page=3 3.6.2.3. International Journal of Civil Engineering and Futuristic Technology http://www.adpublication.org/Journal.aspx?JID=14 3.6.2.4. Athens Institute for Education & Research (ATINER) https://www.atiner.gr/division-members/eard-mem 3.6.2.5. Prevention and Treatment of Natural Disasters – collection editor https://ojs.ukscip.com/journals/ptnd/topical_smbe 3.6.2.6. American Journal of Civil Engineering (AJCE) – Certificat “Editorial Board Member” https://www.sciencepublishinggroup.com/journal/229/editorial-board 3.6.2.7. International Journal of Scientific and Research Publications (IJSRP) https://www.ijsrp.org/ijsrp-editorial-board.php?page=16 3.6.2.8. Current Trends in Civil & Structural Engineering (CTCSE) https://irispublishers.com/ctcse/editorialboard.php 3.6.2.9. International Journal of Civil Engineering and Structural Dynamics (IJCESD) https://www.svedbergopen.com/ijcesd/editorial-board	20,00 20,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00

	3.7. Membru în comitete științifice naționale/ internaţionale/ de program (la congrese, conferinţe etc.) **Realizări:** 3.7.1. 3rd World Conf. on Architecture and Civil Eng., Prague, Czech Rep., Sept. 18-20, 2025, 3.7.2. Global Summit on Env. Sci. and Eng., Rome, Italy, June 16-18, 2025, 3.7.3. 3rd Word Conf. on Securities Studies, Warshaw, Poland, May 29-31, 2026, 3.7.4. 9th Int'l Conf. on Env. Sci. & Civil Eng. (2026 ICESCE), Nanchang, China, Sept. 26-27, 2026, 3.7.5. 3rd World Conference on Recycling and Waste Management (WCRWM), 22-23 aprilie, 2024, Berlin, Germania https://eurasiaconferences.com/events/berlin/2024/recycling-and-waste-management/committee 3.7.6. World Conference on Security Studies (WORLDSECURITYCONF), 10-12 octombrie 2024, Milano, Italia https://www.worldsecurityconf.org/scientific-committee/ 3.7.7. 2nd Global Conference on Waste Management and Recycling (WMRCONF), 24-26 octombrie 2024, Nice, France https://www.wmrconf.org/scientific-committee/ 3.7.8. 2nd World Conference on Architecture and Civil Engineering, 27-29 noiembrie 2024, Viena, Austria https://www.arceconf.org/scientific-committee/ 3.7.9. 3rd International Summit on Civil, Structural, and Environmental Engineering (ISCSEE2025), 21-23 iulie 2025, Frankfurt, Germania https://civilsummit.com/committee 3.7.10. World Forum & Expo on Environmental Sciences and Applications (ENVIFORUM2025), 21-23 iulie 2025, Munchen, Germania https://environforum.org/committee 3.7.11. 2nd International Conference on Renewable and Sustainable Energy (ISTDRSE 2025), 21-22 august 2025 in Dubai, UAE https://inovscitechconferences.com/25/dubai/renewable-energy/#committee 3.7.12. 2nd International Summit on Infrastructure and Construction Engineering (ISICE2025), 8-10 septembrie 2025, Dubai, UAE https://infrastructure.spectrumconferences.com/committee 3.7.13. A XV-a Conferința Națională de Geotehnică și Fundații CNGF 2025, Timișoara, 18-20 septembrie 2025 https://www.ct.upt.ro/cngf2025/ 3.7.14. The 3rd International Conference on Advanced Civil Engineering and Smart Structures (ACESS 2024) - 22-24 noiembrie 2024, Bangkok, Thailanda https://icacess.org/ACESS%202024/pages/committee.html Annual International Congress on CIVIL ENGINEERING, 13-14 februarie 2025, Oxford, Marea Britanie / Online https://civilrtc.com/scientific-committee-lead/ 3.7.15. International Conference on Infrastructure and Construction Engineering (ICICE-2026), 18-20 mai 2026, Madrid, Spania https://infrastructure.pagesconferences.org/ 3.7.16. Annual Global Summit on Earth Science and Climate Change (AGSCLIMATE2026), 19–21 mai 2026, Paris, Franța https://vividglobalsummits.com/2026/climate-change 3.7.17. Annual Global Summit on Environmental Science and Green Energy (AGSENGREEN2026), 25-27 martie 2026, Lisabona, Portugalia https://vividglobalsummits.com/2026/Green-energy 3.7.18. Global Summit on Civil, Structural, and Environmental Engineering (CIVIL2026), 28-30 mai 2026, Madrid, Spania http://bit.ly/3FUrrcq 3.7.19. International Conference on Collaborative Research in Education, Social Sciences, Humanities, Engineering, and Technology, 18-19 septembrie 2025, Rome, Italy https://www.iferp.in/i2cret/committee-members.php 3.7.20. The 4th International Conference on Advanced Civil Engineering and Smart Structures (ACESS 2025), 25-27 iulie 2025, Bali Island https://www.icacess.org/pages/committee.html 3.7.21. Renewable and Sustainable Energy (RTMRSE2026), 23-25 martie 2026, Dubai, UAE https://realteksciencemeetings.org/conference/renewable-sustainable-energy/committee 3.7.22. The 8th International Conference on Environmental Science and Civil Engineering (2025 ICESCE), 11-12 octombrie 2025, Nanchang, China https://www.esceconf.net/page/1114 3.7.23. 2nd Annual Global Summit on Renewable and Sustainable Energy (AGSREN2026), 18-20 mai 2026, Paris, Franta https://vividglobalsummits.com/2026/renewableenergy#commitee 3.7.24. Global Forum on Infrastructure and Construction (GFINFRA2026), 12-14 august 2026, Sydney, Australia https://www.reozveltforum.org/gfinfra-2026/conference/committee/ 3.7.25. Global Summit on Civil, Structural and Environmental Engineering (GSCSEE2026), 15-17 iunie 2026, Roma, Italia https://strategicglobalsummits.com/civil-engineering/committee 3.7.26. Global Forum on Civil, Structural & Smart Infrastructure Eng., Bali, Indonesia, Oct. 12-13, 2026, 3.7.27. 2nd Global Conf. on Waste Management and Recycling (WMRCONF), Dec. 17-19, 2026, Berlin, Germany. 3.7.28. WASET, International Scientific Committee of Civil and Environmental Engineering https://waset.org/committees/civil-and-environmental-engineering?page=2	10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 5,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 **=285**
	3.8. Membru în echipe de expertizare / evaluare a cercetării ştiinţifice (proiecte CNCS, PNCDI II, FP7, Phare; centre de cercetare etc.)	350

	Realizări: Membru in echipe de evaluare a cercetării științifice prin diseminarea rezultatelor în reviste de prestigiu (peer review): **Reviste ISI:** Applied Sciences (IF: 2.838, MDPI – 12 articole) Scientific Reports (IF: 3.8); Natural Hazards (IF: 3.3 – 3 articole); Sustainability (IF: 3.9, MDPI); Environmental Earth Science (IF: 2.8, MDPI); Buildings (IF: 3.1 – 4 articole, MDPI); Processes (IF: 3.5, MDPI – 3 articole); Journal of Marine Science and Engineering (IF: 2.7 – 4 articole, MDPI); Systems (IF:2.3 – 3 articole, MDPI); Materials (IF: 3.4, MDPI); Water (IF: 3.0, MDPI); Minerals (IF: 2.2, MDPI) **a.2) Reviste BDI:** New Environmentally-Friendly Materials (NEFM); Bulletin of the Polytechnic Institute of Iași; Innovation Discovery	10
	3.9. Membru în echipe de expertizare (evaluare) a procesului educaţional (ARACIS, EUA etc.) **Realizări:** 3.9.1. Membru comisie evaluare periodică – Universitatea Tehnică de Construcții București, programul de studii universitare de licență Inginerie Civilă în Limba Engleză (ICE), martie 2025 3.9.2. Membru comisie evaluare internă periodică program de studii universitare de licență – în fiecare an câte un program de atudii (ex: Tehnologii și sisteme de telecomunicații, Facultatea de Electronica, Telecomunicatii si Tehnologia Informatiei, ian. 2025)	20,00 100,00
	3.10. Membru în consilii naţionale de specialitate	-
	3.11. Organizator de manifestări ştiinţifice naţionale / internaţionale / sesiuni invitate 3.11.1. Global Summit on Environmental Science and Engineering, Roma, Italia 16-18 iunie 2025 https://environmentglobal.org/#Organizing_Committee 3.11.2. Global Summit on Infrastructure and Construction Engineering Conference, Roma, Italia 16-18 iunie 2025 https://infrastructureglobal.org/#Organizing_Committee	10,00 10,00
	3.12. Membru în comisii de concurs pentru posturi didactice universitare **Realizări**: 3.12.1. Membru comisie soluționare contestații, Universitatea Tehnică din Cluj-Napoca, Facultatea de Construcții, Departamentul de Mecanica Construcțiilor, post profesor universitar poz.2, an univ. 2024-2025. 3.12.2. Membru comisie soluționare contestații, Universitatea Tehnică din Constructii Bucuresti, Facultatea de Construcții, Departamentul de Mecanica Construcțiilor, post conferentiar universitar, an univ. 2024-2025. 3.12.3. Membru comisie soluționare contestații, Universitatea Tehnică Gheorghe Asachi din Iași, Facultatea de Construcții și Instalații, Departamentul de Căi de Comunicații și Fundații, șef lucrări universitar poz.15, an univ. 2024-2025.	5,00 5,00 3,00
	3.13. Membru în jurii și comisii la concursuri profesionale (studențești, concursuri profesionale altele decât cele universitare)	-
	3.14. Cercetător Cadru didactic invitat pentru activităţi de cercetare în universităţi/firme de prestigiu 3.14.1. Universitatea din Cassino (oct 2021) 3.14.2. Universitatea din Orleans (nov-dec 2021) 3.14.3. Universitarea NOVA din Lisabona, Portugalia (oct. 2021) 3.14.4. Universitatea din Lima, Peru (2025) 3.14.4. Universitatea Tehnologica Munster, Irlanda (2025)	50,00
	3.16. Cadru didactic invitat în programe ERASMUS (prelegeri) **Realizări:** 3.15.1. Epoka University, Tirana, Albania 2021 3.15.2. University of Orleans, Franța, 2021 (nov-dec) 3.15.3. University of Cassino, Italia, 2021 (octombrie) 3.15.4. NOVA University, Lisabona, Portugalia, 2021 (octombrie) 3.15.5. Epoka University, Tirana, Albania 2022 3.15.6. Universitatea Fidelitas, San Jose, Costa Rica, 2023 3.15.7. Universitatea de Transport Todor Kableshkov din Sofia, Bulgaria, 2023 3.15.8. Universitatea Atma Jaya Yogyakarta din Yogyakarta, Indonezia, 2023 3.15.9. Universitatea Pelita Harapan din Jakarta, Indonezia, 2023 3.15.10. Universitatea Istanbul Aydin din Istanbul, 2023 3.15.11. Universitatea Istanbul Aydin din Istanbul, 2024 3.15.12. Georgian Technical University, Tbilisi, 2024 3.15.13. Universitatea Mohammed V, Rabat, 2024 3.15.14. Asian Institute of Technology, Bangkok, 2025 3.15.15. Universitatea din Pretoria, Pretoria, Africa de Sud, 2025 3.15.16. Universitatea de Stiinta si Tehnica Houari Boumediene, Alger, Algeria, 2025 3.15.17. Unversitatea din Lima, Peru, 2025 3.15.18. ENSIT, Tunis, Tunisia, 2025 3.15.19. Munster Technological University, Cork, Irlanda, 2025 3.15.20. Universitatea din Montevideo, Uruguay, 2025 3.15.21. Georgian Technical University, Tbilisi, Georgia, 2025 3.15.22. Universitatea Fidelitas, San Jose, Costa Rica, 2023	130,00

	3.15.23. University of Montenegro, Podgorica, 2026 3.15.24. University of Sarajevo, 2026 3.15.25. Epoka University, Tirana, Albania, 2026 3.15.26. Universitatea Mohammed V, Rabat, 2026	
	3.16.Cadru didactic care gestioneaza acorduri bilaterale ERASMUS+ (KA131) **Realizări:** 3.16.1. "Todor Kableshkov" University of Transport Sofia, Bulgaria – 2023/2027 3.16.2. University of Cyprus, Nicosia, Cipru – 2022/2027 3.16.3. Universita degli Studi della Basilicata, Potenza, Italia 2022/2027 3.16.4. Universita degli Studi di Brescia, Brescia, Italia – 2022/2027 3.16.5. Universita degli Studi di Cassino, Cassino, Italia – 2022/2027 3.16.6. Universita degli Studi di Molise, Termoli, Italia – 2022/2027 3.16.7. Universidade da Beira Interior, Covilhã, Portugalia – 2022/2027 3.16.8. Izmir Yuksek Teknoloji Enstitusu, Izmir, Turcia – 2022/2027 3.16.9. Istanbul „Aydin" Universitesi, Istanbul, Turcia – 2022/2027 3.16.10. University of Maribor, Slovenia – 2026-2027 3.16.11. University Warmia & Mazury, Olsztyn, Polonia – 2022/2027	110,00
	3.17. Premii ştiinţifice 3.17.d. Alte premii **Realizări:** Premiul „Best Paper on Civil Engineering, Materials and Smart Buildings" pentru lucrarea *Effect of Surface Treatment on the Behavior of Square Concrete Members Confined by JFRP Composites*, 2nd International Conference on Advanced Technologies for Humanity (ICATH'2020), 20-21 nov. 2021, Rabat, Maroc.	20,00
Total punctaj Criteriu 3		**1598,00**
4. Activitatea cu studenţii*) (minimum: • 10 puncte prof.; • 7 puncte conf.; • 5 puncte ș.l.)	4.1. Conducere cercuri ştiinţifice studenţeşti	-
	4.2. Pregătire pentru concursuri profesionale (pentru fazele naţională şi internaţională)	-
	4.3. Pregătire pentru olimpiade (pentru fazele naţională şi internaţională)	-
	4.4. Conducere lucrări de absolvire[2)], licenţă (diplomă), disertaţie, doctorat **Un raport de doctorat este o lucrare sustinuta care inglobeaza multa munca de partea studentului si a coordonatorului. Nu poate fi lasata nepunctata.** Realizări: 4.4.1. Rapoarte de doctorat: **17** (cred ca merita cateva puncte!!!). Le consider ca indrumarea unei lucrari de licenta, 3p 4.3.2. Îndrumare și integritate academică: 15 x 2 doctoranzi	51,00
	4.5. Îndrumare studenți / masteranzi / doctoranzi Comisii de îndrumare doctoranzi – 7 studenti 4 ani, 2 studenți 2 ani, 1 student 1 an 5 x 33 = 165	165,00
	4.5. Organizarea de excursii de studii, prezentarea ofertei educaționale a universității în licee	-
	4.6. Activități cu studenți ERASMUS a. pregătirea si îndrumarea studenților outgoing 2 x 6 studenți	12,00
Total punctaj Criteriu 4		**228,00**
5.Activitatea în comunitatea academică (minimum: • 15 puncte prof.; • 10 puncte conf.); • 5 puncte ș.l.;	**5.1.** Participare la simpozioane, mese rotunde, dezbateri etc. **Realizări:** 5.1.1. Participare Finite-Element Analysis for Assessment of Thermal Effects in Concrete Structures Webinar, 20 martie 2024 https://www.civilfem.com/thermal-concrete-webinar/ 5.1.2. Clubul Profesorilor Seniori – Memento Prof.dr.ing. Paulică Răileanu – TUIASI aprilie 2024 5.1.3. Participare webinar Webex Clarivate: ScholarOne Manuscripts**,** ScholarOne for Conferences & Reviewer Services, 4 iunie 2024 https://www.e-nformation.ro/events/webex-clarivate-prezentare-scholarone-4-iunie-2024 5.1.4. Participare Webinar CivilFEM 2024 Powered by Marc Release, 17 iulie 2024 https://www.civilfem.com/webinar-civilfem2024-poweredbymarc-release/ 5.1.5. La Istanbul „Aydin" Universitesi, Istanbul, Turcia, iulie 2024 5.1.6. Education for Sustainable Development - TEACH4SD, Barcelona School of Design and Engineering, online, 9 septembrie 2024 https://youtu.be/9mj5oB4h6kw 5.1.7. Participare la Conferința Regională "Building our sustainable future - Soluții sustenabile pentru mediul construit" 2 octombrie 2024 5.1.8. Participare la „Romania National Roadshow - Collaborative FAIR Data Practices & Tools", 8 octombrie 2024, online, organizat de FAIR-IMPACT 5.1.9. INGENIUM COIL Networking Event, online, 9 octombrie 2024 5.1.10. La Georgian Technical University, Tbilisi, Prorectorat RI, Georgia, 22 octombrie 2024 5.1.11. Participare webinar online 'Second Generation of Eurocode 7 - Slopes, Reinforced Fill and Soil Nailed Structures', 25 octombrie 2024 – notificare participare 5.1.12. La prezentarea „Sensors and Digital Twins in Civil Engineering" făcută de Prof. Wynand Steyn, decanul Fac. de Construcții de la Universitatea din Pretoria, Africa de Sud, studenților de la Master IG + IMT cu ocazia vizitei la TUIASI, 23 octombrie 2024 5.1.13. Participare Webinar "Applying to Strand B: I+E for the enhancement of deep tech", 29 octombrie 2024, ID 865 6203 8668	5,00 1,00 5,00 5,00 5,00 5,00 5,00 5,00 1,00 1,00 5,00 5,00 5,00 5,00

	https://us02web.zoom.us/w/86562038668?tk=sCj5TFenPTbx4CUtSHgnfxBrthcQQOkQTMhT1B4uDAs.DQcAAAAUJ3_jjBZkeV9YRklLWFEzbVZmaWcwWWZ6YnZBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA&uuid=WN_mSh0QD21QxSrDfpiq3-xXA 5.1.14. La dialogul Prof. Wynand Steyn, decanul Fac. de Construcții, Universitatea din Pretoria, Africa de Sud cu Prof. Irina Lungu, prorector Relații Internaționale și Prof. Dorina-Nicolina Isopescu, directorul Școlii Doctorale de la CI, cu ocazia vizitei sale Erasmus+, 25 octombrie 2024 5.1.15. Participare online INGENIUM Staff Academy Webinar, 5 nov. 2024 https://xamkfi.zoom.us/w/66277202809?tk=kcWIIUq6ioaK7rqInKYARJKzoyBJrGjVsJ97kvimksY.DQcAAAAPbm3beRZkbkVFeXpTcVRjcWpKRmJXQnBNX3N3AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 5.1.16. Participare la virtual workshop: "NanoPurify: Transforming Wastewater with Nano-technology" 6-8 nov. 2024. 5.1.17. Participare online la “Studiile doctorale în TUIASI: De la experiență personală la vocația excelenței”, 12 noiembrie 2024 meet.google.com/tzx-sedi-eyb 5.1.18. La Universitatea Mohammed V, Școala Doctorală, Rabat, Maroc, 16 noiembrie 2024 5.1.19. Webinar UEFISCDI: Mecanisme de finanțare a cercetării bazate pe performanță pentru universitățile din România, 25 nov. 2024 Meeting ID: 853 4867 5447 https://us02web.zoom.us/j/85348675447?pwd=3aUeSrd1VKQUAnkpxcailahyrFS64x.1 5.1.20. First International Workshop Contribution of Computational Fluid Dynamics (CFD) to Sustainable and Smart Cities (CFD2SSC), Lille 2024, 2 decembrie 2024 – participare online 5.1.21. Webinar Second Generation of Eurocode 7 - Dynamic ground properties and seismic design (Eurocode 8), 11 decembrie 2024 – participare online – notificare participare 5.1.22. Webinar ESD TALK #4: BOOSTING GREEN SKILLS IN CONSTRUCTION, 11 decembrie 2024 - participare online, Passcode:026858 https://viadk.zoom.us/j/62489231636?pwd=LpXhNgkH9nhnJ6yHW2kMyFVyi513rc.1 5.1.23. Killaloe Bridge Webinar, 9 ianuarie 2025 - Webinar ID: 825 5948 3381, Passcode: 971948 https://us02web.zoom.us/w/82559483381?tk=Dz3JCgF2zAIXpYprs-yJqT7uBIZVpNCXYemHf5cqprw.DQcAAAATOO299RZoUWhDU1dXUFM1ZVlibGVfeElWRVZ3AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA&pwd=q1ti6sR81KC9wxKstekiW1vP6gXxMa.1&uuid=WN_g5QdrO0iSW6rSBrx8JW8NA 5.1.24. Participare la workshop virtual Transport decarbonisation in Wales: policy in practice and addressing evidence gaps, organizat de Institution of Civil Engineers Wales, Meeting ID: 371 480 108 40, Pasodsce, 15 ianuarie 2025: soUJkT 5.1.25. Dezbateri alături de an IV CCIA cu Soletanche Bachy - TUIASI 5.1.26. Participare curs Consilier orientare privind cariera, organizat de Avangarde București, 28.08-06.10.2023 (certificat absolvire) 5.1.27. Participare ședință cu Comisia de evaluare a proiectelor Construirea și dezvoltarea unei rețele-pilot de școli verzi, finanțare PNRR 5.1.28. Masa Rotundă cu tema *„Sustenabilitatea și Siguranța Rutieră în contextul creșterii mobilității”*, 08.12.2023, FCI 5.1.29. Participare la a 6a ediție a Conferinței Școlii Doctorale, 17-19 mai, 2023 5.1.30. Participare în Aula Magna la Zilele Universității – ședința de conferire premii seniori, 2023 5.1.31. Participare în Aula Magna lansare carte Gheorghe Asachi, nov. 2023 5.1.32. Participare eveniment Excelenţă în studiile doctorale, 15 noiembrie 2023, online 5.1.33. Participare vernisaj expoziție foto-documentară *„Valori și modele naționale în educația românească”,* proiectul *În lumina culturii - „Opera lui Anghel Saligny”*, Sala Pașilor Pierduți, Iași, 17 iunie 2023 5.1.34. Participare la demonstrația probei de montaj pod, cu studenții an IV de la Facultatea de Construcții, program CFDP, 22 mai, 2023 5.1.35. La Universidad Fidelitas, San Jose, Costa Rica, martie 2023 5.1.36. La Universitatea de Transport Todor Kableshkov, Sofia, Bulgaria, mai 2023 5.1.37. La Universitas Atma Jaya, Yogyakarta, Indonesia, iulie 2023 5.1.38. La Universitas Pelita Harapan, Jakarta, Indonesia, iulie 2023 5.1.39. Participare curs Expert training for assessing study fields, organizat de Quality Agency for Higher Education Latvia, 30-31 august (certificat absolvire) 5.1.40. La Istanbul „Aydin” Universitesi, Istanbul, Turcia, octombrie 2023 5.1.41. Participare Finite-Element Analysis for Assessment of Thermal Effects in Concrete Structures Webinar, 20 martie 2024 https://www.civilfem.com/thermal-concrete-webinar/ 5.1.42. Clubul Profesorilor Seniori – Memento Prof.dr.ing. Paulică Răileanu – TUIASI aprilie 2024 5.1.43. Participare webinar Webex Clarivate: ScholarOne Manuscripts**,** ScholarOne for Conferences & Reviewer Services, 4 iunie 2024 https://www.e-nformation.ro/events/webex-clarivate-prezentare-scholarone-4-iunie-2024 5.1.44. Participare Webinar CivilFEM 2024 Powered by Marc Release, 17 iulie 2024 https://www.civilfem.com/webinar-civilfem2024-poweredbymarc-release/ 5.1.45. La Istanbul „Aydin” Universitesi, Istanbul, Turcia, iulie 2024 5.1.46. Education for Sustainable Development - TEACH4SD, Barcelona School of Design and Engineering, online, 9 septembrie 2024 https://youtu.be/9mj5oB4h6kw 5.1.47. Participare la Conferința Regională "Building our sustainable future - Soluții sustenabile pentru mediul construit" 2 octombrie 2024	5,00 5,00 1,00 5,00 1,00 5,00 5,00 1,00 10,00 1,00 1,00 3,00 1,00 1,00 1,00 1,00 5,00 5,00 5,00 5,00 5,00 5,00 5,00 1,00 5,00 5,00 5,00 5,00 5,00 5,00

	5.1.48. Participare la „Romania National Roadshow - Collaborative FAIR Data Practices & Tools", 8 octombrie 2024, online, organizat de FAIR-IMPACT 5.1.49. Participare la a 7a ediție a Conferinței Școlii Doctorale, 17-19 mai, 2024 5.1.50. La University Mohammed V, Rabat, Maroc, noiembrie 2024 Universitatea Epoka, iulie 2022	5,00 1,00 5,00 5,00 **=183**
	5.2. Activitate în comisii **Realizări:** 5.2.2. Membru Centrul de Management al Talentelor TUIASI – 7,00 x 1 5.2.3. Membru Comisie finalizare studii CCIA – 5,00 x 5 (ani) = 25 5.2.4. Membru Comisie disertație, program master Inginerie geotehnică – 3,00 x 5 (ani) =15 5.2.5. Membru Comisie admitere doctorat FCI – 5,00 x 3 (ani) = 15 5.2.5. Membru Comisie contestație admitere doctorat FCI – 5,00 x 2 (ani) = 10	62,00
	5.3. Coordonare programe de studii de licență/ masterat/ postuniversitare de formare continuă	
	5.4. Coodonator / Membru în comisiile de elaborare a rapoartelor acreditare/evaluare Participare la elaborare rapoarte de autoevaluare pentru autorizare provizorie / acreditare / evaluare periodică / evaluare în programe educaționale periodică **Realizări:** 5.2.6. 5.2.5. Membru Comisie evaluare internă program studii de licență Tehnologii și Sisteme de Telecomunicații, ianuarie 2025 – 5,00 x 1 5.2.6. Membru Comisie evaluare internă program studii de licență **Ingineria si protectia mediului in agricultură**, Facultatea HGIM – 5,00 x 1 5.2.7. Membru Comisie evaluare internă program studii de licență Autovehicule rutiere, Facultatea de Mecanica – 5,00 x 1	45,00
Total punctaj Criteriu 5		**290,00**
Total punctaj Criterii 1-5		**6755,02**
6. Evaluarea de către Directorul de Departament (0-50 puncte)	**Justificări:** • **Activităţi suplimentare în cadrul Departamentului Căi de Comunicaţii şi Fundaţii**	
Total general		

*) conform Fişei postului

Data: 14 octombrie 2026

	Funcție didactică/ Nume și prenume	**Semnătura**
Director departament	**Șl.dr.ing. Oana-Elena COLȚ**	
Cadru didactic evaluat	**Prof.dr.habil.ing. Ancuța ROTARU**	

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI

FACULTATEA DE CONSTRUCȚII ȘI INSTALAȚII

DEPARTAMENTUL DE CĂI DE COMUNICAȚII ȘI FUNDAȚII

Ramura de ştiinţă: Inginerie civilă

Domeniul de studii: Inginerie civilă și instalații

FIŞA DE VERIFICARE

pentru postul de profesor universitar

ROTARU ANCUȚA

Funcţia actuală: **Profesor universitar abilitat**

Data numirii în funcţia actuală: 20 februarie 2023, cf. Hotărârii Senatului TUIASI nr. 18/10.02.2023, abilitare cf. Ordinului 3149 din 17.02.2022 emis de Ministrul Educației.

Instituţia: **Universitatea Tehnică "Gheorghe Asachi" din Iaşi, Facultatea de Construcții și Instalații, Departamentul de Căi de Comunicații și Fundații.**

Tabelul 1. Condiții minimale/punctaje obținute (în conformitate cu domeniul CNATDCU de la titularizare sau abilitare)

Criterii naționale				
Nr. crt.	Domeniul de activitate	Condiții profesor	Punctaj candidat	Concluzii
1	Activitate didactică/profesională (A1)	Minim 300 puncte	**3457,18**	Criteriu îndeplinit
2	Activitate de cercetare (A2)	Minim 300 puncte	**716,02**	Criteriu îndeplinit
3	Recunoașterea și impactul activității (A3)	Minim 160 puncte	**2418,00**	Criteriu îndeplinit
Total (A=A1+A2+A3)		Minim 760 puncte	**6.591,20**	Criteriu îndeplinit

Scor$_j$ – *Calitatea resursei umane*

$Scor_j^{(U)}$ =

$$\frac{punctaj_CD_j^{(U)}}{punctaj\ minim\ CNATDCU_j^{(U)}} = 6591{,}20 / 760 = \mathbf{8{,}67}$$

Anexa nr. 6 COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT STANDARDE MINIMALE NECESARE DIN ÎNVĂȚĂMÂNTUL SUPERIOR ȘI A GRADELOR PROFESIONALE DE CERCETARE - DEZVOLTARE

Tabelul 2. Structura activității candidatului

Nr. crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategorii/ Activități	Indicatori/ Punctaj	Îndeplinirea restricțiilor impuse (unde este cazul)
	Activitate didactică și profesională (A1)	1.1. Cărți, cursuri universitare și capitol în cărți de specialitate	1.1.1. Cărți, cursuri universitare / capitole ca autor. Profesor: minimum 2 Conferențiar: minimum 1	10 capitole internaționale	**70,00**	Da
				4 cărți 37 capitole naționale	**747,85**	
			1.1.2 Cărți, cursuri universitare / ca editor / coordonator	3 internaționale	**2603,33**	-
				0 naționale	**-**	
		1.2. Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, Erasmus, Socrates, Leonardo, ș.a.)	Punctaj unic, egal cu unitatea, pentru fiecare activitate (maxim 10 activităţi pentru Profesor; maxim 5 activități pentru Conferențiar)	10 (selectate din peste 60)	**36,00**	-

	Activitate de cercetare (A2)	2.1. Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI Proceedings	Minim 8 articole pentru Profesor (minim 2 în reviste cu FI>0.5, minim 4 Q1/Q2 și minim 2 prim autor, autor corespondent)	nr. total articole: 22 **nr. articole cu FI>0,5: 15** nr. articole cu FI>0,5: 5 **5 Q2** **3 prim autor** nr. articole cu FI<0,5: 2 nr. articole în Proceedings ISI: 5	**269,23** **Da**	**Da**
		2.2. Articole în reviste și volumele unor manifestări științifice indexate în baze de date internaționale (Scopus, Wiley, Springer, Science Direct, IEEE, Engineering Village, Proquest, EBSCO).	Minim 12 pentru Profesor	33	**305,79**	**Da**
		2.3. Brevete de invenţie înregistrate la OSIM sau WIPO	-	nr. total: _ nr. cotate ISI: _ nr. internaționale, necotate ISI: _ nr. naționale: _ nr. internaționale: 0	-	**-**
		2.4. Granturi/proiecte câștigate prin competițiile ce finanțează activități de cercetare Director/responsabil proiect	2.4.1. Director / responsabil. Minim 2 pentru Profesor	nr. internaționale: 1	**6,00**	**Da**
				nr. naționale: 4	**50,00**	
			2.4.2. Membru în echipa de implementare a grantului	nr. internaționale: 0	-	**-**
				nr. naționale: 3	**20,00**	**-**
		2.5. Responsabil de proiecte de cercetare/consultanță	-	-	-	**-**

	Recunoașterea și impactul activității (A3)	3.1.		3.1.1 nr. citări în reviste cotate ISI: 121 3.1.2 nr. citări în volumele unor manifestări științifice indexate ISI: 6 3.1.3 nr. citări în reviste cotate BDI: 47 3.1.4 nr. citări în volumele unor manifestări științifice indexate BDI: 19	**=1930+ 35 x 10 (2026)= 2280,00**	
		3.2. Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și Profesor invitat pentru a susține module de curs/prelegeri (exclusiv ERASMUS)	Punctaj unic pentru fiecare activitate (maxim 10 activități pentru Profesor; maxim 5 activități pentru Conferențiar)	internaționale: 10	**420,00**	**Da**
				naționale: –	–	
		3.3. Membru în colective de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice; Recenzor pentru reviste și manifestări științifice (punctajele sunt unice pentru fiecare categorie și se acordă doar dacă sunt îndeplinite cerințele minimale specificate în coloana alăturată. În cazul revistelor, comitetelor și manifestărilor științifice internaționale valorile minime specificate se împart la 2)	3.3.1 – minimum 2 colective de redacție și minimum 8 recenzii	Membru în colective de redacție sau recenzor pentru reviste cotate ISI: 1 + 4 (internaționale)	**40,00**	**Da**
			3.3.2 – minimum 2 colective de redacție și minimum 8 recenzii	Membru în colective de redacție sau recenzor pentru reviste indexate BDI: 1 + 4 (internaționale)	**12,00**	
			3.3.3 – minimum 2 comitete științifice și minimum 12 recenzii	2 comitete științifice 6 recenzii (internaționale, selecție)	**16,00**	
				Punctaj total	**3.251,52**	

14 octombrie 2026

DETALIERE INDICATORI

Activitate didactică și profesională (A1)

1.1. Cărți, cursuri universitare și capitole în cărți de specialitate

1.1.1 Cărți, cursuri universitare / capitol ca autor (cu ISBN)

1.1.1.1. Internaționale

DETALIERE INDICATORI

Activitate didactică și profesională (A1)

1.1. Cărți, cursuri universitare și capitole în cărți de specialitate

1.1.1 Cărți, cursuri universitare / capitol ca autor (cu ISBN)

1.1.1.1. Internaționale

Punctaje 2,5xNr.pp /(nr autori)	**Cărți de specialitate/Capitole de cărți (titlul, autorii, nr. pagini, Editura, ISBN)**	Nr. pagini
1	*2*	*3*
- (vezi 2.1.16)	Cornel Panait, Eugen Bârsan, Aida Bulucea, Nikos Mastorakis, Charles Long, Marius Mosoarcă, **Ancuța Rotaru** – Advances in Environmental and Geological Science and Engineering – capitolul „Some Geo-aspects of the Black Sea Basin", pp.169-174, Published by World Scientific and Engineering Academy and Society Press (WSEAS Press), ISBN: 978-960-474-221-9, 2010. http://www.wseas.org/multimedia/books/2010/Constantza/EG.pdf	6
- (vezi 2.2.18)	**Ancuţa Rotaru**, Vasile Boboc - Recent Advances in Electrical Engineering – capitolul ´Physical Properties of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania – A Cement-like Material for Substructure Works´ - ISBN: 978-960-474-182-3, pp.187-193, World Scientific and Engineering Academy and Society Press (WSEAS Press), 2010. http://www.wseas.us/e-library/conferences/2010/Bucharest/RIMA/RIMA-33.pdf	6
- (vei 2.2.19)	Vasile Boboc, **Ancuţa Rotaru**, Andrei Boboc - Recent Advances in Electrical Engineering – capitolul „Mechanical Properties of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania – A Cement-like Material for Substructure Works" ISBN: 978-960-474-182-3, pp.187-193, World Scientific and Engineering Academy and Society Press (WSEAS Press), 2010. http://www.wseas.us/e-library/conferences/2010/Bucharest/RIMA/RIMA-32.pdf	6
- (vezi 2.1.18)	**Ancuţa Rotaru**, Daniel Oajdea, Paulică Răileanu - Environmental Problems and Development – Energy and Environmental Engineering Series – capitolul „Dynamics of a landslide surface", ISBN: 978-960-474-023-9, World Scientific and Engineering Academy and Society Press (WSEAS Press), 2008. http://www.worldses.org/books/2008/bucharest2/environmental-problems-and-development.pdf	6
15,00	**Ancuţa Rotaru**, 2010, Swelling-shrinking Phenomena Recorded on Bahlui Clay Iasi, Development of Urban Areas and Geotechnical Engineering, Vladimir Ulitsky, Michael Lisyuk, Alexei Shashkin (eds.), vol.2, pp.443-448, Published by NPO „Geoconstruction-Fundamentproject", Saint Petersburg, ISBN 978-5-9900771-4-0	6
22,50	**Ancuţa Rotaru**, 2010, Some Processes Responsible for Difficult Foundation Soils in Iasi, Romania, „From research to design in European practice", Jana Frankovská, Jozef Hulla, Martin Ondrášik, Peter Turček (eds.),Published by Slovak University of Technology, Bratislava, Slovakia, ISBN 978-80-227-3279-6.	9
7,50	**Ancuţa Rotaru**, Ana Nicuţă, 2008, Some processes responsible for landslides, Jubilee VSU 2008, Vo.2, pp.VII-65 – VII-70, University of Structural Engineering and Architecture "Lyuben Karavelov" Publishing House, ISBN 978-954-331-020-3	6
6,25	Ana Nicuţă, **Ancuţa Rotaru**, 2008, Analysis of the liquefied soils, Jubilee VSU 2008, Vo.2, pp.VII-71 – VII-75, University of Structural Engineering and Architecture "Lyuben Karavelov" Publishing House, ISBN 978-954-331-020-3.	5
12,50	**Ancuţa Rotaru**, Paulică Răileanu, 2004, Seismic Waves Propagation in Soil Deposits Taking into Account of Soil Stratification, VSU 2004, Vol.1, University of Structural Engineering and Architecture "Lyuben Karavelov" Publishing House, Sofia, Bulgaria, pp.I-90 - I-99, 2004, ISBN 954-91127-7-2(2)	10
6,25	**Ancuţa Rotaru**, Traian-Dănuţ Babor, 2004, Some Criteria for Liquefaction and the Influence of the Geologic Time in Liquefaction Process, VSU 2004, Vol.2, University of Structural Engineering and Architecture "Lyuben Karavelov" Publishing House, Sofia, Bulgaria, p.IV-67 – IV-71, 2004, ISBN 954-91127-6-4(1)	5
70,00	**TOTAL 1.1.1.1.**	

.1.1.2. Naționale

Rezultate (punctaje) Nr.pp/(nr autori)	**Cărți de specialitate/Capitole de cărți (titlul, autorii, nr. pagini, Editura, ISBN)**	Nr. pagini
1	*2*	*3*
	Cărți de specialitate	
110,00	**Ancuţa Rotaru**, *External Risks Behind Building Decay*, Editura Societăţii Academice "Matei-Teiu Botez" Iaşi, ISBN 978-606-582-144-6, 110 pg., 2022	110
222,00	**Ancuţa Rotaru**, *Starea de tesiuni în masivele de pământ ce suportă construcţii*, Editura Societăţii Academice "Matei-Teiu Botez" Iaşi, ISBN 978-8955-48-6, 222 pg., 2009	222
140,50	**Ancuţa Rotaru**, Paulică Răileanu, *Elemente de geologie*, Editura Societăţii Academice "Matei-Teiu Botez" Iaşi, ISBN 973-7962-42-7, 281 pg., 2004	281
156,00	**Ancuţa Rotaru**, Paulică Răileanu, *Geotechnics – Laboratory Works*, Editura Societăţii Academice "Matei-Teiu Botez" Iaşi, ISBN 973-7962-51-6, 312 pg., 2004	312
	Capitole de cărți	
4,00	Pavel Ioniţoaiei, **Ancuța Rotaru**, 2023, Optimization of Port Infrastructure Works Based on Methods of Reducing Ground Settlements, European Geotechnical Engineering – Unity and Diversity: Proceedings of the 17th Danube – European Conference on Geotechnical Engineering, Irina Lungu, Iancu-Bogdan Teodoru, Loretta Batali (eds), Politehnium Publishing House, ISBN: 978-973-621-522-3.	8
2,66	Răducu-Mihai Geantău, **Ancuța Rotaru**, Traian-Dănuț-Babor, 2023, *Seepage Reduction in the Limestone Foundations of Historic Buildings Using Calcium Oxalate,* European Geotechnical Engineering – Unity and Diversity: Proceedings of the 17th Danube – European Conference on Geotechnical Engineering, Irina Lungu, Iancu-Bogdan Teodoru, Loretta Batali (eds), Politehnium Publishing House, ISBN: 978-973-621-522-3.	8
1,50	Alexandru Timu, G.Bejan, Marinela Bărbuță, **Ancuța Rotaru**, 2018, Effects of Aggregate Substitution on the Characteristics of Lightweight Polymer Concrete –"Tradition and Innovation - 65 Years of Constructions in Transilvania", U.T.Press, Cluj-Napoca, ISBN 978-606-737-326-4.	6
1,50	Vlad Aşuencei, Daniel Alupoae, **Ancuţa Rotaru**, Paulică Răileanu, 2011, Considerations on the Hydrostatic Level of Moineşti Area, Romania, "DEDUCON – Sustainable Development in Civil Engineering", Dedicated to the 70 Anniversary of Higher Education in Civil Engineering at Iași, Editura Societății Academice „Matei-Teiu Botez", Iasi, ISBN 2248-0293	6
2,50	**Ancuţa Rotaru**, Paulică Răileanu, 2009, Landslide in Parcovaci, Iasi County, "Managing Operational Risk on Roads", pp.156-160, Editura Impakt, ISBN 978-973-87102-1-4	5
1,00	Vasile Boboc, Radu Andrei, **Ancuța Rotaru**, Elena Pușlău, Andrei Boboc, A.Amarie, 2009, PIARC Methodology of Identification and Evaluation of the Risk on the Road Network, „ Managing Operational Risk on Roads", pp.150-155, Editura Impakt, ISBN 978-973-87102-1-4	6
2,00	**Ancuţa Rotaru**, Vasile Boboc, 2008, Calculul tensiunilor de forfecare dintr-un masiv de pământ, determinate de o suprafaţă încărcată, utilizând metoda sectorului, „Probleme actuale ale urbanismului şi amenajării teritoriului", Sergiu Calos (ed.), Vol.I, Secţia Drumuri, materiale şi mecanizarea construcţiilor, pp.197-200, Editura CEP a Universității de Stat din Moldova, Chişinău, ISBN 978-9975-70-775-6	4
4,00	**Ancuţa Rotaru**, 2007, Some consideration upon Landslide Repair and Correction, Adapting Road Earthworks to the Local Environment, N. Tăutu,	4

	C. Ionescu, R. Andrei, R. Scânteie (eds.), Colecția Manifestări Științifice, Editura Societăţii Academice “Matei-Teiu Botez”, Iasi, pp.235-248, 2007, ISBN 978-9738955-09-7	
2,00	**Ancuţa Rotaru**, Paulică Răileanu, Petru Rotaru, 2004, Particularităţi ale curgerii lente la argile, „Probleme actuale ale urbanismului şi amenajării teritoriului”, Vol.3, Secţia Drumuri, materiale şi mecanizarea construcţiilor, pp.244-249, 2004, Editura CEP a Universității de Stat din Moldova, Chisinau, ISBN 9975-70-445-X	6
2,00	**Ancuţa Rotaru**, Paulică Răileanu, Petru Rotaru, 2004, Expresiile funcţiilor tensiune-deformaţie-timp ce caracterizează curgerea lentă la pământuri, „Probleme actuale ale urbanismului şi amenajării teritoriului”, Vol.3, Secţia Drumuri, materiale şi mecanizarea construcţiilor, pp.250-255, Editura CEP a Universității de Stat din Moldova, Chisinau, ISBN 9975-70-445-X	6
3,00	**Ancuţa Rotaru**, Paulică Răileanu, 2004, De ce este necesară cunoaşterea stării de tensiuni în masivele de pământ acţionate de construcţii inginereşti, „Ştiinţa şi învăţământul – fundamente ale secolului al XXI-lea”, Vol.IV, pp.139-144, Editura Academiei Forţelor Terestre „Nicolae Bălcescu”, Sibiu, ISBN 973-7809-04-1	6
3,00	**Ancuţa Rotaru**, Paulică Răileanu, 2004, Deformaţiile axiale şi K_o determinate pe probe de argilă saturată normal consolidată anizotrop supusă la încercări de încărcare-descărcare, „Ştiinţa şi învăţământul – fundamente ale secolului al XXI-lea”, Vol.IV, pp.139-144, Editura Academiei Forţelor Terestre „Nicolae Bălcescu”, Sibiu, ISBN 973-7809-04-1	6
3,50	**Ancuţa Rotaru,** Traian Dănuţ Babor**,** 2004 Basic Concepts and Methods of Probability in Geotechnical Engineering, “Performance Based Engineering for 21st Century”, Multidisciplinary Center for Education, Research and Quality Management, pp. 342-348, Editura Cermi, ISBN 973-667-063-5.	7
3,50	**Ancuţa Rotaru,** Traian Dănuţ Babor, 2004, Stability Coefficients versus Stability Evaluation using Finite Element-Neural Network Hybrid Algorithms for Earth Slopes Analysis, “Computational Civil Engineering. 2004”, pp.236-242, Editura Societăţii Academice „Matei-Teiu Botez”, Iasi, ISBN 973-7962-50-8	7
3,50	**Ancuţa Rotaru,** Traian Dănuţ Babor**,** 2004, Deformability Analysis of Rock for Homogenous and Discontinuous Multi-Crack Masses, “Computational Civil Engineering”, Editura Societăţii Academice „Matei-Teiu Botez”, Iasi, pp.229-235, ISBN 973-7962-50-8	7
4,00	Traian Dănuţ Babor**, Ancuţa Rotaru**, 2004, Fault Trees, “Computational Civil Engineering”, pp.194-201, Editura Societăţii Academice „Matei-Teiu Botez”, Iasi, ISBN 973-7962-50-8	8
4,50	Traian Dănuţ Babor**, Ancuţa Rotaru**, 2004, Unitary Methodology of Investigation, “Computational Civil Engineering. 2004”, Editura Societăţii Academice „Matei-Teiu Botez”, Iasi, pp.202-210, ISBN 973-7962-50-8	9
8,00	**Ancuţa Rotaru**, 2004, Stabilirea unor relaţii între tensiunea efectivă şi umiditate la argilele saturate*,* A X-a Conferinţă Naţională de Geotehnică şi Fundaţii, Bucureşti, Vol.1, pp.141-148, Editura Conspress, ISBN 973-7797-20-5	8
3,00	**Ancuţa Rotaru**, Paulică Răileanu, 2004, Comportarea argilelor la încărcare ciclică, A X-a Conferinţă Naţională de Geotehnică şi Fundaţii, Bucureşti, 16-18 septembrie 2004, Vol.1, pp.153-158, Editura Conspress, ISBN 973-7797-20-5	6
4,00	**Ancuţa Rotaru***,* 2004, Încercări la tensiune pe probe de argilă saturată normal consolidată anizotrop supusă la încercări de încărcare-descărcare asupra rezistenţei şi deformaţiilor în timp ale pământurilor, CIB 2004, Vol.2, Editura Universităţii Transilvania-Braşov, pp.219-222, ISBN 973-635-411-3	4
1,50	**Ancuţa Rotaru**, Traian-Dănuţ Babor, Paulică Răileanu, Petru Rotaru, 2004, Influenţa particularităţilor stării de tensiuni asupra rezistenţei şi deformaţiilor în timp ale pământurilor, CIB 2004, Vol.2, Editura Universităţii Transilvania-Braşov, pp.161-166, ISBN 973-635-411-3	6

2,00	Traian-Dănuţ Babor, **Ancuţa Rotaru**, Petru Rotaru, 2004, Inside Corrosion of Hot Water System of Pipelines, CIB 2004, Vol.1, Editura Universităţii Transilvania-Braşov, pp.299-304, ISBN 973-635-410-5	6
2,00	**Ancuţa Rotaru**, Traian-Dănuţ Babor, 2004, Building Shapes and Heat Loss or Gain, CIB 2004, Braşov, 18 – 19 noiembrie 2004, Vol.2, Editura Universităţii Transilvania-Braşov, pp.219-222, ISBN 973-635-411-3	4
3,00	**Ancuţa Rotaru**, Paulică Răileanu, 2004, Alunecările de teren – catastrofe majore, „Disaster and Pollution Monitoring", Pollution Section, Editura Performantica, pp.357-362, ISBN 973-730-004-1	6
6,00	**Ancuţa Rotaru**, 2004, Knowing the Complex of Consequences Produced by Earthquakes in order to Increase the Safety of Buildings, "New Solutions for Essential Requirements in Buildings", pp.160-165, Editura Societăţii Academice „Matei-Teiu Botez", Iasi, ISBN 973-7962-49-4	6
9,00	**Ancuţa Rotaru**, 2004, Systems for the remediation of the Quality of the Contaminated Groundwater, "New Solutions for Essential Requirements in Buildings" (SIEC), pp.174-182, Editura Societăţii Academice „Matei-Teiu Botez", Iasi, ISBN 973-7962-49-4	9
2,50	Paulică Răileanu, **Ancuţa Rotaru**, 2004, Caracteristicile terenului de fundare pentru Mănăstirea Trei Ierarhi din Iaşi, SELC Ediţia a XVI-a, Editura MAN-DELY Bucureşti, ISBN 973-85681-8-8, pp.47-51, 2004	5
2,00	**Ancuţa Rotaru**, Paulică Răileanu, Influenţa anizotropiei terenurilor de fundare asupra stării de tensiuni, A X-a Conferinţă Naţională de Geotehnică şi Fundaţii, Bucureşti, 16-18 septembrie 2004, Vol.1, pp.149-152, 2004, ISBN 973-7797-20-5	4
5,50	Paulică Răileanu, **Ancuţa Rotaru**, 2004, Studii privind caracteristicile terenului de fundare pentru amplasamentul bisericii Trei Ierarhi din Iaşi, „Monumentul – tradiţie şi viitor" Ed. V, pp.261-271, Editura Trinitas Iaşi, ISBN 973-8179-57-2	11
2,33	**Ancuţa Rotaru**, Paulică Răileanu, Petru Rotaru, 2001, Folosirea deşeurilor la realizarea fundaţiilor lucrărilor de infrastructuri pentru transporturi rutiere, „Infrastructuri eficiente pentru transporturile terestre", Vol.II, pp.487-493, Editura SOLNESS Timişoara, ISBN 973-8145-41-4	7
3,00	**Ancuţa Rotaru**, Petru Rotaru, 2001, Consideraţii asupra influenţei anizotropiei în determinarea stării de tensiuni în masivele de pământ, „Realizări şi perspective în activitatea de construcţii şi în învăţământul de specialitate", Vol.I, Secţiunea C Geotehnică, topografie, căi de comunicaţii, pp.93-98, Editura Societăţii Academice „Matei-Teiu Botez", ISBN 973-85050-4-6	6
4,00	Paulică Răileanu, **Ancuţa Rotaru**, 2001, Folosirea deşeurilor în ingineria geotehnică, Tehnomil 2001, Subsecţiunea 1.4.b Chimie. Ecologie. Geniu. Construcţii. Editura Academiei Forţelor Terestre „Nicolae Bălcescu", pp. 47-54, 2001, ISBN 973-8088-48-8	8
2,66	**Ancuţa Rotaru**, Paulică Răileanu, Petru Rotaru, 2001, Depozite geotehnice de adâncime pentru stocarea deşeurilor nucleare, Tehnomil 2001, Subsecţiunea 1.4.b Chimie. Ecologie. Geniu. Construcţii, pp.63-70, Editura Academiei Forţelor Terestre „Nicolae Bălcescu", ISBN 973-8088-48-8	8
2,66	**Ancuţa Rotaru**, Paulică Răileanu, Petru Rotaru, 2001, Asupra posibilităţilor de protecţie a apei subterane şi folosirea ei în scopuri ecologice, Tehnomil 2001, Subsecţiunea 1.4.b Chimie. Ecologie. Geniu. Construcţii, pp.55-62, Editura Academiei Forţelor Terestre „Nicolae Bălcescu", ISBN 973-8088-48-8	8
3,33	**Ancuţa Rotaru**, Paulică Răileanu, Ahmad Talhouni, Aspecte teoretice şi de calcul privind starea de tensiune a pământurilor supuse la încercări dinamice, A IX-a Conferinţă Naţională de Geotehnică şi Fundaţii, Cluj-Napoca, 27-29 septembrie 2000, Vol.I, pp.247-256, Editura U.T. PRES, ISBN 973-9471-58-7	10
2,00	**Ancuţa Rotaru**, Paulică Răileanu, Influenţa anizotropiei masivelor de pământ acţionate de construcţii inginereşti în determinarea distribuţiei tensiunilor în	4

	teren, A VIII-a Conferinţă Naţională de Geotehnică şi Fundaţii, Iaşi, 25-28 septembrie 1996, Vol.II, pp.629-632, Editura ANKAROM, ISBN 973-97898-3-8	
1,33	**Ancuţa Rotaru**, Paulică Răileanu, Ana Nicuţă, Influenţa stratificaţiei terenului în determinarea stării de tensiuni şi alegerea sistemului de fundare, A VIII-a Conferinţă Naţională de Geotehnică şi Fundaţii, Iaşi, 25 - 28 septembrie 1996, Vol.2, pg.625 – 628, Editura ANKAROM, ISBN 973-97898-3-8	4
(119,35)		
747,85	**TOTAL 1.1.1.2.**	

1.1.2 Cărți, cursuri universitare / capitole de cărți ca editor / coordonator

1.1.1.1. Internaționale

Rezultate (punctaje) Nr.pp/(3xnr autori)	**Cărți de specialitate/Capitole de cărți (titlul, autorii, nr. pagini, Editura, ISBN)**	Nr. pagini
1	*2*	*3*
96,00	Advances in Environmental and Geological Science and Engineering – Editors: Cornel Panait, Eugen Bârsan, Aida Bulucea, Nikos Mastorakis, Charles Long. Associate editors: Marius Mosoarcă, **Ancuța Rotaru**, Published by World Scientific and Engineering Academy and Society Press (WSEAS Press), ISBN: 978-960-474-221-9, 2010. http://www.wseas.org/multimedia/books/2010/Constantza/EG.pdf	240
1230,00	Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment (CRIT-RE-BUILT), Springer Series in Geomechanics and Geoengineering, **Ancuţa Rotaru**, Editor, Springer Nature Switzerland Publishing House, ISBN 978-3-030-61117-0, 2021. https://www.springer.com/gp/book/9783030611170	615
157,33	Studies on Sustainable Rehabilitation of the Built Environment, *Sustainability* Special Issue, journal impact factor 3.889, Editors: Dashnor Hoxha, **Ancuța Rotaru**, Wei Wu, MDPI Academic Open Access Publishing, 2022. https://www.mdpi.com/journal/sustainability/special_issues/sustainable_rehabilitation_built_environment	236
1120,00	Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment (KNOW-RE-BUILT), Springer Series in Geomechanics and Geoengineering, **Ancuţa Rotaru**, Editor, Springer Nature Switzerland Publishing House, Hardcover ISBN 978-3-031-43454-9, 2024. https://link.springer.com/book/9783031434549	560
2603,33	**TOTAL 1.1.2.**	

1.2. Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale.

Nr crt	Rezultate (punctaj)	Denumirea programului *(selecție)*
0	*1*	*2*
1	1,00	K131 - ”Todor Kableshkov” University of Transport Sofia, Bulgaria – 2023/2027
2	1,00	K131 -University of Cyprus, Nicosia, Cipru – 2022/2027
3	1,00	K131 -Universita degli Studi della Basilicata, Potenza, Italia 2022/2027
4	1,00	K131 -Universita degli Studi di Brescia, Brescia, Italia – 2022/2027
5	1,00	K131 -Universita degli Studi di Cassino, Cassino, Italia – 2022/2027
6	1,00	K131 -Universita degli Studi di Molise, Termoli, Italia – 2022/2027
7	1,00	K131 -Universidade da Beira Interior, Covilhã, Portugalia – 2022/2027
8	1,00	K131 -Izmir Yuksek Teknoloji Enstitusu, Izmir, Turcia – 2022/2027
9	1,00	K131 -Istanbul „Aydin” Universitesi, Istanbul, Turcia – 2022/2027
10	1,00	University of Maribor, Slovenia – 2026-2027
11	1,00	University Warmia & Mazury, Olsztyn, Polonia – 2022/2027
12	1,00	Indian Institute of Technology Madras (IITM), Chennai, India 2022/2027
13	1,00	Universidad Andres Bello, Santiago de Chile, Chile 2022/2027
14	1,00	American University of Madaba, Madaba, Jordan 2022/2027
15	1,00	University of Pretoria, Pretoria, South Africa 2022/2027
16	1,00	Mohammed 5 University, Rabat, Morocco 2022/2027
17	1,00	Universidad Autonoma Metropolitana, Mexico City, Mexico 2022/2027
18	1,00	University Epoka, Tirana, Albania 2022/2027
19	1,00	Universidad Fidelitas, San Jose, Costa Rica 2022/2027
20	1,00	Asian Institute of Technology, Khlong Nueng, Pathum Thani, Thailanda, 2022/2027
21	1,00	Ho Chi Minh City University of Technology and Education, Ho Chi Minh City, Vietnam, 2022/2027
22	1,00	Universitas Atma Jaya, Yogyakarta, Indonesia, 2022/2027
23	1,00	University of Lima, Peru, 2018/2023, 2022/2027
24	1,00	Universitas Pelita Harapan, Jakarta, 2018/2023, 2022/2027
25	1,00	Georgian Technical University, 2022/2027
26	1,00	Pertovietnam University, Hanoi, Vietnam, 2022/2027
27	1,00	University of Sarajevo, Bosnia & Herțegovina, 2023/2027
28	1,00	Université des Sciences & Technologie Houari Boumediene, Alger, Algeria, 2023/2027
29	1,00	.Instituto Tehnologico de Santo Domingo, Rep. Dominicană, 2023/2027
30	1,00	University of Montevideo, Uruguay 2023/2027
31	1,00	University of Montenegro, Muntenegru 2023/2027
32	1,00	Pokhara University, Nepal 2023/2027
33	1,00	The Heigher National Engineering School of Tunis (ENSIT), Tunisia 2023/2027
34	1,00	Université Des Mascareignes, Mauritius 2023/2027
35	1,00	Rangsit University, Thailanda 2023/2027
36	1,00	Concordia University, Canada 2023/2027
	36,00	**TOTAL 1.2***

*Pentru runda 2016/2018, am coordonat în proporție de 100% fondurile Erasmus+ KA107 pentru mobilități câștigate de Universitatea Tehnică „Gheorghe Asachi” din Iași cu țări partenere în urma depunerii aplicației Erasmus+ KA107, iar 100% din aceste fonduri au fost absorbite.

TOTAL Activitate didactică și profesională (A1)	**3457,18**

Activitatea de cercetare (A2)

2.1. Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI Proceedings

1	Vasile-Mircea Venghiac, Cerasela-Panseluța Neagu, George Țăranu, **Ancuța Rotaru**, 2023, Time History Analyses of a Masonry Structure for a Sustainable Technical Assessment According to Romanian Design Codes, Sustainability, **15**, no. 4:2932. https://doi.org/10.3390/su15042932	(25 + 20 x 3,889)/4 = 25,70 **Q2**
2	Pavel Ionițoaiei, **Ancuța Rotaru**, 2023, Studies on Heavy Duty Pavements Reinforced with Steel Fibers for Port Infrastructures, IOP Conference Series: Materials Science and Engineering, Volume 1283, 17th International Scientific Conference - Civil Engineering and Building Services 03/11/2022 - 04/11/2022 Braşov, Romania https://doi.org/10.1088/1757-899X/1283/1/012006	25/5 = 5,00
3	**Ancuța Rotaru**, Bejan Florin, Dalia Almohamad, 2022, Sustainable Slope Stability Analysis: A Critical Study on Methods, Sustainability, **14**, no. 14: 8847. \https://doi.org/10.3390/su14148847 **Prim autor** **Autor corespondent**	(25 + 20 x 3,889)/3 = 34,26 **Q2**
4	Dashnor Hoxha, Brahim Ismail, **Ancuța Rotaru**, David Izabel, Thibaut Renaux. 2022, Assessment of the Usability of Some Bio-Based Insulation Materials in Double-Skin Steel Envelopes, Sustainability, **14**, no. 17: 10797. https://doi.org/10.3390/su141710797	(25 + 20 x 3,889)/5 = 20,56 **Q2**
5	Sergiu-Mihai Alexa-Stratulat, Daniel Covatariu, Ana-Maria Toma, **Ancuța Rotaru**, Gabriela Covatariu, Ionuț-Ovidiu Toma, 2022, Influence of a Novel Carbon-Based Nano-Material on the Thermal Conductivity of Mortar, Sustainability, **14**, no. 13: 8189. https://doi.org/10.3390/su14138189	(25 + 20 x 3,889)/6 = 17,13 **Q2**
6	George Taranu, Vasile-Mircea Venghiac, Ioana Olteanu-Dontov, **Ancuța Rotaru**, Ionut-Ovidiu Toma, 2022, Sustainable Design for CFS Structures: Experimental Data and Numerical Models of Hinged Connections, Sustainability, **14**, no. 13: 7813. https://doi.org/10.3390/su14137813	(25 + 20 x 3,889)/5 = 20,56 **Q2**
7	Hajar Kaddouri, Toufik Cherradi, Ibtissam Kourdou, **Ancuța Rotaru**, Nicolae Țăranu, Marinela Bărbuță, 2021, Tensile behaviour of glass fibres reinforced cementitious matrix for masonry strengthening, Romanian Journal of Materials, **51**(4): 520 – 527. https://solacolu.chim.upb.ro/pg520-527.pdf	(25 + 20 x 0,563)/6 = 6,04
8	Yasmina Ed-Dariy, Nouzha Lamdouar, Toufik Cherradi, **Ancuța Rotaru**, Marinela Barbuță, Petru Mihai, 2021, The Influence of the Curing Conditions on the Behavior of Jute Fibers Reinforced Concrete Cylinders, Periodica Polytechnica Civil Engineering, 65(4): 1162–1173. https://pp.bme.hu/ci/article/view/18331/9137	(25 + 20 x 1,361)/6 = 8,70
9	Sanaa El Malyh, Azzeddine Bouyahyaoui, Toufik Cherradi, **Ancuța Rotaru**, 2021, Experimental investigation on bond strength of CFRP applied to masonry prism, Romanian Journal of Materials, **51**(3): 456-463.https://solacolu.chim.upb.ro/pg456-463.pdf	(25 + 20 x 0,563)/4 = 9,07
10	Yasmina Ed-Dariy, Nouzha Lamdour, Toufik Cherradi, **Ancuța Rotaru**, Marinela Barbuță, Petru Mihai, 2020, Effect of alkali treatment of Jute fibers on the compressive strength of normal-strength concrete members strengthened with JFRP composites, Journal of Applied Science and Engineering, 23(4): 677-685. http://jase.tku.edu.tw/articles/jase-202012-23-4-12.pdf	(25 + 20 x 0,280)/6 = 5,10
11	Hajar Kaddouri, Toufik Cherradi, Ibtissam Kourdou, **Ancuța Rotaru**, Nicolae Țăranu, Petru Mihai, 2020, Fabric-reinforced Cementitious Matrix (FRCM) versus Fibre-reinforced Plastic (FRP) in Unreinforced Masonry Walls Subjected to Diagonal Compression, Romanian Journal of Materials, 50(3): 429 – 437. http://solacolu.chim.upb.ro/pg429-437.pdf	(25 + 20 x 0,542)/6 = 5,97
	Răducu-Mihai Geantău, **Ancuța Rotaru**, Traian-Dănuț Babor, Maria Tunkiewicz, Joanna Misiewicz, Piotr Kosiński, 2026, Wettability and Hygric Transport Response of Solvent-free Si–PDMS Treated Foundation Bricks, Romanian Journal of Materials, **56**(1):59–65. https://www.revista-romana-de-materiale.upb.ro/administrare/content/doc/2026/1/07/server/files/articol.pdf	IF=0,650
	Răducu-Mihai Geantău, **Ancuța Rotaru**, Traian-Dănuț Babor, Maria Tunkiewicz, Joanna Misiewicz, Piotr Kosiński, 2026, Refinement of the Pore Structure in SI–PDMS Treated Foundation Bricks, Romanian Journal of Materials, 56(1): 53 – 58. https://www.revista-romana-de-materiale.upb.ro/administrare/content/doc/2026/1/06/server/files/articol.pdf	IF=0,650
12	Monther Abdelhadi, **Ancuța Rotaru**, Nafeth Abdel Hadi, Nicolae Țăranu, Andrei Boboc, Oana Mihaela Banu, 2019, The Influence of Bituminous Oil Shale Ashes on the Characteristics of Stabilized Silty-sandy Brown Clays, Romanian Journal of Materials, **49**(4): 581-590. http://solacolu.chim.upb.ro/pg581-590.pdf	(25 + 20 x 0,628)/6 = 6,26

13	**Ancuţa Rotaru**, Vasile Boboc, Nicolae Țăranu, Monther Abdelhadi, Andrei Boboc, Oana-Mihaela Banu, 2019, The compressive behaviour of aggregates cemented with fly ash collected from coal-fired power plants, Romanian Journal of Materials, **49**(1): 141-147. http://solacolu.chim.upb.ro/p141-147.pdf **Prim autor**	(25 + 20 x 0,650)/6 = 6,33
14	Daniel Lepadatu, D.I. Morariu, Toufik Cherradi, **Ancuța Rotaru,** Loredana Judele, 2019, Smart Technology Optimization by Multicriteria Analysis of Civil Engineering Structure in Service Stage through Topo-Geodetic Monitoring, SCA '19: Proceedings of the 4th International Conference on Smart City Applications, Casablanca, Morocco, October 2019. https://dl.acm.org/doi/abs/10.1145/3368756.3369055 https://www.scopus.com/authid/detail.uri?authorId=26022121700	25/5= 5,00
15	Giovanni Zanvettor, Alexandru Timu, **Ancuța Rotaru**, Liliana Bejan, Marinela Barbuță, 2019, Tensile Properties of Green Polymer Concrete, The 12th International Conference Interdisciplinarity in Engineering, Procedia Manufacturing **32** (2019) 248–252, ScienceDirect, Published by Elsevier. https://www.sciencedirect.com/journal/procedia-manufacturing/vol/32	25/5 = 5,00
16	Monther Abdelhadi, **Ancuța Rotaru**, Maria Gavrilescu, Nicolae Țăranu, 2018, Compressive Strength Analysis on Problematic Soils Stabilized with Fly Ash in Jordan, Environmental Engineering & Management Journal (EEMJ) **17**(8): 1855-1861. http://eemj.eu/index.php/EEMJ/article/view/3648	(25 + 20 x 1,186)/4 = 12,18
17	**Ancuţa Rotaru**, Chavdar Kolev, 2010, Addressing Issues of Geoenvironmental Risks in Dobruja, Romania/Bulgaria, Environmental Engineering and Management Journal (EEMJ), **9**(7): 961-969. http://www.eemj.icpm.tuiasi.ro/pdfs/vol9/no7/14_100_Rotaru_10.pdf, **Prim autor** http://eemj.eu/index.php/EEMJ/article/view/590	(25 + 20 x 1,435)/2 = 26,85
18	**Ancuţa Rotaru**, Some Geo-aspects of the Black Sea Basin, 2010, Poceedings of the 3rd International Conference on Environmental and Geological Science and Engineering (EG '10), Constantza Maritime University (CMU), 3-5 September 2010, Constanta, in Advances in Environmental and Geological Science and Engineering, Published by World Scientific and Engineering Academy and Society Press (WSEAS Press), pp.169-174, ISSN: 1792-4685, ISBN: 978-960-474-221-9, http://www.wseas.us/conferences/2010/constantza/eg/	25/1 = 25,00
19	**Ancuţa Rotaru**, Paulică Răileanu, 2008, Groundwater contamination from waste storage works, Environmental Engineering and Management Journal, Editura EcoZONE, ISSN: 1582-9596, **7**(6): 731-735. http://www.eemj.icpm.tuiasi.ro/pdfs/vol7/no6/19_Ancuta%20Rotaru.pdf	(25 + 20 x 0,368)/2 = 16,18
20	**Ancuţa Rotaru**, Daniel Oajdea, Paulică Răileanu, 2008, Dynamics of a landslide surface, Environmental Problems and Development – Energy and Environmental Engineering Series, Published by World Scientific and Engineering Academy and Society Press, pp.22-27, ISSN: 1790-5095, ISBN: 978-960-474-023-9. http://www.worldses.org/books/2008/bucharest2/environmental-problems-and-development.pdf	25/3 = 8,34
		269,23

2.2. Articole în reviste și volumele unor manifestări științifice indexate în baze de date internaționale (Scopus, Wiley, Springer, Science Direct, IEEE, Engineering Village, Proquest, EBSCO)

1	**Ancuța Rotaru**, Florin Bejan, 2024, Modelling of Critical Slip Surface Geometry for Sustainable Slope Stability Analysis. In: Rotaru, A. (eds) Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment. KNOW-RE-BUILT 2021. Springer Series in Geomechanics and Geoengineering. Springer, Cham. https://link.springer.com/chapter/10.1007/978-3-031-43455-6_1	10,00
2	George Țăranu, Vasile Mircea Venghiac, **Ancuța Rotaru**, Ioana Olteanu, Ionuț Ovidiu Toma, 2024, Experimental Tests of T-Joints Made of Thin-Walled Cold-Formed Steel	4,00

	Profiles Assembled with Steel Rivets. In: Rotaru, A. (eds) Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment. KNOW-RE-BUILT 2021. Springer Series in Geomechanics and Geoengineering. Springer, Cham. https://link.springer.com/chapter/10.1007/978-3-031-43455-6_20	
3	Sergiu Mihai Alexa-Stratulat, Daniel Covatariu, Ana Maria Toma, **Ancuța Rotaru**, Gabriela Covatariu, Ionuț Ovidiu Toma, 2024, Assessment of Thermal Conductivity of Mortar with a Novel Carbon Based Nano-material. In: Rotaru, A. (eds) Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment. KNOW-RE-BUILT 2021. Springer Series in Geomechanics and Geoengineering. Springer, Cham https://link.springer.com/chapter/10.1007/978-3-031-43455-6_22	3,33
4	Răducu-Mihai Geantău, **Ancuța Rotaru**, Traian-Dănuț Babor, 2024, Evolution of Studies on Biomimetic Materials with Applications in Reducing Infiltration by Electrodrainage on Infrastructure Works, Conference Proceedings of the Academy of Romanian Scientists, PRODUCTICA, Scientific Session, **16**(1), Academia Oamenilor de Știință din România, ISSN 2067-9564 https://www.aos.ro/wp-content/proceedings/PVol16Nr1Art.2.pdf	6,67
5	Yasmina Ed-Dariy, Nouzha Lamdouar, Toufik Cherradi, **Ancuța Rotaru**, Marinela Bărbuță, Petru Mihai, Loredana Judele, 2020, Effect of surface treatment on the behavior of square concrete members confined by JFRP composites, 2nd International Conference on Advanced Technologies for Humanity (ICATH'2020), November 20-21, 2020, Rabat. Morocco. https://www.scitepress.org/PublicationsDetail.aspx?ID=YGdBY3gaip0=&t=1	2,86
6	Yasmina Ed-Dariy, Nouzha Lamdouar, Toufik Cherradi, **Ancuța Rotaru**, Marinela Barbuta, Petru Mihai, Loredana Judele, 2020, The Behavior of Concrete Cylinders Confined by JFRP Composites: Effect of KOH Solution, 5th World Congress on Civil, Structural, and Environmental Engineering (CSEE'20) virtually, October 18 – 20, 2020 https://avestia.com/CSEE2020_Proceedings/files/CSEE20%20Proceedings.pdf	2,86
7	Yasmina Ed-Dariy, Nouzha Lamdouar, Toufik Cherradi, **Ancuța Rotaru**, Marinela Bărbuță, Petru Mihai, Loredana Judele, 2020, Experimental Investigation of the Effects of Naoh and KOH Solution on the Behavior of Concrete Square Columns Reinforced By JFRP Composites, 5th World Congress on Civil, Structural, and Environmental Engineering (CSEE'20) virtually, October 18 – 20 2020. https://avestia.com/CSEE2020_Proceedings/files/CSEE20%20Proceedings.pdf	2,86
8	**Ancuța Rotaru,** Radu-Aurel Pescaru, Ioana Olteanu-Donţov, Alina-Mihaela Nicuţă, Petru Mihai, Vasilică Ciocan, Marius-Costel Balan, 2021, Hazard Risk Mitigation for a Sustainable Built Environment. In: Rotaru A. (ed) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019, pp.3-34. Springer Series in Geomechanics and Geoengineering. https://link.springer.com/chapter/10.1007/978-3-030-61118-7_1	2,86
9	**Ancuța Rotaru**, Gupinath Bhandari, 2021, The Impact of Environmental Degradation: Atmospheric and Geological Issues in Built Areas. In: Rotaru A. (ed) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019, pp.35-46. Springer Series in Geomechanics and Geoengineering. https://link.springer.com/chapter/10.1007/978-3-030-61118-7_2	10,00
10	**Ancuța Rotaru**, Dana-Mădălina Pohrib, 2021, Stabilization of Roads Located on Banks of Mountain Flowing Waters. In: Rotaru A. (ed) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019, pp.130-141. Springer Series in Geomechanics and Geoengineering. https://link.springer.com/chapter/10.1007/978-3-030-61118-7_11	10,00
11	Marinela Bărbuță, **Ancuța Rotaru**, Traian-Dănuț Babor, 2021, Mechanical Characteristics of Polymer Concrete with Different Waste Replacements. In: Rotaru A. (ed) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019, pp. 200-206. Springer Series in Geomechanics and Geoengineering. https://link.springer.com/chapter/10.1007/978-3-030-61118-7_17	6,67

12	Luis Jose Andrade Pais, Paulo Eduardo Maia de Carvalho, Luis Manuel Ferreira Gomes, **Ancuța Rotaru**, 2021, Mechanical Bevahiour of an Unsaturated Soil Associated with Seepage. In: Rotaru A. (eds) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019, pp.229-240. Springer Series in Geomechanics and Geoengineering. https://link.springer.com/chapter/10.1007/978-3-030-61118-7_20	5,00
13	Sanaa Elmalyh, Azzeddine Bouyahyaoui, Toufik Cherradi, **Ancuța Rotaru**, Petru Mihai, 2020, Shear Strength of Unreinforced Masonry Walls Retrofitted with CFRP, *Advances in Science, Technology and Engineering Systems Journal (ASTESJ),* 5(2), 351-359, ISSN: 2415-6698. https://astesj.com/v05/i02/	4,00
14	Sanaa Elmalyh, Azzeddine Bouyahyaoui, Toufik Cherradi, **Ancuța Rotaru**, Petru Mihai, 2020, In-Plane Shear Behavior of Unreinforced Masonry Walls Strengthened with Fiber Reinforced Polymer Composites, *Advances in Science, Technology and Engineering Systems Journal (ASTESJ)*, J. 5(2), 351-359. https://astesj.com/v05/i02/	4,00
15	Alexandru Timu, G. Bejan, G. Sosoi, Marinela Bărbuță, **Ancuța Rotaru**, 2019, Mechanical Characteristics of Lightweight Concrete Obtained by Aggregate Replacement, *Bulletin of the Transilvania University of Brașov,* **59**(1), 181-186. http://webbut.unitbv.ro/BU2018/Series%20I/Contents_I_CIB_CE.html	4,00
16	Andrei Boboc**, Ancuţa Rotaru**, Vasile Boboc, Gupinath Bhandari, 2017, An Approach to Identify the Impact of Human Intervention on Major Defects in Road Design, Construction and Maintenance, *Advanced Engineering Forum*, Proceedings of EBUILT International Conference, November 16-19, 2016, Iași, Romania, 21: 327-334. https://www.scientific.net/AEF.21.327	5,00
17	**Ancuţa Rotaru**, Gupinath Bhandari, 2017, Bridging New Solutions for Sustainable Rehabilitation of Structures Damaged Due to Difficult Soils or Foundation Design, *Advanced Engineering Forum*, Proceedings of EBUILT International Conference, November 16-19, 2016, Iași, Romania, **21**: 346-351. https://www.scientific.net/AEF.21.346	10,00
18	Vasile Boboc, **Ancuţa Rotaru**, Andrei Boboc, Gupinath Bhandari, 2017, Site Soil Investigations for Road Rehabilitation, *Advanced Engineering Forum*, Proceedings of EBUILT International Conference, November 16-19, 2016, Iași, Romania, 21: 372-379. https://www.scientific.net/AEF.21.372	5,00
19	Smita Tung, Kaustuv Bhattacharya, Gupinath Bhandari, Sibapriya Mukherjee, **Ancuţa Rotaru**, Vasile Boboc, 2017, Stability Analysis of the Earth Embankments Subjected to Natural Cyclic Processes, *Advanced Engineering Forum*, Proceedings of EBUILT International Conference, November 16-19, 2016, Iași, Romania, 21: 389-396. https://www.scientific.net/AEF.21.389	3,33
20	**Ancuţa Rotaru**, 2011, Landslides Triggered in Hard Soils and Soft Rocks in Romania, Proceedings of the 15th European Conference on Soil Mechanics and Geotechnical Engineering - Geotechnics of Hard Soils – Weak Rocks, Edited by Andreas Anagnostopoulos, Michael Pachakis, Christos Tsatsanifos, IOS Press, ISBN 978-1-60750-800-7, DOI: 10.3233/978-1-60750-801-4-1383, pp. 1383 – 1387, Atena, Grecia, 12-15 septembrie 2011. http://www.booksonline.iospress.nl/Content/View.aspx?piid=21317	20,00
21	**Ancuţa Rotaru**, Vasile Boboc, 2010, Physical Properties of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania – A Cement-like Material for Substructure Works, – Recent Advances in Risk Management, Assessment and Mitigation, Poceedings of the International Conference on Risk Management, Assessment and Mitigation (RIMA'10), Universitatea Politehnica, Bucharest, Romania, April 20-22, 2010, in *Recent Advances in Electrical Engineering* Published by World Scientific and Engineering Academy and Society Press (WSEAS Press), 187-193, ISSN: 1790-2769, ISBN: 978-960-474-182-3. www.imst.pub.ro/userfiles/Joint%20program.pdf https://www.scopus.com/authid/detail.uri?authorId=26022121700	10,00

22	Vasile Boboc, **Ancuţa Rotaru**, Andrei Boboc, 2010, Mechanical Properties of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania – A Cement-like Material for Substructure Works, Recent Advances in Risk Management, Assessment and Mitigation, Poceedings of the International Conference on Risk Management, Assessment and Mitigation (RIMA'10), Universitatea Politehnica, Bucharest, Romania, April 20-22, 2010, in *Recent Advances in Electrical Engineering* Published by World Scientific and Engineering Academy and Society Press (WSEAS Press), 187-193, ISSN: 1790-2769, ISBN: 978-960-474-182-3. www.imst.pub.ro/userfiles/Joint%20program.pdf https://www.yumpu.com/en/document/view/28635509/recent-advances-in-risk-management-wseasus	6,67
23	**Ancuţa Rotaru**, Vasile Boboc, 2010, A Material Used in Substructure and Road Works: Physical Characteristics of Pozzolana Fly Ash from Thermal Power Plant of Iași, Romania, *WSEAS Transactions on Environment and Development*, Volume 6(6): 427-436, ISSN: 1790-5079. https://www.wseas.us/e-library/transactions/environment/2010/89-818.pdf https://www.semanticscholar.org/paper/A-Material-Used-in-Substructure-and-Road-Works-%3A-of-Rotaru-Boboc/f2bb11b6ac3fbfe28f3882172e116b1069984a72	10,00
24	Vasile Boboc, **Ancuţa Rotaru**, Andrei Boboc, 2010, A Material for Substructure and Road Works: Mechanical Characteristics of Pozzolana Fly Ash from Thermal Power Plant of Iași, Romania, *WSEAS Transactions on Environment and Development*, 6(6): 437-446, ISSN: 1790-5079. http://www.wseas.us/e-library/transactions/environment/2010/89-819.pdf https://docplayer.net/170081937-A-material-for-substructure-and-road-works-mechanical-characteristics-of-pozzolana-fly-ash-from-thermal-power-plant-of-iasi-romania.html	6,67
25	**Ancuţa Rotaru**, 2010, Geoenvironmental Issues Concerning the Black Sea Basin, *International Journal of Energy and Environment* Published by NAUN, 4(4): 131-138, ISSN: 1109-9577 http://www.naun.org/journals/energyenvironment/2010.htm https://www.scopus.com/record/display.uri?eid=2-s2.0-84891826960&origin=inward&txGid=47e12378ab56f803d68a855813255a19	20,00
26	Costel Pleşcan, **Ancuţa Rotaru**, 2010, Aspects Concerning the Improvement of Soils against Liquefaction, *Buletinul Institutului Politehnic din Iași*, Universitatea Tehnică „Gheorghe Asachi" din Iaşi, Tom LVI (LX), Fasc.3, Secţia Construcții. Arhitectură, 39-45. http://www.bipcons.ce.tuiasi.ro/Content/ArticleInformation.php?ArticleID=188	10,00
27	**Ancuţa Rotaru**, Paulică Răileanu, 2009, Some Models of Soil Behaviour for Evaluation of Consolidation Settlement in Clays, Proceedings of the 17th International Conference on Soil Mechanics and Geotechnical Engineering, Alexandria, Egypt, October 5-9, 2009, Published by IOS Press, imprint Millpress, ISBN 978-1-60750-031-5 (print). http://www.iospress.nl/loadtop/load.php?isbn=9781607500315 https://www.scopus.com/authid/detail.uri?authorId=26022121700	10,00
28	**Ancuţa Rotaru**, 2008, Quality control and remediation of contaminated soils in urban areas–some examples from Romania, *Australian Journal of Basic and Applied Sciences*, 2(4): 929-938. http://www.ajbasweb.com/old/ajbas/2008/929-938.pdf	20,00
29	**Ancuţa Rotaru**, Paulică Răileanu, Petru Rotaru, 2008, Research concerning the water seepage in the basement of the Orthodox Cathedral of Bacău, Romania, *Buletinul Institutului Politehnic din Iaşi, Bulletin of the Polytechnic Institute of Jassy*, tomul XIV (LXIII), fasc.4, Secţia Construcţii. Arhitectură http://www.bipcons.ce.tuiasi.ro/Content/ArticleInformation.php?ArticleID=127	6,67
30	Ana Nicuţă, **Ancuţa Rotaru**, Research on sites with sliding potential, *Acta Technica Napocensis*, UT Cluj-Napoca, Section Civil Engineering – Architecture, 51, vol.III, 2008, ISSN 1221-588, pp. 285-290 https://constructii.utcluj.ro/ActaCivilEng/download/Acta_Technica_Napocensis_Vol51_2008_nr3.pdf	10,00

31	**Ancuţa Rotaru**, Ana Nicuţă, Some aspects of landslide risk evaluation taking into account their distribution and properties, *Journal Materials, Methods and Technologies, International Scientific Publications*, vol.2, part.1, 2008, ISSN 1313-2539, pp.47-57, Published by Info Invest, Bulgaria. https://www.scientific-publications.net/download/materials-methods-and-technologies-2008.pdf	10,00
32	**Ancuţa Rotaru**, Daniel Oajdea, Paulică Răileanu, 2007, Analysis of the landslide movements, *International Journal of Geology*, NAUN, 1(3) 70-79. https://naun.org/multimedia/NAUN/geology/ijgeo-10.pdf	6,67
33	**Ancuţa Rotaru**, Procedee şi tehnologii de îmbunătăţire a proprietăţilor terenurilor dificile de fundare in vederea creşterii sigurantei şi durabilităţii infrastructurii construcţiilor inginereşti, *Revista de Politica Științei şi Scientometrie*, Număr special 2005, Editată CNCSIS, ISSN-1582-1218, 1-19, 2005.	20,00
34	**Ancuţa Rotaru**, Traian Dănuţ Babor, Calculul deformaţiilor pentru probe de argilă saturată consolidată anizotrop supusă la încercări de încărcare – descărcare. Condiţii de normalitate si K_o, *Buletinul Institutului Politehnic din Iaşi*, secţia VI, Construcţii. Arhitectură, Tomul L(LIV), Fasc.5, pp.285-290, 2004.	10,00
35	**Ancuţa Rotaru**, Traian Dănuţ Babor**,** Aplicarea relaţiilor unice dintre umiditate şi tensiunile efective la argilele saturate, *Buletinul Institutului Politehnic din Iaşi*, secţia VI, Construcţii. Arhitectură, Tomul L(LIV), Fasc.5, www.bipcons.ce.tuiasi.ro/papers.html , pp.279-284, 2004.	10,00
36	Dănuţ Babor, **Ancuţa Rotaru**, Fire din sticlă, *Buletinul Institutului Politehnic din Iaşi*, secţia VI, Construcţii. Arhitectură, Tomul L(LIV), Fasc.5, pp.9-12, 2004.	10,00
37	Dănuţ Babor, **Ancuţa Rotaru**, Cristin Grigorean, Geamuri speciale, *Buletinul Institutului Politehnic din Iaşi*, secţia VI, Construcţii. Arhitectură, Tomul L(LIV), Fasc.5, pp.13-16, 2004.	6,67
		305,79

2.3 Brevete de invenție înregistrate la OSIM sau WIPO
2.3.1 Cotate ISI

Nr. crt.	Rezultate (punctaje)	Autori, titlul brevetului, nr. brevet, instituția la care a fost înregistrat brevetul de invenție
1	50/nr. autori =	**-**

2.3.2 Internaționale, necotate ISI

Nr. crt.	Rezultate (punctaje)	Autori, titlul brevetului, nr. brevet, instituția la care a fost înregistrat brevetul de invenție
1	35/nr. autori =	**-**

2.3.3. Naționale

Nr. crt.	Rezultate (punctaje)	Autori, titlul brevetului, nr. brevet, instituția la care a fost înregistrat brevetul de invenție
1	25/nr. autori =	**-**

2.4 Granturi/Proiecte* câștigate prin competițiile ce finanțează activități de cercetare

*** Prin grant/proiect de cercetare câștigat prin competiție se înțelege că trebuie să fie atrase simultan fonduri pentru: cheltuieli de personal, cheltuieli de capital, cheltuieli de logistică (obiecte de mică valoare și consumabile), deplasări și regia universității**
2.4.1 Director (pentru instituția coordonatoare) / responsabil (pentru instituția parteneră)

2.4.1.1 Internaționale

Nr crt	Titlu proiect	Tip contract/ număr	Valoare contract	Perioada/ anul	Calitate în proiect	Rezultate (Punctaje)
1	Rehabilitation of the Built Environment in the Context of Smart City and Sustainable Development Concepts for Knowledge Transfer and Lifelong Learning (RE-BUILT) - Research collaboration supporting innovation - http://www.rebuilt.ce.tuiasi.ro/	E+ 2018-1-RO01-KA203-049214	388.456 EUR	2018/2021	Director/ Manager	65,00
					TOTAL	**65,00**

2.4.1.2 Naționale

Nr crt	Titlu proiect	Tip contract/ număr	Valoare contract	Perioada/ anul	Calitate în proiect	Rezultate (Punctaj)
1	Procedee și tehnologii de îmbunătățire a proprietăților terenurilor dificile de fundare în vederea creșterii siguranței și durabilității construcțiilor inginerești	Grant MEC. tip A, nr.27637/2005, Tema 49, cod CNCSIS 547	200.000.000 ROL	2005	Director proiect	10,00
		Grant M.E.C. tip A, nr.A1 GR164/2006, tema 70, cod CNCSIS 547	57.000 RON	2006	Director proiect	10,00
2	Reducerea riscului de producere a alunecărilor de teren – provocare și strategie https://uefiscdi.gov.ro/UserFiles/File/Rezultate%2520FINALE%2520%2520aplicatii%2520privind%2520organizarea%2520de%2520WE%2520in%2520anul%252202009%2C%2520depuse%2520in%25202008.pdf	PNCDI II Workshop exploratoriu nr.17WE/2009	30.000 RON	2009	Director proiect	10,00
3	Some aspects of landslide risk evaluation taking into account their distribution and properties http://old.uefiscdi.ro/UserFiles/File/MC%202008/LISTA_PROPUNERI_PROIECTE_PRIMITE_Tip_MC(2).htm	PNCDI II RU – mobilități cercetători nr.90/2008	2316,76 RON	2008	Director proiect	10,00
4	Studii doctorale pentru performanțe europene în cercetare și inovare (CUANTUMDOC)	POSDRU/CDPP107 1.5/S/79407		2010/2011	Director executiv	10,00
					TOTAL	**50,00**

2.4.2 Membru în echipa de implementare a grantului

2.4.2.1 Internaționale

Nr. crt.	Rezultate (punctaje)	Titlul proiectului
	-	*10*nr. ani de desfășurare=*
1	10 x 1 = 10,00	Sustainable Development of Teaching and Learning Environments - Developing the Ingenium Learning Spaces Learning Community. 2025 Coordonator: Munster Technological University
2	10 x 1 = 10,00	
Punctaj total: **20,00**		

2.4.2.2 Naționale

Nr. crt.	Rezultate (punctaje)	Titlul proiectului
1	5 x 1 = 5,00	COST – Action 351 - Water Movement in Road Pavements and Embankments – membru al grupului de lucru național
2	5 x 2 = 10,00	Program PHARE pentru implementarea managementului universitar, participare efectivă la întâlnirile de la Olimp (23-25 septembrie 2000) şi Braşov (1-3 martie 2001).
2	5 x 1 = 5,00	*European Civil Engineering Education and Training* I, II Nr.104.437 CP1-2002-1-FR-ERASMUS-TN Ecole Nationale des Ponts et Chaussees – partener, 2001 - Participare efectivă la întâlnirea de la Mamaia (februarie 2001).
Punctaj total:		**20,00**

2.5. Responsabil de proiecte de cercetare/consultanță (fiecare proiect considerat la calculul punctajului trebuie să fie în valoare de minim 50000 lei pentru instituția la care responsabilul era/este titular)

Nr. crt.	Rezultate (punctaje)	Titlul proiectului
Punctaj total: -		

TOTAL Activitate de cercetare (A2)	**716,02**

Recunoașterea și impactul activității (A3)

3.1 Citări în reviste ISI și BDI și în volumele conferințelor ISI și BDI (nu sunt considerate autocitările)

Nr crt	Date despre lucrarea citată			Date despre lucrarea în care a fost citată lucrarea personală			Punctaj citări în reviste sau manifestări științifice			
	Autorii lucrării	Titlul lucrării	Unde și când a fost publicată lucrarea	Autorii lucrării	Titlul lucrării	Unde și când a fost publicată lucrarea	Indexate ISI Cotate ISI	Manif. șt. ISI	Indexate BDI	Manif. șt. BDI
1.	**Ancuța Rotaru**, Daniel Oajdea, Paulică Răileanu	Analysis of the Landslide Movements	International Journal of Geology, NAUN, Issue 3, Volume 1, 2007	Gorazd Žibret, Marko Komac, Mateja Jemec	PSInSAR Displacements Related to Soil Creep and Rainfall Intensities in the Alpine Foreland of Western Slovenia	Geomorphology, Volumes 175–176(15): 107–114, Published by Elsevier B.V., 2012 http://lps16.esa.int/posterfiles/paper0491/Psinsar_displacements%20related%20to%20soil%20creep_Slovenia.pdf https://www.sciencedirect.com/science/article/abs/pii/S0169555X12003261	10			
2.				Chisheng Wang, Qingquan Li, Jiasong Zhu, Wei Gao, Xinjian Shan, Jun Song, Xiaoli Ding	Formation of the 2015 Shenzhen Landslide As Observed by SAR shape-from-shading	Nature, Scientific Reports 7, Published online on 3 March 2017 http://www.nature.com/articles/srep43351	10			
3.				Meirman Syzdykbayev, BobakKarimi, Hassan A.Karimi	Persistent Homology on LiDAR Data to Detect Landslides	Remote Sensing of Environment, 246, 2020 https://www.sciencedirect.com/science/article/abs/pii/S0034425720301863	10			
4.				André Rodrigues, Johnny Reis, Filipe Pinto, Davi Lucas	Mass Movement Risk in a Portuguese Municipality: Tabuaço Case Study	Proceedings of the Institution of Civil Engineers - Forensic Engineering, 174(1):1-9, 2020. ISSN 2043-9903 | E-ISSN 2043-9911, https://doi.org/10.1680/jfoen.20.00018	10			
5.				Chiara Crippa, Elena Valbuzzi, Paolo Frattini, Giovanni B. Crosta, Margherita C. Spreafico, Federico Agliardi	Semi-automated Regional Classification of the Style of Activity of Slow Rock-slope Deformations Using PS InSAR and SqueeSAR Velocity Data	Landslides, April 2021, Edited by Springer https://link.springer.com/article/10.1007/s10346-021-01654-0	10			
6.				Paschalis D. Koutalakis, Ourania A. Tzoraki, Georgios I. Prazioutis, Georgios T. Gkiatas, George N. Zaimes	Can Drones Map Earth Cracks? Landslide Measurements in North Greece Using UAV Photo-grammetry for Nature-Based Solutions	Sustainability 2021, **13**(9), 4697; https://doi.org/10.3390/su13094697	10			
7.				Mathilde Desrues, Jean-Philippe Malet, Ombeline Brenguier, Aurore Carrier, Alexandre Mathy, Lionel Lorier	Landslide Kinematics Inferred from in situ Measurements: the Cliets Rock-slide (Savoie, French Alps)	Landslides, October 2021, Edited by Springer https://doi.org/10.1007/s10346-021-01726-1	10			
8.				Jayesh B. Patil, A. B. Landage	A Review Landslide Area Mapping by GIS and Remote Sensing and its Mitigation Methods in Parts of Western Ghat	International Journal of Advances in Engineering and Management (IJAEM), 4(2), 2022, pp. 1571-1573, ISSN: 2395-5252https://ijaem.net/issue_dcp/A%20Review%20Landslide%20Area%20Mapping%20by%20GIS%20and%20Remote%20Sensing%20and%20its%20Mitigation%20Methods%20in%20Parts%20of%20Western%20Ghat.pdf	10			
9.				Dai Xiaoliang, Yunqiang Zhu, Kai Sun, Qiang Zou, Shen Zhao, Weirong Li, Lei Hu, Shu Wang	Examining the Spatially Varying Relationships between Landslide Susceptibility and Conditioning Factors Using a Geographical Random Forest Approach: A Case Study in Liangshan, China	Remote Sensing, 15(6), 1513, 2023 https://doi.org/10.3390/rs15061513 https://www.mdpi.com/2072-4292/15/6/1513	10			
10.				Wandi Wang, Mahdi Motagh, Sara Mirzaee, Tao Li, Chao Zhou, Hui Tang, Sigrid Roessner	The 21 July 2020 Shaziba Landslide in China: Results from Multi-source Satellite Remote Sensing	Remote Sensing of Environment, 295, 1 September 2023, 113669, ISSN 0034-4257 https://doi.org/10.1016/j.rse.2023.113669 https://www.sciencedirect.com/science/article/abs/pii/S0034425723002201	10			
11.				Marta Jurchescu, Gheorghe Kucsicsa, Mihai Micu, Dan Bălteanu, Mihaela Sima, Elena-Ana Popovici	Implications of Future Land-use/ Cover Pattern Change on Landslide Susceptibility at A National Level: A Scenario-based Analysis in Romania	CATENA, 231, 2023, 107330, ISSN 0341-8162, https://doi.org/10.1016/j.catena.2023.107330 https://www.sciencedirect.com/science/article/pii/S0341816223004216	10			
12.				Dongxiao Zhang, Lu Zhang, Jie Dong, Yian Wang, Chengsheng Yang, Mingsheng Liao	Improved Phase Gradient Stacking for Landslide Detection	Landslides, 2024, 21(4), Electronic ISSN 1612-5118, Print ISSN 1612-510X. https://doi.org/10.1007/s10346-024-02263-3	10			
13.				Ananta Man Singh Pradhan, Suchita Shrestha, Ji-Sung Lee, Yun-Tae Kim	Can Level-2 Firth's Bias-reduced Logistic Regression Be Considered A Robust Approach for Predicting Landslide Susceptibility?	Bulletin of Engineering Geology and the Environment, 2024, 84(29), Print ISSN 1435-9529. https://link.springer.com/article/10.1007/s10064-024-04022-z	10			
14.				Radek Tichavský	Optimising Landslide Trigger Analysis through Integration of	Landslides, 2024, Electronic ISSN 1612-5118, Print ISSN 1612-510X	10			

					Diverse Dendrogeomorphic Approaches and Multi-source Climate and Documentary Data	https://link.springer.com/article/10.1007/s10346-024-02413-7				
15.				Wu, Jinhua, Chengdu Cao, Liang Fei, Xiangyang Han, Yuli Wang, and Ting On Chan	A Hybrid Framework Integrating Past Decomposable Mixing and Inverted Transformer for GNSS-Based Landslide Displacement Prediction	Sensors, 25(19): 6041, in the special issue Structural Health Monitoring and Smart Disaster Prevention, 2025. https://www.mdpi.com/1424-8220/25/19/6041 https://doi.org/10.3390/s25196041	10			
16.				Jérémie Tuganishuri, Chan-Young Yune, Gihong Kim, Seung Woo Lee, Manik Das Adhikari, Sang-Guk Yum	Prediction of the Volume of Shallow Landslides Due to Rainfall Using Data-driven Models	Natural Hazards and Earth System Sciences, 25(4), 1481-1499, 2025. https://nhess.copernicus.org/articles/25/1481/2025/nhess-25-1481-2025.html	10			
17.				Louis Bouchard, Seulgi Moon	Admissibility of Solitary Wave Modes in Long-runout Debris Flows	Physical Review E,112(5), 055112 – 055134, editor American Physical Society, 2025 https://journals.aps.org/pre/abstract/10.1103/6kxj-4vpq https://doi.org/10.1103/6kxj-4vpg	10			
18.				Xiu Xue, Mastura Azmi	Analysis of the Causes of Deformation and Failure of Traction-type Slopes: A Case Study of Slope on Tianxi Highway in Guangxi, China	GEOMATE Journal 29 (134):159-68, 2025. https://geomatejournal.com/geomate/article/view/5156	10			
19.				Dou Zhiyi, Edore Akpokodje, Yuelin He, Yuxin Liu, Zixuan Ni, Chang'an Xu, Muhammad Aslam, Meng Tang	DINOv3-Driven Semantic Segmentation for Landslide Mapping in Mountainous Regions	Sensors, 26(2): 406, 2026. https://doi.org/10.3390/s26020406	10			
20.				M.B Ibrahim, S.A. Salisu, A.A. Musa, B. Abussalam, S.M. Hamza	Framework for the Identification of Shallow Ground Movement in Modified Slopes (An Expert Opinion)	IOP Conference Serries: Earth Environment Science 1064, 012055 https://iopscience.iop.org/article/10.1088/1755-1315/1064/1/012055/meta		10		
21.				D Arisanty, K P Hastuti, A N Saputra, M Muhaimin, F A Setiawan	Characteristic of Mass Movement in Riam Kanan Watershed, Indonesia	IOP Conference Series: Earth and Environmental Science, 4th IGEOS: International Geography Seminar 2020 29/09/2020 - 30/09/2020 Online, Volume 1089, 2022 https://iopscience.iop.org/article/10.1088/1755-1315/1089/1/012001		10		
22.				Yunara D. Triana, Iskandar Iskandar, M. Nizar Firmansyah, Pamela Pamela	Faktor geologi dan mekanisme gerakan tanah di Indonesia Geological factors and landslides mechanisms in Indonesia	Bulletin Vulkanologi dan Bencana Geologi, 14(2), 2020 https://vsi.esdm.go.id/bvbg/index.php/buletin/article/view/53			10	
23.				SP Pradhan, Tariq Siddique	Mass Wasting: An Overview	Landslides: Theory, Practice and Modelling. Advances, Natural and Technological Hazards Research, Springer, 3-20 (Part of the *Advances in Natural and Technological Hazards Research* book series, vol. 50), 2019 https://link.springer.com/chapter/10.1007/978-3-319-77377-3_1			10	
24.				Ogbonnaya Igwe, Chuku Okoro Una	Landslide Impacts and Management in Nanka Area, Southeast Nigeria	Geoenvironmental Disasters, **6**(5), Editor Springer Open, 2019. https://geoenvironmental-disasters.springeropen.com/articles/10.1186/s40677-019-0122-z			10	
25.				Mihai Ciprian Mărgărint, Mihai Niculiţă	Landslide Type and Pattern in Moldavian Plateau, NE Romania	Landform Dynamics and Evolution in Romania, Springer, 271-304 (Part of the *Geography* book series, Radoane M, Vespremeanu-Stroe A (eds), 2017 https://link.springer.com/chapter/10.1007/978-3-319-32589-7_12			10	
26.				Cătălina Mihaela Grădinaru, Adrian Alexandru Șerbănoiu	Managementul materialelor ecologice de construcții. Analiza utilizării unor agregate ușoare de origine vegetală ca materie primă în producerea betonului	Editura „Bioflux" Cluj-Napoca, 2019 http://www.editura.bioflux.com.ro/docs/Managementul_materialelor_ecologice_de_constructii_Gradinaru_Serbanoiu.pdf			10	
27.				Ali Jahanfar, Brajesh Dubey, Bahram Gharabaghi, Saber Bayat Movahed	Landfill Failure Mobility Analysis A Probabilistic Approach	International Journal of Environmental, Chemical, Ecological, Geological and Geophysical Engineering, 10(5), 2016 https://www.researchgate.net/profile/Bahram-Gharabaghi/publication/304460399_Landfill_Failure_Mobility_Analysis_A_Probabilistic_Approach/links/576ff69c08ae10de639c06b8/Landfill-Failure-Mobility-Analysis-A-Probabilistic-Approach.pdf			10	
28.				Ramashray Prasad	Landslide Taxonomy and Vulnerability in Eastern Bhutan	Sherub Doenme: The Research Journal of Sherubtse College, 10, 2010 http://202.144.134.241/index.php/sherub/article/view/7			10	
29.				Ramashray Prasad, Sangay Dorji	Earthquake and Landslide Vulnerability; Some Selected Studies from Bhutan	The Research Journal of Sherubtse College, Vol 11, 2011, pp.23-31 http://jr.sherubtse.edu.bt/index.php/sherub/article/view/16/14			10	
30.				Singye Namgyel, Phub Gyem, R. Balamurugan, Sonam Wangmo	GNH: Values and Practices at Sherubtse College	Sherub Doenme: The Academic Journal of Sherubtse College, vol 10(1&2), 2010 http://jr.sherubtse.edu.bt/index.php/sherub/article/view/9			10	
31.				JE Tay, OS Selaman	A Study on the Rainfall and Landslides Along Sarawak Road	Journal of Civil Engineering, Science and Technology, 2(1), 2011			10	

					Using the Antecedent Rainfall Analysis	http://publisher.unimas.my/ojs/index.php/JCEST/article/view/80				
32.				S Kumar, SS Choudhary, A Burman	The Effect of Slope Height and Angle on the Safety Factor and Modes of Failure of 3D Slopes Analysis Using Limit Equilibrium Method	Beni-Suef University Journal of Basic Applied Science, 12(84), 2023. https://doi.org/10.1186/s43088-023-00423-3 https://link.springer.com/article/10.1186/s43088-023-00423-3			10	
33.				Camelia B. Abrar, Ashar M. Lubis, Darmawan I. Fadli, Arya J. Akbar, Rida Samdara	Mapping Landslide Vulnerability using Machine Learning Approach along the Taba Penanjung Kepahiang Road, Bengkulu Province	Geoplanning: Journal of Geomatics and Planning, 11(1), 2024, E-ISSN: 2355-6544 https://ejournal.undip.ac.id/index.php/geoplanning/article/view/53381			10	
34.				Aeathy Krishnan., Rajaneesh A., Krishnapriya V.K., & Sajinkumar K.S.	Analyzing the Effects of Eco-DRR Practices on Slope Stability in a Landslide-prone Transport Corridor in the Western Ghats, India.	International Journal of Disaster Studies and Climate Resilience, 1(1 Jan-Jun 2025), 35–46. 2025. https://doi.org/10.64866/j.ijdscr.2025.10004			10	
35.				Budhi Setiawan, Zamsyar Giendhra Fad, Jonathan Mulia	Cumulative Rainfall Departure Approach to Estimate Probability of Landslide as Impact of Climate Change	International Symposium on Sustainable Geosynthetics and Green Technology for Climate Change, Bangkok, Thailand, 20-21 June 2012, 391-400, Printed by Curran Associates, Inc., 2014. http://www.proceedings.com/20482.html https://www.researchgate.net/publication/294091457_CUMULATIVE_RAINFALL_DEPARTURE_APPROACH_TO_ESTIMATE_PROBABILITY_OF_LANDSLIDE_AS_IMPACT_OF_CLIMATE_CHANGE				10
36.				Dounia Amrani	Numerical Modeling for the Stabilization of a Landslide	The 1ST International Congress on Advances in Geotechnical Engineering and Construction Management (ICAGECM'19) 9-10 December, 2019/Skikda-Algeria https://www.researchgate.net/publication/343112347_Volumel_international_congress_at_university_of_skikda				10
37.				Dounia Amrani	Numerical Modeling of Risks of Natural Landslides Stabilized by Reinforcement Systems	The 4th International Conference on Geotechnical Engineering. New Developments in Geomechanics and Georisk, Hammamet, Tunisia, 9-11 March 2020 https://www.researchgate.net/profile/Mounir-Bouassida/publication/340443274_Proceedings_of_the_4th_International_Conference_on_Geotechnical_Engineering_9-11_March_2020_Hammamet_Tunisia/links/5f7cd426458515b7cf6c4d05/Proceedings-of-the-4th-International-Conference-on-Geotechnical-Engineering-9-11-March-2020-Hammamet-Tunisia.pdf				10
38.				Abdelkader Moussi, Noamen Rebai	Conception et modélisation d'un SIG WEB 3D pour la planification urbaine. Etude de cas Siliana - Tunisia	The 4th International Conference on Geotechnical Engineering, Hammamet (Tunisia), 9-11 March 2020 https://www.researchgate.net/publication/355163548_Conception_et_modelisation_d%27un_SIG_WEB_3D_pour_la_planification_urbaine_Etude_de_cas_Siliana_-_Tunisia				10
39.				Dedy Miswar, Endro. P. Wahono, Aristoteles, Agus Sutyatna, Yarmaidi, Riyan Yoga Darmawan, Wan Abbas Zakaria, I Gede Sugiyanta	The Landslide Spatial Modelling in Limau District, Tanggamus Regency	Universitas Lampung International Conference on Social Sciences (ULICoSS), Advances in Social Science, Education and Humanities Research, 628, Atlantis Press, 2021. https://www.atlantis-press.com/proceedings/ulicoss-21/125968217				10
40.				Dounia Amrani, Chafia Merah, Fethi Baali	Assessment and Stabilization of Natural Landslide Hazards by a Reinforcement System	Conference of the Arabian Journal of Geosciences CAJG 2019: Research Developments in Geotechnics, Geo-Informatics and Remote Sensing, 39–41, 2022 https://www.cajg.org/2019				10
41.	**Ancuța Rotaru**, Chavdar Kolev	Addressing Issues of Geoenvironmental Risks in Dobruja, Romania/Bulgaria,	Environmental Engineering and Management Journal, 9(7): 961-969, 2010	Viorel-Ilie Arghiuş, Corina Arghiuş, Alexandru Ozunu, Eugen Nour, Gheorghe Roşian, Liviu-Octavian Muntean	The Relation between the Landslide Activity and Irregular Rainfall and Snowmelt in the Codrului Hills, Romania	Environmental Engineering and Management Journal, 10(1): 3-6, 2011. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol10/no1/3_17_Arghius_11.pdf	10			
42.				Viorel Arghiuş, Camelia Botezan, Andra Cristina Gagiu, Ioanna Samara, Francisc Senzaconi, Alexandru Ozunu	Normalized Economical Flood Damages in Romania during 2000-2009	Environmental Engineering and Management Journal, 10(1): 17-21, 2011. http://www.academia.edu/download/30853023/5_18_Arghius_11.pdf	10			
43.				Rashid Burtiev	Evaluation of Seismic Hazards from Several Seismic Zones	Environmental Engineering and Management Journal, 11(12): 2141-2150, 2012 http://s3.amazonaws.com/academia.edu.documents/30733984/3_688_Burtiev_12.pdf?AWSAccessKeyId=AKIAJ56TQJRTWSMTNPEA&Expires=1388269489&Signature=UQTcTt8xaDYPAhXgmvMNcd3Nixc%3D&response-content-disposition=inline	10			
44.				Yasemin Erbil, Selen Durak, Nilufer Akinciturk	A Tool to Prepare a Database for Reinforced Concrete Buildings in Seismic Risk Regions	Environmental Engineering and Management Journal, 11(9): 1573-1580, 2012. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol11/no9/6_68_Erbil_11.pdf	10			

45.				Raluca - Mihaela Maftei, Constantina Filipciuc, George Vina	Why It Is So Difficult to Assess Landslides Hazard and Risk in Romania?	Environmental Engineering and Management Journal, 11(12): 2223-2232, 2012. http://www.researchgate.net/publication/259702222_12_697_Maftei_12_Bacau/file/ef31752d625ebb4777.pdf	10			
46.				Dragoș Toma-Dănilă	Real-time Earthquake Damage Assessment and GIS Analysis of Two Vulnerable Counties in the Vrancea Seismic Area, Romania	Environmental Engineering and Management Journal, 11(12): 2265-2274, 2012. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol11/no12/17_702_Toma-Danila_12.pdf	10			
47.				Elena Nechita, Carmen-Violeta Muraru, Mihai Talmaciu	A Bayesian Approach for the Assessment of Risk Probability. Case Study for Digital Risk Probability	Environmental Engineering and Management Journal, 11(12): 2249-2256, 2012. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol11/no12/15_700_Nechita_12.pdf	10			
48.				Gheorghe Marmureanu, Alexandru Marmureanu, Carmen Ortanza Cioflan, Constantin Ionescu	Essential Tools to Mitigate Vrancea Strong Earthquakes Effects on Moldavian Urban Environment	Environmental Engineering and Management Journal, 12(1): 65-79, 2013. http://infp.infp.ro/bigsees/Docs/ESSENTIAL%20TOOLS%20TO%20MITIGATE%20VRANCEA%20STRONG%20EARTHQUAKES%20EFFECTS%20ON%20MOLDAVIAN%20URBAN%20ENVIRONMENT.pdf	10			
49.				Gheorghe Romanescu, Cristian Stoleriu	Causes and Effects of the Catastrophic Flooding on the Siret River (Romania) in July–August 2008	Natural hazards, 69(3): 1351-1367, Published by Springer Nature, 2013. http://link.springer.com/article/10.1007/s11069-012-0525-6#page-1	10			
50.				Alexei Gvishiani, Mikhail Dobrovolsky, Sergey Agayan, Boris Dzeboev	Fuzzy-based Clustering of Epicenters and Strong Earthquake-prone Areas	Environmental Engineering and Management Journal, 12(1): 1-10, 2013. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol12/no1/1_784_Gvishiani_12.pdf	10			
51.				Eugenia Grecu	New Technologies - Between Business and Environmental Protection in Romania	Environmental Engineering and Management Journal, 13(8): 1873-1879, 2014. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no8/Full/3_162_Grecu_14.pdf	10			
52.				Gianina Maria Cojoc, Gheorghe Romanescu, Alina Tîrnovan	Exceptional Floods on a Developed River: Case Study for the Bistrita River from the Eastern Carpathians (Romania)	Natural Hazards, 77(3): 1421–1451, Published by Springer Nature, 2015. https://link.springer.com/article/10.1007/s11069-014-1439-2	10			
53.				Ionica Oncioiu, Anca Gabriela Petrescu, Eugenia Grecu, Marius Petrescu	Optimizing the Renewable Energy Potential: Myth or Future Trend in Romania	Energies, 10(6), 759, 2017 http://www.mdpi.com/1996-1073/10/6/759	10			
54.				Ramashray Prasad	Landslide Taxonomy and Vulnerability in Eastern Bhutan	Sherub Doenme: The Research Journal of Sherubtse College, 10, 2010. http://202.144.134.241/index.php/sherub/article/view/7			10	
55.				Singye Namgyel, Phub Gyem, R. Balamurugan, Sonam Wangmo	GNH: Values and Practices at Sherubtse College	Sherub Doenme: The Academic Journal of Sherubtse College, vol 10(1&2), 2010. http://jr.sherubtse.edu.bt/index.php/sherub/article/view/9			10	
56.				Ramashray Prasad, Sangay Dorji	Earthquake and Landslide Vulnerability; Some Selected Studies from Bhutan	The Research Journal of Sherubtse College, Vol 11, pp.23-31, 2011. http://jr.sherubtse.edu.bt/index.php/sherub/article/view/16/14			10	
57.				JE Tay, OS Selaman	A Study on the Rainfall and Landslides Along Sarawak Road Using the Antecedent Rainfall Analysis	Journal of Civil Engineering, Science and Technology, 2(1), 2011. http://publisher.unimas.my/ojs/index.php/JCEST/article/view/80			10	
58.				Ioana-Delia Miftode, Gheorghe Romanescu	Analysis of Flash Floods Occurred and Registered at the Darmanesti Hydrometric Station within the Uz Hydrographic Basin	3rd International Conference - Water resources and wetlands, 8-10 Sept. 2014 Tulcea, Romania; Editors: P. Gâştescu, P. Bretcan; ISSN: 2285-7923, 133-140 http://www.limnology.ro/wrw2016/proceedings.html		10		
59.				Ioana-Delia Miftode, Gheorghe Romanescu	The Spatio-temporal Variability of Maximum Flow in the Uz Hydrographical Basin	Air and Water Components of the Environment, Cluj-Napoca, 125-133, 2016. https://doaj.org/article/b13ff7e5f17b41f79cda4d266d9f1b74				10
60.	**Ancuța Rotaru**, Paulică Răileanu	Groundwater Contamination from Waste Storage Works	Environmental Engineering and Management Journal, 7(6), 2008	AM Şchiopu, BM Robu, I Apostol, Maria Gavrilescu	Impact of Landfill Leachate on Soil Quality in Iasi County	Environmental Engineering and Management Journal, 8(5): 1155-1164, 2009. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol8/no5/36_007_Schiopu.pdf	10			
61.				Gheorghe Romanescu, Ioan Cojocaru	Hydrogeological Considerations on the Western Sector of the Danube Delta – A Case Study for the Caraorman and Saraturile Fluvial-marine Levees (with Similarities for the Letea Levee)	Environmental Engineering and Management Journal 9(6): 795-806, 2010. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol9/no6/9_205_Romanescu.pdf	10			
62.				Violeta Herea	Policy and Strategy for Improving Sustainable Social Development Programmes	Environmental Engineering and Management Journal, 9(6): 861-868, 2010. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol9/no6/21_6_Herea_10.pdf	10			
63.				Francesca A.Sollai, Paolo Zucca, Antonio Rescigno, Emil Dumitriu, Enrico Sanjust	Sporobolomyces Salmonicolor as a Tool for Nitrate Removal from Wastewaters	Environmental Engineering and Management Journal 11(8): 1455-1460, 2012. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol11/no8/12_279_Sollai_10.pdf	10			

64.				Ionuț Minea, Ion Craciun	Simulation Models to Evaluate the Groundwater Resources in the Bahlui River Basin, Romania	Journal of Environmental Protection and Ecology, 13(3): 1600–1607, 2012. https://docs.google.com/a/jepe-journal.info/viewer?a=v&pid=sites&srcid=amVwZS1qb3VybmFsLmluZm98amVwZS1qb3VybmFsfGd4OjRiNzBjYmUyMDgxYmNjNjk	10			
65.				G Pavelescu, L Ghervase, C Ioja, S Donțu	Spectral Fingerprints of Ground-water Organic Matter in Rural Areas	Romanian Reports in Physics, 65(3): 1105–1113, 2013. http://www.rrp.infim.ro/2013_65_3/A43.pdf	10			
66.				Oana-Cristina Modoi, Zoltán Török, Alexandru Ozunu, Carmen Roba	Environmental Risks Due to Heavy Metal Pollution of the Water Resources in the Area of Mining Waste Facilities: Baia Mare Area, Nord West Part of Romania	Environmental Engineering and Management Journal, 13(9), 2325-2336, 2014. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no9/Full/26_348_Modoi_14.pdf	10			
67.				Mohammad Mahdi Azadegan, Mohammad Reza Alavi Moghaddam, Reza Maknoon	Public Awareness and Performance Regarding Nitrate Pollution in Nitrate-polluted Area of Tehran, Iran	Environmental Engineering and Management Journal, 13(3): 611-617, 2014. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no3/13_575_Azadegan_11.pdf	10			
68.				Andrea Farsang, Tivadar M. Tóth, Kitti Balog	Environmental Risks of Waste Thermal Water Disposal: Long-term Effects of Thermal Water Seepage on Different Soil Types	Environmental Engineering and Management Journal, 14(5): 1217-1229, 2015. publicatio.bibl.u-szeged.hu/5629/1/2900132.pdf	10			
69.				Li He; Wen Ze Yun; Qi Yang; Ai Li Yang; Guo He Huang; Hong Wei Lu	A Fractional Fuzzy Simulation Method for Predicting Dissolved Toluene and Oxygen Concentrations in Aquifers under Microbial Attenuation	Environmental Engineering & Management Journal, 51(8): 1801-1811, 2016. http://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=15829596&AN=119260391&h=%2bm2fVyBeheAfF7ETzzv5TgVefEv8qytSKVsC5MFcUqgX1tYxeI8%2bUeY0V7jHSmj4VwBJftUvfQ81pVKU25qZzw%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15829596%26AN%3d119260391	10			
70.				Max R. Lambert, Geoffrey S.J. Giller, David K Skelly, Richard G Bribiescas	Septic Systems, but Not Sanitary Sewer Lines, are associated with Elevated Estradiol in Male Frog Metamorphs from Suburban Ponds	General and Comparative Endocrinology, 232: 109-114, Published by Elsevier, 2016. http://linkinghub.elsevier.com/retrieve/pii/S0016648016300090?via=sd	10			
71.				Anca Marina Marinov, Irina Marinov, Mihaela Amalia Diminescu	Groundwater Quality in the Proximity of a Polluted Lake: A joint Experimental-modeling Study	Environmental Engineering & Management Journal, 16(5): 1081-1091, 2017. https://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=15829596&AN=124307122&h=Ud8iSQiqQNB%2fkqYeInyiir5iT4c7WAdyBdnrq0Lo75qzaiKoPFdpfSsqfG%2bGAT5uAK6uxSps9AlE%2bLRpEkx54g%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15829596%26AN%3d124307122	10			
72.				Mihaela Amalia Diminescu, Anca Marina Marinov, Gabriela Elena Dumitran, Liana Ioana Vuta	Experimental Laboratory Studies on Capillary Fringe Behavior	Environmental Engineering and Management Journal, 16(3): 581-586, 2017. https://www.researchgate.net/publication/319312509_Experimental_laboratory_studies_on_capillary_fringe_behavior	10			
73.				Mina Parvizishad, Arash Dalvand, Amir Hossein Mahvi, Fatemeh Goodarzi	A Review of Adverse Effects and Benefits of Nitrate and Nitrite in Drinking Water and Food on Human Health	HealthSCOPE, 6(3):e14164, 2017. doi: 10.5812/jhealthscope.14164 https://cdn.neoscriber.org/cdn/serve/313ed/ac1694cee1f235ecdb67a3006c2b62e86aab222d/healthscope-06-03-14164.pdf	10			
74.				Tamás Mester, György Szabó, Eva Bessenyei, Gergö Karancsi, Norbert Barkóczi, Dániel Balla	The Effects of Uninsulated Sewage Tanks on Groundwater. A Case Study in an Eastern Hungarian Settlement	Journal of Water and Land Development, 33(1), 2017. https://content.sciendo.com/view/journals/jwld/33/1/article-p123.xml	10			
75.				Edina Szekeres, Cecilia Maria Chiriac, Andreea Baricz, Tiberiu Szőke-Nagy, Ildiko Lung, Maria-Loredana Soran, Knut Rudi, Nicolae Dragoș, Cristian Coman	Investigating Antibiotics, Antibiotic Resistance Genes, and Microbial Contaminants in Groundwater in Relation to the Proximity of Urban Areas	Environmental Pollution, Published by Elsevier, 236: 734-744, 2018. https://www.sciencedirect.com/science/article/pii/S0269749117343543	10			
76.				Cristina L. Popa, Petre Bretcan, Cristiana Rădulescu, Dănuț Tanislav, Simona I. Dontu, Ioana-Daniela Dulama	Spatial Distribution of Groundwater Quality in Connection with the Surrounding Land Use and Anthropogenic Activity in Rural Areas	Acta Montanistica Slovaca, 24(2), 2019, 73-87. https://actamont.tuke.sk/pdf/2019/n2/1popa.pdf	10			
77.				Doru Bănăduc, Michael Joy, Horea Olosutean, Sergey Afanasyev, Angela Curtean-Bănăduc	Natural and Anthropogenic Driving Forces as Key elements in the Lower Danube Basin–South-Eastern Carpathians–North-Western Black Sea Coast	Environmental Sciences Europe, 32, Published by Springer Open, 2020. https://doi.org/10.1186/s12302-020-00348-z	10			

					Area Lakes: A Broken Stepping Stones for Fish in a Climatic Change Scenario?					
78.				F.Pinakidou, M.Katsikini, E.C. Paloura	Immobilization of Pb in Vitrified and Devitrified Industrial Wastes: Evaluation of Structural Stability Using XAFS Spectroscopies	Journal of Non-Crystalline Solids, Vol.563, July 2021, 120804 https://www.sciencedirect.com/science/article/abs/pii/S0022309321001630	10			
79.				D. Balla, M. Zichar, E. Kiss, G. Szabó, T. Mester	Possibilities for Assessment and Geovisualization of Spatial and Temporal Water Quality Data Using a WebGIS Application.	ISPRS International Journal of Geo-Information, Special Issue "Recent Advances in Web GIS Architectures and Applications", 2022. https://www.mdpi.com/2220-9964/11/2/108	10			
80.				J.N. Ugbebor, U.B. Ntesat	Effects of Septic Tank Proximity to Boreholes on groundwater contamination at Igwuruta, Rivers State, Nigeria	International Journal of Engineering Science (IJES), 11(4), 10-17, 2022 https://www.theijes.com/papers/vol11-issue4/B1104011017.pdf	10			
81.				F. Mchiouer, H.E. Ouarghi, Y. Elyousfi, M. Abourrich	Hygienic Quality Assessment of Well and Spring Water: A Case Study of the Region of Al-Hoceima (Morocco Northern)	Environmental Engineering and Management Journal 21(3), pp. 353-364, 2022 http://www.eemj.icpm.tuiasi.ro/pdfs/vol21/no3/2_143_Mchiouer_21.pdf	10			
82.				Talieh Abdolkhaninezhad, Monavari Masoud, Khorasani Nematollah, Robati Maryam, Farsad Forogh	Analysis Indicators of Health-Safety in the Risk Assessment of Landfill with the Combined Method of Fuzzy Multi-Criteria Decision Making and Bow Tie Model	Sustainability, 14(22):154652022, Published by MDPI, 2022 https://doi.org/10.3390/su142215465 https://www.mdpi.com/2071-1050/14/22/15465	10			
83.				Dániel Balla, Emőke Kiss, Marianna Zichar, Tamás Mester	Evaluation of Groundwater Quality in the Rural Environment Using Geostatistical Analysis and WebGIS Methods in a Hungarian Settlement, Bárand	Environmental Science and Pollution Research, 31: 57177-57195, 2024. https://doi.org/10.1007/s11356-023-28627-1 https://link.springer.com/article/10.1007/s11356-023-28627-1	10			
84.				V.V. Sasane, S.N.Lohote	Assessment of Groundwater Quality around Solid Waste Dumping Site at Uruli Devachi, Pune, Maharashtra	International Journal for Research in Technological Studies, ISSN: - Applied (Online) Vol-1, Issue - 1, Dec 2013. http://www.ijrts.com/downloads/130101002.pdf			10	
85.				Fatin Samara, Tarig A. Ali, Jenny Haverila, Sandra Knuteson	Investigation of Fecal Contamination of Groundwater and Surface Water at Al Wasit Nature Reserve, Sharjah, United Arab Emirates	Asian Journal of Microbiology, Biotechnology and Environmental Sciences 18(1): 35-45, 2016. https://www.researchgate.net/publication/298286463_Investigation_of_Fecal_Contamination_of_Groundwater_and_Surface_Water_at_Al_Wasit_Nature_Reserve_Sharjah_United_Arab_Emirates			10	
86.				Mohsen Azizi, Abbas Khashei, Mehdi Dastoran	Evaluation of Groundwater Pollution Caused by Leakage of Leachate Produced Landfill Using Numerical Model	Journal of Research in Environmental Health, **3**(3) - Serial Number 11:.187-197, 2018 http://jreh.mums.ac.ir/article_10148.html			10	
87.				Janneth Torres-Agredo, Alejandra Narváez-Legarda, Robert Sánchez-Cano, Luisa Fernanda Mosquera-Idrobo	Vitrification Process to Stabilize a Smelting Slag: Preliminary Study	Ingenieria y competitividad, 24(2), 2022 – DOI: 10.25100/iyc.v24i2.11333 https://revistaingenieria.univalle.edu.co/index.php/ingenieria_y_competitividad/%20article/view/11333			10	
88.				Purity Kirori, Viviene Matiru, Joseph Mutai	Factors Associated with Bacterial Contamination of Shallow Well Water Sources. Case Study of Juja Hostels Kiambu County	Journal of Agriculture, Science and Technology, 21(4), 2022 https://www.ajol.info/index.php/jagst/article/view/233671			10	
89.				Jeyaragash Danaraj, Uthirakrishnan Ushani, Sybiya Vasantha Packiavathy, Jeba Sweetly Dharmadhas, Tamilarasan Karuppiah, S. Anandha Kumar, E. S. Aooj	Climate Change Impacts of Nitrate Contamination on Human Health	Climate Change Impacts of Nitrate Contamination on Human Health. In: Climate Change Impact on Groundwater Resources, Panneerselvam, B., Pande, C.B., Muniraj, K., Balasubramanian, A., Ravichandran, N. (eds), pp 257–278, Springer, Cham, 2022 https://link.springer.com/chapter/10.1007/978-3-031-04707-7_14			10	
90.				Talieh Abdolkhani Nezhad, Seyed Masoud Monavari	Risk Management of Waste Landfill in Operation Phase with Bow-tie Technique (Case Study: Saravan City of Rasht)	Journal of Research in Environmental Health, 9(1), 2023 https://doi.org/10.22038/jreh.2023.67538.1546 https://jreh.mums.ac.ir/article_22544_en.html			10	
91.				Shraddha Pandey, S.S. Dhuria, Gayatri Dev	Environmental Risks Due to Heavy Metal Pollution of Water Resulted From Coal Mining Wastes in Korba Chhattisgarh, India	Ecology Environment and Conservation, 29(4), pp.1704-1708, 2023, ISSN 0971–765X http://doi.org/10.53550/EEC.2023.v29i04.040			10	
92.				Dániel Balla, Emőke Kiss, Marianna Zichar, Mester Tamás	Assessment of spatial and temporal changes in groundwater quality in a rural municipality using the CCME WQI water quality indicator	Journal of Landscape Ecology, 22 (1), pp.3-, 2024 https://doi.org/10.56617/tl.4964			10	

93.				Grace Martins, Peter Mafimisebi	Impacts of Sewage Wastewater on Groundwater Quality and Health Risk in Makoko, Lagos, Nigeria	Asian Journal of Basic Science & Research, 6(3): pp.100-110, July-September 2024 https://ajbsr.net/data/uploads/4762.pdf			10	
94.				Surendra Roy	Groundwater Contamination: Sources and Remediation Techniques	Water and Energy International 67(8), 2024: 20-24. https://www.indianjournals.com/article/wei-67r-8-003			10	
95.				Camelia Elena Luchian, Andreea Popîrdă, Lucia Cintia Colibaba, Ana Georgiana Popa, Cristina Elena Scuturaşu, Liliana Rotaru, Valeriu V. Cotea	Quantitative Determination of Heavy Metal in Water and Sediment from Lakes in North Moldova, Romania	E-Health and Bioengineering Conference, Iasi, Romania, pp.1-4, 2019. https://ieeexplore.ieee.org/document/8969910/authors				10
96.				Daniel Boicu, Ionuț Minea	A method of Correlating Groundwater Levels with Precipitation	International Scientific Conference GEOBALCANICA, pp.3-14, 2021. http://geobalcanica.org/wp-content/uploads/GBP/2021/GBP.2021.01.pdf				10
97.				Ana M. Petrovic, Vesna Djukic, Boris Radic	Hydrological Modelling of the Toplica Watershed in Addressing New Challenges of Flood Risk Assessment	International Scientific Conference GEOBALCANICA, pp.29-35, 2021. http://geobalcanica.org/wp-content/uploads/GBP/2021/GBP.2021.03.pdf				10
98.	**Ancuța Rotaru**	Geoenvironmental Issues Concerning the Black Sea Basin	International Journal of Energy and Environment, 2010	G. Lericolais, J. Bourget, I. Popescu, P. Jermannaud, T. Mulder, S. Jorry, N. Panin	Late Quaternary Deep-sea Sedimentation in the Western Black Sea: New Insights from Recent Coring and Seismic Data in the Deep Basin	Global and Planetary Change, 103: 232–247, Published by Elsevier, ISSN: 0921-8181, 2013. http://www.sciencedirect.com/science/article/pii/S0921818112000677	10			
99.				Hakan Çınar, Hamdi Alkan	Crustal S-wave Structure beneath Eastern Black Sea Region Revealed by Rayleigh-wave Group Velocities	Journal of Asian Earth Sciences, 115: 273-284 Published by Elsevier, 2016. http://www.sciencedirect.com/science/article/pii/S1367912015301218	10			
100.				Serafeim E.Poulos	The Mediterranean and Black Sea Marine System: An Overview of Its Physico-geographic and Oceano Graphic Characteristics	Earth-Science Reviews, Vol. 200, Elsevier, January 2020 https://www.sciencedirect.com/science/article/pii/S0012825219306348	10			
101.				Gilles Lericolais, Julien Bourget, Stephan Jorry, Irina Popescu, Victor Abreu, Gwenael Jouannic, Germain Bayon	The “Sink” of the Danube River Basin: The Distal Danube Deep-Sea Fan	GCS 032. New Understanding of the Petroleum Systems of Continental Margins of the World: 32nd Annual, GCSSEPM Foundation Bob F. Perkins Research Conference, 32: 701-735. Edited by Norman C. Rosen, Paul Weimer, Sylvia Maria Coutes dos Anjos, Sverre Henrickson, Edmundo Marques, Mike Mayall, Richard Fillon, Tony D'Agostino, Art Saller, Kurt Campion, Tim Huang, Rick Sarg, and Fred Schroeder, ISSN:1544-2462, 2012. https://archimer.ifremer.fr/doc/00316/42695/42273.pdf				10
102.				Daniela Laura Buruiana , Viorica Ghisman, Cristian Dragos Obreja	Microplastic Pollution In The Aquatic Environment, Applying A Case Study: Lower Danube-Black Sea Area - A Review	39th MILAN International Conference on “Advances in Science, Engineering & Technology” (MASET-22) Milan (Italy) March 14-16, 2022, ISBN-978-989-53228-8-6.				10
103.	**Ancuța Rotaru**, Vasile Boboc	A Material Used in Substructure and Roadworks: Physical Characteristics of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania	WSEAS Tansactions on Environment and Development, pp. 427–436, 2010 (ISSN: 1790-5079)	Neha Shreya, Bruno Valentim, Biswajit Paul, Alexandra Guedes, Sílvia Pinho, Joana Ribeiro, Colin R.Ward, Deolinda Flores	Multi-technique Study of Fly Ash from the Bokaro and Jharia coalfields (Jharkhand State, India): A Contribution to Its Use As a Geoliner	International Journal of Coal Geology 152: 25–38, Published by *Elsevier*, 2015. https://www.researchgate.net/publication/284183204_Multi-technique_study_of_fly_ash_from_the_Bokaro_and_Jharia_coalfields_Jharkhand_state_India_A_contribution_to_its_use_as_a_geoliner	10			
104.				Rouba A. Joumblat, Zaher Al Basiouni Al Masri, Joseph Absi, Adel ElKordi	Investigation of Using Municipal Solid Waste Incineration Fly Ash As Alternative Aggregates Replacement in Hot Mix Asphalt	Road Materials and Pavement Design, May 2022 https://doi.org/10.1080/14680629.2022.2071756 https://www.tandfonline.com/doi/abs/10.1080/14680629.2022.2071756	10			
105.				Rouba A. Joumblat, Zaher Al Basiouni Al Masri, Joseph Absi, Adel ElKordi	Investigation of Using Municipal Solid Waste Incineration Fly Ash as Alternative Aggregates Replacement in Hot Mix Asphalt	Road Materials and Pavement Design, 24(5), 1290–1309, 2022. https://www.tandfonline.com/doi/abs/10.1080/14680629.2022.2071756	10			
106.				M.W. Heyns, M. Mostafa Hassan	South Africa Class F Fly Ash for Roads: Physical and Chemical Analysis	Interim: Interdisciplinary Journal, 12(3): 28–41 https://journals.co.za/toc/interim/12/3			10	
107.	**Ancuța Rotaru**, Vasile Boboc, Nicolae Țăranu, Monther Abdelhadi, Andrei Boboc, Oana-Mihaela Banu	The Compressive Behaviour of Aggregates Cemented with Fly Ash Collected from Coal-fired Power Plants	Revista romana de materiale-Romanian journal of materials 49(1): 141-147, 2019	Adrian Volceanov, Enikö Volceanov, Cosmin Mărculescu	Influența adaosului de cenușă de plop și cenușă de salcie asupra proprietăților mortarului de tencuială, Influence of poplar ash and willow ash admixture on plastering mortar properties	Revista romana de materiale-Romanian Journal of Materials, 49(4): 591-600, 2019. http://solacolu.chim.upb.ro/pg591-600.pdf	10			

108.				Fakhryna Hannanee Ahmad Zaidi, Romisuhani Ahmad, Mohd Mustafa Al Bakri Abdullah, Shayfull Zamree Abd Rahim, Zarina Yahya, Long Yuan Li, Ratna Ediati	Geopolymer As Underwater Concreting Material: A Review	Construction and Building Materials, 291: 123276, 2021 https://www.sciencedirect.com/science/article/abs/pii/S0950061821010369 https://www.sciencedirect.com/journal/construction-and-building-materials/vol/291/suppl/C	10			
109.				Chuangmin Li, Qiandong Li, Xik un Ding, Lubiao Liu, Minggu Li, Huihui Li, Lingfeng Wu, Yujie Jiang	Large-Size Macadam Mixture Stabilized with Industrial Solid Waste Fly Ash and Slag Powder: A New Mixture to Improve the Performance of Pavement Base Material	Journal of Materials in Civil Engineering, 37(5), 2025. https://doi.org/10.1061/JMCEE7.MTENG-19249	10			
110.	Monther Abdelhadi, **Ancuţa Rotaru**, Maria Gavrilescu, Nicolae Ţăranu	Compressive Strength Analysis on Problematic Soils Stabilized with Fly Ash in Jordan	Environmental Engineering & Management Journal, 17(8): 1855-1861	Vladana N. Rajakovic-Ognjanovic, Milica Karanac, Jasna Smolar, Ana Petkovsek, Maja Dolic, Jovan Despotovic	Use of Up-flow Percolation Test to Assess the Environmental Properties of Raw and Treated Fly Ash	Environmental Engineering & Management Journal, 18(8): 1781-1788, 2019. http://eemj.eu/index.php/EEMJ/article/view/3935/3873	10			
111.				Dorina Stănciulescu, Carmen Zaharia	Process Water Treatment in a Thermal Power Plant: Characteristics and Sediment/ Sludge Disposal	Environmental Engineering & Management Journal, 19(2): 255-267, 2020. scholar.google.com/scholar?oi=bibs&hl=en&cites=14750187506183316388&as_sdt=5&as_ylo=2020&as_yhi=2020	10			
112.				Fakhryna Hannanee Ahmad Zaidi, Romisuhani Ahmad, Mohd Mustafa Al Bakri Abdullah, Shayfull Zamree Abd Rahim, Zarina Yahya, Long Yuan Li, Ratna Ediati	Geopolymer As Underwater Concreting Material: A Review	Construction and Building Materials, 291: 123276, 2021 https://www.sciencedirect.com/science/article/abs/pii/S0950061821010369 https://www.sciencedirect.com/journal/construction-and-building-materials/vol/291/suppl/C	10			
113.				Wesam Salah Alaloul, Marsail Al Salaheen, Ahmad B.Malkawi, Khalid Alzubi, Abdulnaser M.Al-Sabaeei, Muhammad Ali Musarat	Utilizing of Oil Shale Ash As a Construction Material: A Systematic Review	Construction and Building Materials, 299, September 2021 https://www.sciencedirect.com/science/article/abs/pii/S0950061821016044	10			
114.				Chenglin Shi, Zijian Shi	Investigation on the Properties of Concrete Containing Oil Shale Waste Ash as a Substitute for Cement	Advances in Civil Engineering, vol. 2022, Article ID 4024270, 20 pages, 2022. https://doi.org/10.1155/2022/4024270	10			
115.	Vasile Boboc, **Ancuța Rotaru**, Andrei Boboc	A Material for Substructure and Road Works: Mechanical Characteristics of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania	WSEAS Transactions on Environment and Development 6(6): 437-446	Neha Shreya, Bruno Valentim, Biswajit Paul, Alexandra Guedes, Sílvia Pinho, Joana Ribeiro, Colin R.Ward, Deolinda Flores	Multi-technique Study of Fly Ash from the Bokaro and Jharia Coalfields (Jharkhand State, India): A Contribution to Its Use As a Geoliner	International Journal of Coal Geology, 152(PART B):25-38, 2015. DOI: 10.1016/j.coal.2015.10.006 https://www.sciencedirect.com/science/article/abs/pii/S0166516215300653; https://www.academia.edu/18688481/Multi-technique_study_of_fly_ash_from_the_Bokaro_and_Jharia_coalfields_Jharkhand_state_India_A_contribution_to_its_use_as_a_geoliner	10			
116.				Virendra Kumar Yadav, Madhusudan Hiraman Fulekar	Advances in Methods for Recovery of Ferrous, Alumina, and Silica Nanoparticles from Fly Ash Waste	Ceramics, 3, 384-420, 2020. https://doi.org/10.3390/ceramics3030034	10			
117.				Pinnakarn Techapichetvanich, Meng Chieh Yang, Kran Suknuntha, Napawan Hirunwiroj, Paisan Jittorntam, Apisada Jiso, Aekkacha Moonwiriyakit, Arnatchai Maiuthed, Phisit Khemawoot	Major Toxin Composition of Particulate Matter from a Coal-Fired Power Plant and Its Proteomics-associated Toxico-logical Profiles in the Lungs of Balb/c Mice	Toxicology Reports, 15, 102110, 2025. https://www.sciencedirect.com/science/article/pii/S221475002500229X https://doi.org/10.1016/j.toxrep.2025.102110			10	
118.				Mihai Cruceru, Luminita Popescu, Cristinel Popescu, Cristinel Racoceanu	Possible Uses of Fossil Fuel Combustion Waste in Building Materials Industry	Latest Advances in Biology, Environment and Ecology, ISBN: 978-1-61804-097-8, Proceedings of the 1st International Conference on Health Science and Biomedical Systems, Iasi, Romania, June 2012. https://www.researchgate.net/profile/Mihai_Cruceru/publication/267228835_Possible_uses_of_fossil_fuel_combustion_waste_in_building_materials_industry/links/56f8135708ae38d710a25c48/Possible-uses-of-fossil-fuel-combustion-waste-in-building-materials-industry.pdf				10
119.	**Ancuța Rotaru**, Daniel Oajdea, Pailică Răileanu	Dynamics of a Landslide Surface	WSEAS, Environmental Problems and Development, 2008	V Arad, S Arad, O Bărăiac, L Radermacher	The Stability aAalysis of the Civil Engineering from Oltenia Mining Area	International Journal of Geology, 3(7), 2013, Edited by NAUN http://www.naun.org/main/NAUN/geology/c012004-105.pdf			10	
120.	**Ancuța Rotaru**, Vasile Boboc	Physical Properties of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania–A Cement-like Material for Substructure Works	Proceedings of the International Conference on Risk, 2010	Cătălina Mihaela Helepciuc (Gradinaru), Marinela Bărbuță, Ciocan Vasilică, Șerbănoiu Adrian Alexandru, Andrei Cristian Grădinaru	Health and Environmental Effects of Heavy Metals Resulted from Fly Ash and Cement Obtaining and Trials to Reduce Their Pollutant Concentration by a Process of Combining-exclusion	International Multidisciplinary Scientific GeoConference: Surveying Geology & Mining Ecology Management (SGEM), 17: 441-447, Sofia, 2017. https://search.proquest.com/openview/bf90ac3233e145b6e89bda1eda12d759/1?pq-origsite=gscholar&cbl=1536338		10		

121.				Neha Shreya	Compaction and Hydraulic Conductivity Analysis of Fly ash of B.T.P.S. for the construction of a Natural Geoliner	The 5th international groundwater conference - On the assessment and management of groundwater resources in hard rock systems with special reference to basaltic terrain, Aurangabad (India), INIS 45(32), IGWC Groundwater Research Series 5 (III), December 2012. https://www.researchgate.net/publication/285925873_Compaction_and_Hydraulic_Conductivity_Analysis_of_Fly_ash_of_BTPS_for_the_construction_of_a_Natural_Geoliner				10
122.	Vasile Boboc, **Ancuța Rotaru**, Andrei Boboc	Mechanical Properties of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania–A Cement-like Material for Substructure Works	WSEAS, Proceedings of the International Conference on Risk Management, Assessment and Mitigation, 2010	Cătălin Badea	The Time Behavior of Self Compacting Concrete with Fly Ash	International Multidisciplinary Scientific GeoConference: Surveying Geology & Mining Ecology Management (SGEM), 17: 441-447, Sofia, 2017. https://search.proquest.com/openview/67170cfe4499be82b42d6e0d12044c55/1?pq-origsite=gscholar&cbl=1536338		10		
123.				Viremdra Kumar Yadav, Madhusudan Hiraman Fulekar	Advances in Methods for Recovery of Ferrous, Alumina, and Silica Nanoparticles from Fly Ash Waste	Ceramics, 3: 384-420, 2020 https://www.mdpi.com/2571-6131/3/3/34			10	
124.	Costel Pleșcan, **Ancuța Rotaru**	Aspects Concerning the Improvement of Soils against Liquefaction	Buletinul Institutului Politehnic din Iași, Univ Tehnică „Gheorghe Asachi" din Iaşi, Tomul LVI (LX), Fasc. 3, Secția C-ții. Arh, 39-45	Sanaz Sayehvand, Behzad Kalantari	Use of Grouting Method to Improve Soil Stability Against Liquefaction —A Review	Electronic Journal of Geotechnical Engineering, 17(K): 1559-1566, 2012, ISSN 1089-3032 http://www.ejge.com/2012/JourTOC17K.htm			10	
125.	Giovanni Zanvettor, Marinela Barbuță, **Ancuța Rotaru**, Liliana Bejan	Tensile Properties of Green Polymer Concrete	Procedia Manufacturing Volume 32: 248-252, Published by Elsevier B.V., 2019	Yosra Tammam, Mucteba Uysal, Orhan Canpolat	Effects of Alternative Ecological Fillers on the Mechanical, Durability, and Microstructure of Fly Ash-based Geopolymer Mortar	European Journal of Environmental and Civil Engineering, May 2021, Taylor & Francis Online https://doi.org/10.1080/19648189.2021.1925157	10			
126.				Mostafa Hassani Niaki, Morteza Ghorbanzadeh Ahangari, Matin Pashaian	A Material-independent Deep Learning Model to Predict the Tensile Strength of Polymer Concrete	Composites Communications, 36, 2022, 101400 https://doi.org/10.1016/j.coco.2022.101400 https://www.sciencedirect.com/science/article/pii/S2452213922003424?casa_token=TPSogn8RcjIAAAAA:f1KcYfdmRP3h7xHRqrHKSiyW5VBhLLOwc-W9JEav9LA3mIFg_S7HNmsq4Z6543ITxDR5kSpyEw	10			
127.				Mostafa Hassani Niaki, Morteza Ghorbanzadeh Ahangari	Effect of Adding Polyamide Fiber on the Properties of Polymer Composites	In: Polymer Concretes. Advanced Construction Materials, CRC Press, Taylor and Francis Group https://doi.org/10.1201/9781003326311			10	
128.				Andi Prasetiyo Wibowo, Messaoud Saidani, Morteza Khorami, Mark Tyrer	Fly Ash and Silica in Expanded Polystyrene Concrete: Finding the Research Gap	Advances in Civil Engineering Materials - Selected Articles from 4th International Conference on Architecture and Civil Engineering, Kuala Lumpur, Malaysia, August 19, 2020. https://link.springer.com/chapter/10.1007%2F978-981-33-6560-5_32			10	
129.				Hasan Polat, Meral Ortulu, Ibrahim Alameri	Effect of Adding Polyamide Fiber on the Properties of Polymer Composites	MAS International congress on mathematics-engineering-natural&medical sciences-v, Editors Zeynep AKAR Tolga ÖZBİLEN, Institute Of Economic Development and Social Researches, IKSAD Publishing House, ISBN - 978-605-7875-67-9, Erzurum, Turkey, May 2-5, 2019. https://2793ed39-269b-4a6e-bfbb-1dd53eb9ddcb.filesusr.com/ugd/614b1f_0ab3f84472ab4035855991c08a5a25e7.pdf				10
130.				Manikandaprabhu Sundaramoorthy, Mohamed Shaariq, Dharsan Kathirvel, Ashwin Babu	Mechanical Behaviour of Fiber Reinforced Polymer Concrete (FRPC)	AIP Conference Proceedings, 3187, 020010, 2024 https://doi.org/10.1063/5.0236537				10
131.	Elmalyh Sanaa, Azzeddine Bouyahyaoui, Toufik Cherradi, **Ancuța Rotaru**, Petru Mihai	In-Plane Shear Behavior of Unreinforced Masonry Walls Strengthened with Fiber Reinforced Polymer Composites	Advances in Science, Technology and Engineering Systems, 5(2), 2020: 360–367	Seung-Hwan Son, Jae-Hyoung An, Jun-Hyeok Song, Yu-Sik Hong, Hye-Sook Jang, Hee-Chang Eun	In-Plane Strengthening of Unreinforced Masonry Walls by Glass Fiber-Reinforced Polyurea	Civil Engineering Journal (E-ISSN: 2476-3055; ISSN: 2676-6957), **7**(12), December, 2021. https://www.civilejournal.org/Guideline/12th%20Issue%20(2021).pdf	10			
132.				Richard Badonbok Lyngkhoi, Teiborlang Warjri, Comingstarful Marthong	Experimental Investigation of AAC Masonry Walls Reinforced with Steel Wire Mesh Embedded in Bed and Bed-head Joint Under Axial Compressive Loading	Construction and Building Materials, 392, 132035, 15 August 2023. https://doi.org/10.1016/j.conbuildmat.2023.132035 https://www.sciencedirect.com/science/article/abs/pii/S0950061823017496X	10			
133.				Hashemi, Seyyed Motasam, Ashraf Ayoub	Improved Bond Stress-Slip Relationships for Carbon Fibre-Reinforced Polymer-Strengthened Masonry Triplets	Buildings 14(1), 2024, 257. https://doi.org/10.3390/buildings14010257 https://www.mdpi.com/2075-5309/14/1/257	10			
134.				Sergey Churilov, Elena Dumova-Jovanoska, Veronika Shendova, Lidija Krstevska, Bojan Damchevski, Dime Janchev	Experimental Investigation on Masonry Structural Joint Repointing with Cement-polymer Mortar and Polypropylene Strips	Građevinar, 76(7), 2024. http://www.casopis-gradjevinar.hr/archive/article/3893	10			

135.				Richard Lyngkhoi, Warjri Teiborlang, Marthong Comingstarful	Shear Behaviour of AAC Masonry Reinforced by Incorporating Steel Wire Mesh within the Masonry Bed and Bed-Head Joint	Earthquakes and Structures 26(5): 363–82, 2024. https://www.techno-press.org/content/?page=article&journal=eas&volume=26&num=5&ordernum=4	10			
136.				Chukwuwike Mike Ogwumeh, Dichuan Zhang, Chang-Seon Shon, Deuckhang Lee, Jong Kim	Engineered Experimental Study on Seismic Performance of Unreinforced Masonry Walls Retrofitted with Low-strength Cementitious Composites	Bulletin of Earthquake Engineering, **23**: 2647–2668, 2025 https://doi.org/10.1007/s10518-025-02138-5 https://link.springer.com/article/10.1007/s10518-025-02138-5	10			
137.				Sergey Churilov, Elena Dumova-Jovanoska, Veronika Shendova, Lidija Krstevska, Bojan Damchevski, Dime Janchev	Experimental investigation on masonry structural joint repointing with cement-polymer mortar and polypropylene strips	Građevinar 76: 607-620, 2024 http://www.casopis-gradjevinar.hr/archive/article/3893 https://doi.org/10.14256/JCE.3893.2023			10	
138.	**Ancuța Rotaru**, Florin Bejan, Dalia Almohamad	Sustainable Slope Stability Analysis: A Critical Study on Methods	Sustainability, 14(14), 2022:8847	Mehmet Salih Keskin, Sedat Kezer	Stability of MSW Landfill Slopes Reinforced with Geogrids	Applied Science,**12**(22), 11866, 2022. https://www.mdpi.com/2076-3417/12/22/11866	10			
139.				Sun, Yongshuai, Zhihui Li, Ke Yang, Guihe Wang, Ruilin Hu	Analysis of the Influence of Water Level Change on the Seepage Field and Stability of a Slope Based on a Numerical Simulation Method	Water **15**(2), 216, 2023, https://doi.org/10.3390/w15020216	10			
140.				Wei Cao, Wan Zheng, Li Wenjing, 2023.	Stability of Unsaturated Soil Slope Considering Stratigraphic Uncertainty	Sustainability, **15**(13), 10717, 2023. https://doi.org/10.3390/su151310717	10			
141.				Zhong Junhao, Shihe Zhao, Pengqin Wang, Chuantan Hou	Tunnel Face Stability Considering the Influence of Excess Slurry Pressure	Sustainability, **15**(10), 8230, 2023. https://doi.org/10.3390/su15108230	10			
142.				Inabi Omar, Mustapha Attou, Mostafa Benzaazoua, Mohamed Qachar	Design of Cost-Effective and Sustainable Treatments of Old Landslides Adapted to the Moroccan Road Network: A Case Study of Regional Road R410 Crossing the Rifan Structural Domain	Water **15**(13) , 2423, 2023. https://doi.org/10.3390/w15132423	10			
143.				Vaibhav Samadhiya, Jitesh T. Chavda	Numerical Investigations on Stability of 3D Soil Slopes with Different Boundary Conditions	Indian Geotechnical Journal, 54:1341-1365, Springer, 2023. https://doi.org/10.1007/s40098-023-00811-7 https://link.springer.com/article/10.1007/s40098-023-00811-7	10			
144.				Rajendra Kumar, Kasinathan Muthukkumaran, Chetan Sharma	Technological Advancements and Sustainable Practices in Rock Slope Stability – Critical Review	Physics and Chemistry of the Earth, Parts A/B/C,136, 103699, 2024 https://www.sciencedirect.com/science/article/abs/pii/S1474706524001578?via%3Dihub	10			
145.				Getaneh Bezie, Endalu Tadele Chala, Nagessa Zerihun Jilo, Sisay Birhanu, Kalkidan Kefale Berta, Siraj Mulugeta Assefa, Biruk Gissila	Rock Slope Stability Analysis of a Limestone Quarry in a Case Study of a National Cement Factory in Eastern Ethiopia	Scientific Reports - Nature, **14**, 18541, 2024. https://doi.org/10.1038/s41598-024-69196-8	10			
146.				Refky Adi Nata, Gaofeng Ren, Yongxiang Ge, Ardhymanto Am Tanjung, Fadhilah Muzer, Verra Syahmer	Finite Element Modeling for Stability Assessment of Sedimentary Rock Slopes	Safety, **10**(3): 70, 2024. https://doi.org/10.3390/safety10030070	10			
147.				Songling Han, Changming Wang	Numerical Investigation of Bedding Rock Slope Potential Failure Modes and Triggering Factors: A Case Study of a Bridge Anchorage Excavated Foundation Pit Slope	Applied Sciences, **14**(6): 6891, 2024. https://doi.org/10.3390/app14166891	10			
148.				Syed Saarim Ahmad	Slope Stability Analysis of Opencast Mine Dump Using the Limit Equilibrium Method—A Case Study	Mining, Metallurgy & Exploration**, 41**, pp.2555-2566, 2024. https://doi.org/10.1007/s42461-024-01081-4	10			
149.				Miguel A. Millán, David Mencías-Carrizosa, Alejandro Calle	Sustainability of Discontinuously Supported Slopes in Temporary Shallow Excavations for Building Construction: A Stability Analysis Procedure	Sustainability, 16(23), 10393, 2024. https://www.mdpi.com/2071-1050/16/23/10393	10			
150.				Refky Adi Nata, Gaofeng Ren, Yongxiang Ge, Ahmad Fadhly, Fadhilah Muzer, M. Fajar Ramadhan, Verra Syahmer	The Role of LEM in Mine Slope Safety: A Pre- and Post-Blast Perspective	Safety, 10(4): 101, 2024. https://www.mdpi.com/2313-576X/10/4/101	10			
151.				Yuming Gu, Yunxing Yuan, Kangsheng Xue, Yongming Yin, Sen Lu, Xutong Jiang	A Novel Strength Reduction Method for a Slope Stability Assessment Based on a Finite Element Method	Processes, 12(10): 2273, 2024. https://www.mdpi.com/2227-9717/12/10/2273	10			

152.				Yu Zhou, Zhibo Zang, Angran Tian, Deming Kan, Qiang Tang	Mechanical Reinforcement of Soil by Representative Herbaceous Plants for Slope Protection: A Multi-Factor Analysis and Modified WWM Model Application	Polish Journal of Environmental Studies, 34(4): 4943-4953, 2025. https://www.pjoes.com/pdf-190358-115717?filename=Mechanical%20Reinforcement.pdf	10			
153.				Shih-Meng Hsu, Chun-Chia Hsiung, Yu-Jia Chiu, Yi-Fan Liao, Jie-Ru Lin	Development of Potential Slip Surface Identification Model for Active Deep-Seated Landslide Sites: A Case Study in Taiwan	Geosciences 14(10): 276, 2024. https://doi.org/10.3390/geosciences14100276	10			
154.				Xiaohui Chao, Yu Xu, Yingyi Sun, Honglong Deng	Research on Settlement Control and Slope Stability of Prefabricated Beam Field for High Fill Roadbed in Mountain Areas	Journal of Applied Science and Engineering, 28(4): 783-793, 2025 http://jase.tku.edu.tw/articles/jase-202504-28-04-0011	10			
155.				Eyerusalem Alemayehu, Endalu Tadele Chala, Nagessa Zerihun Jilo, Tiyasha Tiyasha, Belachew Moges	Optimizing Design and Stability of Open Pit sSopes in Tolay Coal Mine, Ethiopia.	Scientific Reports 15, 1570, 2025. https://doi.org/10.1038/s41598-025-86034-7	10			
156.				Weihua Lu, Haozhang Zheng, Yuqi Song, Weizheng Liu, Yongxing Zhang, Zixiang Xu	Impact Analysis of Short-term Heavy Rainfall on Eolian Sand Slope Stability by Visualized Experiments	Journal of Hydrology, 659: 133284, 2025. https://doi.org/10.1016/j.jhydrol.2025.133284 https://www.sciencedirect.com/science/article/pii/S0022169425006225	10			
157.				Sheng Zhang, Li Ding, Rui Yang, Feng Zhang, Chen-Xi Tong	Slope Reliability Analysis Using a Convolutional Neural Networks Surrogate Model with Emphasis on the Nonstationary Spatial Variability of Soil Properties.	International Journal of Geomechanics, 26, 2026. https://doi.org/10.1061/ijgnai.gmeng-11760 https://www.scilit.com/publications/fdaa73d1d8acdca2b2ac66ef84f3e382	10			
158.				Ibrahim Izzah Liyanamadihah, Hashim Nurhanisah, Othman Ainon Nisa, Talib Noorfatekah, Shaharuddin Sarah	Landslide Susceptibility Assessment Using Analytical Hierarchy Process (AHP) in Hulu Selangor	Revue Internationale de Geomatique, 34(1), 2025 https://www.techscience.com/RIG/v34n1/64715 https://doi.org/10.32604/rig.2025.072321	10			
159.				Naresh Katariya, B.S. Choudhary, Mahzad Esmaeili-Falak, A. K. Raina	Optimizing Open-pit Iron Ore Mine Waste Dump Stability with an Increased Height: A Geotechnical Perspective	Geomechanics and Engineering, 40(1), 69-78, 2025 https://doi.org/10.12989/gae.2025.40.1.069 https://www.techno-press.org/content/?page=article&journal=gae&volume=40&num=1&ordernum=7	10			
160.				Hayk Igityan, Elbak Elbakyan, Hayarpi Hakobyan, Vanik Petrosyan, Raffi Karamyan, Ani Gevorgyan	Methodology of Studies for Construction of Water Reservoir Dams in Countries Prone to Landslide Hazard	Civil Engineering Journal-Tehran, 11(1): 279-289, 2025 https://doi.org/10.28991/CEJ-2025-011-01-016 https://www.civilejournal.org/index.php/cej/article/view/5489	10			
161.				Demoze Kasahun, Kelifa Shirago	Effects of Geogrid Reinforcement on Slope Stability of Different Soils Using Finite Element Analysis	World Journal of Engineering, Vol. 22(7), 2025. https://doi.org/10.1108/WJE-03-2025-0129	10			
162.				V.F. Akopyan, B.M. Yazyev, A.S. Chepurnenko	Calculation of Soil Slope Stability Using Nonlinear Optimization Methods	Geology and Geophysics of Russian South, **13**(1), 2023. http://geosouth.ru/article/view/803			10	
163.				W.A. Wahab, R.C. Omar, Taherah M. Taher, R. Roslan, I.N.Z. Baharuddin, N.H.N. Khalid, A.A.M. Isa, N.A. Zarime, Badariah Solemon, Abd Rasid Jaapar	Resistivity Survey for Slope Zonation in Landslide Risk Study	Water Resources Development and Management, Springer, Singapore, 2023. https://doi.org/10.1007/978-981-99-3708-0_17 https://link.springer.com/chapter/10.1007/978-981-99-3708-0_17			10	
164.				Dahal Alok, Rajiv Khatiwada, Basant Lekhak	Green Infrastructure Solutions for Slope Stabilization Along the Kathmandu Terai/Madhesh Fast Track Road Project	KTFT Journal, **4**(1):158-65, 2024. https://doi.org/10.3126/ktftj.v4i1.70440			10	
165.				Amandyk Tuleshov, Bagdat Teltayev, Aizhan Muta	Assessment of a Slope Stability Using the Classical and Modified Circular Cylindrical Sliding Surface Methods	Engineered Science, 2025, **38**, 1876 https://www.espublisher.com/journals/articledetails/1876			10	
166.				O.O. Sdvyzhkova, S.O. Olishevska, O.M. Shashenko, B.V. Morklyanyk	Analysis of A Soil Slope Stability Based on Modified Failure Criterion	Naukovyi Visnyk Natsionalnoho Hirnychoho Universytetu, (4): 090 – 097, 2025 https://doi.org/10.33271/nvngu/2025-4/090			10	
167.				Rudy Anarta, Refky Adi Nata, Fadhilah, Verra Syahmer	Sustainable Slope Stability Assessment and Landslide Risk Mitigation Using Integrated Geophysical and Geotechnical Approaches in the Atika Tunggal Mandiri Mining Area	PaperASIA, 41(4b): 447–459, 2025. https://doi.org/10.59953/paperasia.v41i4b.497 https://www.compendiumpaperasia.com/index.php/cpa/article/view/497			10	

168.				Zurab Varazashvili, Zurab Kakulia, Irakli Ramishvili, George Gaprindashvili, Goga Chakhaia, George Tlashadze, Dali Chutkerashvili	Research of Landslide Areas Developed in the Influence Zone of the Right Slope of the Zhinvali Reservoir to Determine Their Dynamics for the Purpose of Traffic Safety	Journal of Geoscience and Environment Protection, 13(2): 10-21, 2025 https://www.scirp.org/pdf/gep2025132_22173205.pdf			10	
169.				W. A. Wahab, R. C. Omar, Taherah M. Taher, R. Roslan, I. N. Z. Baharuddin, N. H. N. Khalid, A. A. M. Isa, N. A. Zarime, Badariah Solemon, Abd Rasid Jaapar	Resistivity Survey for Slope Zonation in Landslide Risk Study	Part of the book series: Water Resources Development and Management ((WRDM), Included in the following conference series: International Conference on Dam Safety Management and Engineering, Springer, Singapore, 2024. https://doi.org/10.1007/978-981-99-3708-0_17				10
170.	Dashnor Hoxha, Bahrim Ismail, **Ancuța Rotaru**, David Izabel, Thibeau Renaux	Assessment of the Usability of Some Bio-Based Insulation Materials in Double-Skin Steel Envelopes.	Sustainability, 14(17), 2022. https://doi.org/10.3390/su141710797	Barrie Dams, Dan Maskell, Andrew Shea, Stephen Allen, Valeria Cascione, Pete Walker	Upscaling Bio-based Construction: Challenges and Opportunities	Building Research & Information, 2023, DOI: 10.1080/09613218.2023.2204414 https://doi.org/10.1080/09613218.2023.2204414	10			
171.				Kyungrok Kwon, Hyok Chu Choi, Koochul Ji, Youngjin Choi, Jung Sik Kong	Fragility Assessment of Installation Defects in Industrial Standing Seam Metal Roof Subjected to Wind Loads	Journal of Civil Engineering and Management, **30**(5), 437–451, 2024, https://doi.org/10.3846/jcem.2024.21451	10			
172.				Acar Gentiel, Marijke Steeman, Nathan Van Den Bossche	Reusing Thermal Insulation Materials: Reuse Potential and Durability Assessment of Stone Wool Insulation in Flat Roofs	Sustainability, **16**(4), 2024, 1657. https://doi.org/10.3390/su16041657 https://www.mdpi.com/2071-1050/16/4/1657	10			
173.				Zerari Salima, Rossella Franchino, Nicola Pisacane, Carmen Llatas, Bernardette Soust-Verdaguer	Addressing the Difficulties and Opportunities to Bridge the Integration Gaps of Bio-Based Insulation Materials in the European Construction Sector: A Systematic Literature Review	Sustainability 16(19): 8711, 2024. https://doi.org/10.3390/su16198711	10			
174.				Lily Deborde	Isolation thermique biosourcée à base de fibre de chanvre : propriétés hygroscopiques et résistance fongique à l'échelle du bâtiment	Academic Journal of Civil Engineering, 43(1), 290-1299. https://doi.org/10.26168/ajce.43.1.110	10			
175.				Gervásio H., Simões da Silva L., Eizaguirre-Iribar A., Olano-Azkune X., Lange J., Pradhan E.M., Renaux T., Gelders T., Huet V., Izabel D., Spagni D., Palisson A., Prudor V.	Functional and Structural Behavior of Innovative Ultra-low Carbon Building Steel Envelope Systems	Ninth International Conference on THIN-WALLED STRUCTURES − ICTWS2023 Sydney, Australia, Nov 29 – Dec 1, 2023. https://www.ictws2023.org.au/wp-content/uploads/2023/11/48289-Gervasio.pdf				10
176.	Yasmina Ed-Dariy, Nouzha Lamdour, Toufik Cherradi, **Ancuța Rotaru**, Marinela Barbuță, Petru Mihai	Effect of Alkali Treatment of Jute Fibers on the Compressive Strength of Normal-strength Concrete Members Strengthened with JFRP Composites	Journal of Applied Science and Engineering, 23(4), 2020, pp. 677-685	Chinyere O. Nwankwo and Jeffrey Mahachi and David O. Olukanni and Innocent Musonda	Natural Fibres and Biopolymers in FRP Composites for Strengthening Concrete Structures: A Mixed Review	Construction and Building Materials, **363**(11), 2023, 129661 https://doi.org/10.1016/j.conbuildmat.2022.129661 https://www.sciencedirect.com/science/article/pii/S0950061822033177?casa_token=RiaKXY_7VwsAAAAA:5F081yV5y9OsNa0yrUXvbU42dm_Myl7fzPCDGOz8L32_yogzcFs5vmLhpxavDjDsH3kpXKQFxA	10			
177.				C.O. Nwankwo, J. Mahachi, D.O. Olukanni, I. Musonda	Africa's Natural Fibres Used in Polymer Composites: A Systematic Review	Polymer Composites, 2024 https://doi.org/10.1002/pc.28482	10			
178.				Atichon Kunawisarut, Pitcha Jongvivatsakul, Tidarut Jirawattanasomkul, Suched Likitlersuang	Experimental Study and Modeling of Unidirectional Jute FRP for Concrete Confinement	Structures, **67**, 106953, 2024, ISSN 2352-0124 https://doi.org/10.1016/j.istruc.2024.106953. https://www.sciencedirect.com/science/article/pii/S2352012424011056	10			
179.				Peng Zhang, Zheng Qin, Zhen Gao, Fei Wang, Canhua Lai	Research Progress on Impact Resistance of Fiber-reinforced Concrete–A review	Journal of Building Engineering, 112: 113982, 2025 https://doi.org/10.1016/j.jobe.2025.113982 https://www.sciencedirect.com/science/article/pii/S2352710225022193	10			
180.				Adane Dagnaw Gudayu, Demisew Ephrem Getahun, Daniel Mulugeta Mekuriaw, Firehiwot Tsegaw Walelign, Abdella Simegnaw Ahmed	Natural Fiber Reinforced Cementitious Composites; Materials, Compatibility Issues and Future Perspectives	Composite Interfaces, 32(3), 2025 https://www.tandfonline.com/doi/full/10.1080/09276440.2024.2417162#d1e592 https://doi.org/10.1080/09276440.2024.2417162	10			
181.				Valeria Laverde Sarmiento, José M. Benjumea, Mauricio Rincón Ortiz	Chemical and Mechanical Characterization of Treated and Untreated Woven Fique Fiber Textiles as an Alternative External Reinforcement for Concrete	Journal of Natural Fibers, 22(1). https://doi.org/10.1080/15440478.2025.2462975 https://www.tandfonline.com/doi/full/10.1080/15440478.2025.2462975?scroll=top&needAccess=true#d1e154	10			
182.				Islam Jahidul, Hossain Tawseef, Mahmud Saeed	A Comparison Study on the Use of Jute Fiber Reinforced Polymer to Strengthen RCC Beams in Flexure	ASEAN Engineering Journal, 14(4), 179-187, 2024. https://journals.utm.my/aej/article/view/21577			10	

183.	Yasmina Ed-Dariy, Nouzha Lamdouar,Toufik Cherradi, **Ancuța Rotaru**, Marinela Barbuță, Petru Mihai,	The Influence of the Curing Conditions on the Behavior of Jute Fibers Reinforced Concrete Cylinders	Periodica Polytechnica Civil Engineering, 65(4): 2021,1162–1173.	Chinyere O. Nwankwo and Jeffrey Mahachi and David O. Olukanni and Innocent Musonda	Natural Fibres and Biopolymers in FRP Composites for Strengthening Concrete Structures: A Mixed Review	Construction and Building Materials, **363**(11), 2023, 129661 https://doi.org/10.1016/j.conbuildmat.2022.129661 https://www.sciencedirect.com/science/article/pii/S0950061822033177?casa_token=RiaKXY_7VwsAAAAA:5F081yV5y9OsNa0yrUXvbU42dm_Myl7fzPCDGOz8L32_yogzcFs5vmLhpxavDjDsH3kpXKQFxA	10			
184.				Alam Md Ashraful, Rahman Md Moshiur, Islam Jahidul	Optimal Shear Strengthening of Severely Deficient RC Beam Using JFRP Laminate with Anchor	Jordan Journal of Civil Engineering, **17**(4), p723, 2023, ISSN 1993-0461, DOI 10.14525/JJCE.v17i4.13 https://openurl.ebsco.com/EPDB%3Agcd%3A1%3A22687105/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Agcd%3A173645997&crl=c	10			
185.				Peng Zhang, Zheng Qin, Zhen Gao, Fei Wang, Canhua Lai	Research Progress on Impact Resistance of Fiber-reinforced Concrete–A Review	Journal of Building Engineering, 112, 113982, 2025 https://doi.org/10.1016/j.jobe.2025.113982 https://www.sciencedirect.com/science/article/pii/S2352710225022193	10			
186.				Ahlam El Majid, Khadija Baba, Latifa Ouadif	Experimental Study on the Behavior of Two Expansive Soils Reinforced with Jute Fibers: Effects of Fiber Length and Content	E3S Web Conference, Volume 675, 2025 International Scientific Conference on Geosciences and Environmental Management (GeoME'5.5 2025) https://doi.org/10.1051/e3sconf/202567501010 https://www.e3s-conferences.org/articles/e3sconf/abs/2025/75/e3sconf_geome2025_01010/e3sconf_geome2025_01010.html		10		
187.	Sanaa Elmalyh, Azzeddine Bouyahyaoui, Toufik Cherradi, **Ancuța Rotaru**, Petru Mihai	Shear Strength of Unreinforced Masonry Walls Retrofitted with CFRP	Advances in Science, Technology and Engineering Systems Journal (ASTESJ), 5(2), 2020, pp. 351-359	Nandini Priya Thatikonda, Daniele Baraldi, GiosuÄ¨ Boscato, Antonella Cecchi	Experimental Evaluation of Elastic Shear Components for Masonry in a Cosserat Continuum	International Journal of Solids and Structures, **292**, 112715, 2024, ISSN 0020-7683 https://doi.org/10.1016/j.ijsolstr.2024.112715 https://www.sciencedirect.com/science/article/pii/S0020768324000726	10			
188.				Fahimeh Yavartanoo, Chang-Soo Kim, Damon Bolhassani, Thomas H.-K. Kang,	Macro-modeling of CFRP Strengthening in U-shaped Masonry Walls under Combined Vertical and Out-of-plane Load	Engineering Failure Analysis, 177: 109664, 2025 https://www.sciencedirect.com/science/article/pii/S1350630725004054 https://doi.org/10.1016/j.engfailanal.2025.109664				
189.				Richard Badonbok Lyngkhoi, Teiborlang Warjri, Comingstarful Marthong	Use of Steel Wire Mesh for Compressive Strength Enhancement of AAC Masonry Wall	Materials Today: Proceedings, 2023, ISSN 2214-7853 https://doi.org/10.1016/j.matpr.2023.02.423 https://www.sciencedirect.com/science/article/pii/S2214785323009719			10	
190.				Aiping Zheng, Yanling Zhai	Finite Element Analysis of Externally Attached Prefabricated RC Wall Panels for Reinforcement of Existing Regular Masonry Structures	Proceedings of the 2024 7th International Conference on Structural Engineering and Industrial Architecture (ICSEIA 2024), ISBN 10.2991/978-94-6463-429-7_22, ISSN 2589-4943 https://doi.org/10.2991/978-94-6463-429-7_22 https://www.atlantis-press.com/proceedings/icseia-24/126000593				10
191.	**Ancuţa Rotaru**, Radu-Aurel Pescaru, Ioana Olteanu-Donţov, Alina-Mihaela Nicuţă, Petru Mihai, Vasilică Ciocan, Marius-Costel Balan	Hazard Risk Mitigation for a Sustainable Built Environment	In: Rotaru, A. (eds) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019. Springer Series in Geomechanics and Geoengineering, Springer, Cham.	Uttama Barua, Hoon Han, Mohammad Mojtahedi, Mehedi Ahmed Ansary	Integration of Proactive Building Fire Risk Management in the Building Construction Sector: A Conceptual Framework to Understand the Existing Condition	Buildings, 14(11): 3372, 2024. https://www.mdpi.com/2075-5309/14/11/3372	10			
192.				H.H. Setiawan, M.I. Tanjung, G.K. Panda, R. Shaw, S.C. Pal, U. Chatterjee, A. Saha (eds)	Community-Based Landslide Disaster Mitigation on the Northern Slope of "Telaga Lele" Hill, Banjarnegara Regency, Indonesia	Landslide: Susceptibility, Risk Assessment and Sustainability. Advances in Natural and Technological Hazards Research, **52**, Springer, Cham, 2024. https://doi.org/10.1007/978-3-031-56591-5_21			10	
193.	Monther Abdelhadi, **Ancuța Rotaru**, Nafeth Abdel Hadi, Nicolae Taranu, Andrei Boboc, Oana-Mihaela Banu	The Influence of Bituminous Oil Shale Ashes on the Characteristics of Stabilized Silty-sandy Brown Clays	Revista română de materiale-Romanian Journal of Materials 49(4), 2019	Samer R. Rabab'ah, Abdulla A. Sharo, Mudhaffer M. Alqudah, Ahmed M. Ashteyat, Haitham O. Saleh	Effect of Using Oil Shale Ash on Geotechnical Properties of Cement-stabilized Expansive Soil for Pavement Applications	Case Studies in Construction Materials, 19, 2023, ISSN 2214-5095 https://doi.org/10.1016/j.cscm.2023.e02508 https://www.sciencedirect.com/science/article/pii/S2214509523006885	10			
194.	George Taranu, Vasile-Mircea Venghiac, Ioana Olteanu-Dontov, Ancuta Rotaru, Ionut-Ovidiu Toma	Sustainable Design for CFS Structures: Experimental Data and Numerical Models of Hinged Connections	Sustainability, 14(13), 7813, MDPI, 2022	Pauline Jegen, Lukas Gast, Martin Faulstich	A Review of the Implementation of R-imperatives in Circular Construction	Cleaner Production Letters, 8: 100097, 2025, https://doi.org/10.1016/j.clpl.2025.100097 https://www.sciencedirect.com/science/article/pii/S2666791625000065			10	
						TOTAL	193 x 10 = 1930			
						La care se adauga 35 citari WoS din 2026 = 350 puncte (cf Google Scholar)	**2.280**			

3.2 Prezentări invitate în plenul unor manifestări științifice naționale și internaționale (keynote-speaker) și Profesor invitat pentru a susține module de curs/prelegeri (exclusiv ERASMUS)

Punctaj unic pentru fiecare activitate (maxim 10 activități pentru Profesor; maxim 5 activități pentru Conferențiar)

Selecție

Nr. crt.	Manifestarea științifică	Unde și cand a avut loc manifestarea științifică	Titlul prezentării	Autorii lucrării/prezentării	Inter naționale	Naționale
1.	Sesiunea de Comunicări Științifice TEHNOMIL 2001	Academia Forțelor Terestre, Sibiu, 27 aprilie 2001	1) Asupra posibilităților de protecție a apei subterane și folosirea ei în scopuri ecologice	**Ancuța Rotaru**, Paulică Răileanu, Petru Rotaru		10,00
			2) Depozite geotehnice de adâncime pentru stocarea deșeurilor nucleare	**Ancuța Rotaru**, Paulică Răileanu, Petru Rotaru		10,00
2.	Conferința Tehnico-științifică Internațională "Probleme actuale ale urbanismului și amenajării teritoriului"	Universitatea Tehnică a Moldovei, Facultatea de Urbanism și Arhitectură, Chișinău, 30 septembrie – 1 octombrie 2004	Calculul tensiunilor de forfecare dintr-un masiv de pământ, determinate de o suprafață încărcată, utilizînd metoda sectorului	**Ancuța Rotaru**, Vasile Boboc	20,00	
3.	Sesiunea Științifică Construcții – Instalații Brașov CIB 2004	Universitatea Transilvania din Brașov, Facultatea de Construcții, 18-19 noiembrie 2004	1) Încercări la tensiune pe probe de argilă saturată normal consolidată anizotrop supusă la încercări de încărcare-descărcare	**Ancuța Rotaru**		10,00
			2) Influenţa particularităţilor stării de tensiuni asupra rezistenţei şi deformaţiilor în timp ale pământurilor	**Ancuța Rotaru**, Dănuț T. Babor, Paulică Răileanu, Petru Rotaru		10,00
4.	A IX-a sesiune de comunicări științifice cu participare internațională "Știința și învățământul fundamente ale secolului al XXI-lea	Academia Forțelor Terestre "Nicolae Bălcescu", Sibiu, 25-26 noiembrie 2004	1) De ce este necesară cunoașterea stării de tensiuni în masivele de pământ acționate de construcții inginerești	**Ancuța Rotaru**, Paulică Răileanu		10,00
			2) Deformațiile axiae și K_o determinate pe probe de argilă saturată normal consolidată anizotrop supusă la încercări de încărcare-descărcare	**Ancuța Rotaru**, Paulică Răileanu		10,00
5.	Invited lectures	TU Viena, Institute for Engineering Geology, 21 iunie 2006, Viena, Austria	Foundations on swelling and shrinking soils in Iași County – Romania https://www.ig.tuwien.ac.at/events/vortraege/archiv/	**Ancuța Rotaru**, Paulică Răileanu, Petru Rotaru	20,00	
6.	PIARC Seminar Adapting Road Earthworks to the Local Environments	Iași, Romania, 31 mai – 2 iunie 2007	Quelques considerations sur les moyeans de preventon et des glissement de versants	**Ancuța Rotaru**	20,00	

7.	10th International Symposium Materials, Methods & Technologies	Hotel Imperial, Sunny Beach Resort, Bulgaria, 2-4 iunie 2008	Some aspects of landslide risk evaluation taking into account their distribution and properties http://old.uefiscdi.ro/UserFiles/File/MC%202008/LISTA_PROPUNERI_PROIECTE_PRIMITE_Tip_MC(2).htm	**Ancuța Rotaru**, Ana Nicuță	20,00	
8.	Dezbatere… dar să știm și noi	Fac de Construcții și Instalații Iași, corp R, amf. Anton Șesan 28 octombrie 2008	1) Tehnici moderne de predare și modul în care sunt percepute de student;	**Ancuța Rotaru**		10,00
			2) Motivația studentului de a frecventa cursurile și a studia individual	**Ancuța Rotaru**		
9.	1st WSEAS International Conference on Natural Hazards (NAHA '08)	Politehnica București, Romania, 9 noiembrie 2008	Dynamics of a Landslide Surface	**Ancuța Rotaru**, Daniel Oajdea, Paulică Răileanu	20,00	
10	International Seminar Managing Risk in Road Operations, (PIARC)	Iasi (Romania), 5-7 November 2009	Some aspects on landslide risk evaluation on public road network https://www.piarc.org/en/activities/PIARC-International-Seminars-Proceedings/PIARC-International-Seminars-2009/iasi_November09	**Ancuța Rotaru**	20,00	
11	Landslide Risk Mitigation – Challenge and Strategy Exploratory Workshop	Facultatea Construcții și Instalații Iași, corp R, 28-30 octombrie 2009	Landslide Risk Mitigation – Challenge and Strategy	**Ancuța Rotaru**	20,00	
12	Risk Management, Assessment and Mitigation (RIMA'10)	Politehnica București, Romania, 20-22 aprilie 2010	Physical Properties of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania – A Cement-like Material for Substructure Works www.imst.pub.ro/userfiles/Joint%20program.pdf	**Ancuța Rotaru**, Vasile Boboc	20,00	
			2) Mechanical Properties of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania – A Cement-like Material for Substructure Works www.imst.pub.ro/userfiles/Joint%20program.pdf	Vasile Boboc, **Ancuța Rotaru**, Andrei Boboc	20,00	
13	European Geoscience Union, General Assembly 2010	Viena, Austria, 2-7 mai 2010	EGU2010-13952 - Causes and mechanisms of landslides triggered on foundation soil areas https://meetingorganizer.copernicus.org/EGU2010/	**Ancuța Rotaru**	20,00	
14	PMI Romania Chapter – Monthly Meeting Iasi	Iași, iulie 2017	Greșeli de proiectare în construcții (Defective Works in Construction Projects) https://pmi.ro/eveniment/pmi-romania-chapter-monthly-meeting-iasi-iulie-2017/	**Ancuța Rotaru**		10,00

15	1st Transnational Meeting of the Project *Rehabilitation of the Built Environment in the Context of Smart City and Sustainable Development Concepts for Knowledge Transfer and Lifelong Learning* - RE-BUILT	Universitatea Tehnică „Gheorghe Asachi" din Iași, 14-16 ianuarie 2019	Presentation of the RE-BUILT Project Rehabilitation of the Built Environment in the Context of Smart City and Sustainable Development Concepts for Knowledge Transfer and Lifelong Learning http://www.rebuilt.ce.tuiasi.ro/events/meetings/m1/index.html	**Ancuța Rotaru**	20,00	
16	CRIT-RE-BUILT International Conference on Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment	Universitatea Tehnică „Gheorghe Asachi" din Iași, 4-6 noiembrie 2019	Study on the Impact of the Environmental Degradation on the Atmospheric and Geological Factors of Built Areas http://www.rebuilt.ce.tuiasi.ro/events/2019/	**Ancuța Rotaru**	20,00	
17	Days of the REBUILT Construction Sector. Workshop	„Todor Kableshkov" Higher School of Transport-Sofia, Bulgaria, 19-22 februarie 2020	Hazard Risk Mitigation: Challenge or Strategy? https://www.researchgate.net/publication/346023541_Days_for_the_REBUILT_Construction_Sector	**Ancuța Rotaru**	20,00	
18	Fall Doctoral School in Orleans, France – International Workshop	Universitatea din Orleans, Franța, 24-26 noiembrie 2021	Eco-friendly Materials for Sustainable Rehabilitation of Substructure Works Affected by Hazards	**Ancuța Rotaru**	20,00	
19	KNOW-RE-BUILT International Conference on Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment	15-16 decembrie 2021, online	Presentation of the outputs of the RE-BUILT Project (Rehabilitation of the Built Environment in the Context of Smart City and Sustainable Development Concepts for Knowledge Transfer and Lifelong Learning) http://www.rebuilt.ce.tuiasi.ro/resources/conferences/2021/KNOW-RE-BUILT_Program.pdf	**Ancuța Rotaru**	20,00	
20	The 17th International Scientific Conference CIBv - Civil Engineering and Building Services 2022	Universitatea "Transilvania" din Brasov, Facultatea de Constructii, 3-4 noiembrie 2022	Using Aerial and Satellite Images to Assess the Geotechnical Characteristics of Road Infrastructure Project Sites https://cibv.unitbv.ro/program	**Ancuța Rotaru** Mădălin-Cornel Văleanu	20,00	
21	MTU Learning Spaces Seminar	Munster Technological University, Irlanda, 14 noiembrie 2025		**Ancuța Rotaru**	20,00	
TOTAL					**420,00**	

3.3 Membru în colective de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice; Recenzor pentru reviste și manifestări științifice
Punctaje unice pentru fiecare categorie, ce se acordă numai dacă sunt îndeplinite următoarele cerințe minimale:
3.3.1 – minim 2 colective de redacție și minim 8 recenzii
3.3.2 – minim 2 colective de redacție și minim 8 recenzii
3.3.3 – minim 2 comitete științifice și minim 12 recenzii
Obs.: Pentru reviste, comitete științifice internaționale, valorile minime specificate se împart la 2.

I. Editor în 1 revistă ISI internațională + 4 recenzii ISI internaționale – 2 x 20 puncte

a) Revista ISI internațională: Advances in Environmental and Geological Science and Engineering, Cornel Panait, Eugen Bârsan, Aida Bulucea, Nikos Mastorakis, Charles Long, 2010. Associate editors: Marius Mosoarcă, **Ancuța Rotaru** ISSN: 1792-4685, ISBN: 978-960-474-221-9 (se reduce la 1 – revistă internațională ISI)
http://www.wseas.us/books/2010/Constantza/EG.pdf

Recenzii internaționale reviste ISI:
1. Advances in Environmental Development, Geomatics Engineering and Tourism, Published by WSEAS Press, 2014, ISSN: 2227-4359, ISBN: 978-960-474-385-8 (list of reviewers)
http://www.wseas.org/main/books/2014/Brasov/ENVIR.pdf
2. Recent Advances in Geodesy and Geomatics Engineering, Published by WSEAS Press, 2013, ISSN: 2227-4359, ISBN: 978-960-474-335-3 (list of reviewers)
http://www.wseas.us/e-library/conferences/2013/Antalya/GENG/GENG-00.pdf
3. Mathematics and Computers in Contemporary Science, Published by WSEAS Press, 2013, ISBN: 978-960-474-356-8 (list of reviewers)
http://www.wseas.org/main/books/2013/Nanjing/SCIE.pdf
4. Recent Advances in Environmental and Biological Engineering, Published by WSEAS Press, 2014, ISBN: 978-1-61804-259-0 (list of reviewers)
http://www.wseas.org/main/books/2014/Istanbul/BIOSCUST.pdf
(se reduc la 4 – reviste internaționale ISI)

b) Revista ISI internațională: Studies on Sustainable Rehabilitation of the Built Environment, Sustainability Journal, impact factor 3.889 în 2022, MDPI Academic Open Access Publishing, Guest eds: Dashnor Hoxha, **Ancuţa Rotaru**, Wu Wei, 2022.
https://www.mdpi.com/journal/sustainability/special_issues/sustainable_rehabilitation_built_environment

Recenzii internaționale reviste ISI:
1. Towards Sustainable Soil Stabilization in Peatlands: Secondary Raw Materials as an Alternative, Sustainability journal (ISSN 2071-1050), 2021, Manuscript ID: sustainability-1179206, Published by MDPI,
https://susy.mdpi.com/user/review/review/17705945/rXZ8oYBk
2. Experimental Analysis of Incipient Motion for Uniform and Graded Sediments, Water journal (ISSN 2073-4441), 2021, Manuscript ID water-1260698, Published by MDPI,
https://susy.mdpi.com/user/review/review/18511559/Z3zLTa6R
3. Evaluating organizational sustainability: A multi-criteria based approach on sustainable project management indicators, Systems journal (ISSN 2079-8954), 2021, Manuscript ID systems-1318898, Published by MDPI,
https://susy.mdpi.com/user/review/review/19447235/snWaQp17
4. Hydraulic Fracturing in Enhanced Geothermal Systems—Field, Tectonic and Rock Mechanics Conditions—A Review, Energies journal (ISSN 1996-1073), 2021, Manuscript ID energies-1356224, Published by MDPI,
https://susy.mdpi.com/user/review/review/20271067/Yk9s2HQ3
(se reduc la 4 – reviste internaționale ISI)

II. Editor in 1 revista BDI internațională + 4 recenzii ISI (sau BDI) internaționale – 12 puncte

Revista BDI internațională: Springer Serries in Geomechanics and Geoengineering
(Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment CRIT-RE-BUILT. Proceedings of the International Conference, Iași, Romania, November 7-9, 2019, Editor: **Rotaru Ancuta**)
https://www.springer.com/gp/book/9783030611170

Recenzii internaționale:
1. Geomechanics and Geoengineering: An International Journal, Published by Taylor & Francis, ISSN 1748-6025. Recenzie a manuscrisului "Electrical analogy for modelling thermal regime and moisture distribution in sandy soils". https://www.tandfonline.com/doi/full/10.1080/17486025.2017.1309081
2. Recent Researches in Urban Sustainability, Architecture and Structures, Published by WSEAS Press, 2013, ISSN: 2227-4359 ISBN: 978-960-474-331-5 (list of reviewers) https://www.academia.edu/6599105/RECENT_RESEARCHES_in_URBAN_SUSTAINABILITY_ARCHITECTURE_and_STRUCTURES
3. Recent Advances in Energy, Environment and Geology, Published by WSEAS Press, 2013, ISSN: 2227-4359, ISBN: 978-960-474-338-4 (list of reviewers) http://www.wseas.org/main/books/2013/Antalya/NEGIC.pdf
4. Recent Advances in Civil and Mining Engineering, Published by WSEAS Press, 2013 ISSN: 2227-4588 ISBN: 978-960-474-337-7 (list of reviewers) http://www.wseas.org/main/books/2013/Antalya/MINEC.pdf

III. Comitete științifice + 6 recenzii internaționale

Comitete științifice (internaționale, selecție) **– 2 x 8 puncte**

a) Comitete științifice Conferințe ISI

1. 1st International Conference on Tourism and Economic Development (TEDE'13) Nanjing, China November 17-19, 2013 http://www.wseas.org/main/books/2013/Nanjing/SCIE.pdf
2. 2nd European Conference of Geodesy & Geomatics Engineering (GENG'14) Brașov, România June 26-28, 2014 https://www.academia.edu/6599105/RECENT_RESEARCHES_in_URBAN_SUSTAINABILITY_ARCHITECTURE_and_STRUCTURES
3. 3rd International Conference on Sustainable Cities, Urban Sustainability and Transportation (SCUST'14) Istanbul, Turkey December 15-17, 2014 http://www.wseas.org/main/books/2014/Istanbul/BIOSCUST.pdf
4. 1st International Conference on New Directions in Business, Management, Finance and Economics (ICNDBM 2013), Famagusta, Northern Cyprus, Sept 12-14 2013 http://www.allconferences.com/c/1st-international-conference-on-new-directions-in-business-management-finance-and-economics-icndb-famagusta-2013-september-13 (certificat de participare)

Recenzii (internaționale reviste ISI, se reduc la 6)

1. Effect of Bound Water Content on Secondary Compression of Three Marine Silty Clays, Journal of Marine Science and Engineering 10, no. 2: 261. https://doi.org/10.3390/jmse10020261WSEAS-PaperReviewForm_Paper 407-2_2020
2. Dilatant Nature of Sand Shear Strength, Applied Sciences 12, no. 5: 2332. https://doi.org/10.3390/app12052332
3. Physical Similarity Simulation of Deformation and Failure Characteristics of Coal-Rock Rise under the Influence of Repeated Mining in Close Distance Coal Seams, Energies 15, no. 10: 3503. https://doi.org/10.3390/en15103503
4. Measurement of Forces in a Mining Plough Chain during Operation, Energies 15, no. 16: 6003. https://doi.org/10.3390/en15166003
5. Innovative Overview of SWRC Application in Modeling Geotechnical Engineering Problems, Designs 6, no. 5: 69. https://doi.org/10.3390/designs6050069
6. Comparison of numerical simulation of seepage flow in a single rock fracture based on 3D and 2D models, Mathematics -1874204 https://susy.mdpi.com/user/review/review/29405362/tlHvTZ6P

b) Comitete științifice conferințe BDI

1. International Conference on Knowledge Transfer in Sustainable Rehabilitation and Risk Management of the Built Environment – KNOW-RE-BUILT – ONLINE, 15-16 decembrie 2021, președinte al comitetului științific http://www.rebuilt.ce.tuiasi.ro/

2. International Conference on Critical Thinking in Sustainable Rehabilitation and Risk Management of the Built Environment – CRIT-RE-BUILT – Iași, România, 7-9 noiembrie 2019, președinte al comitetului științific http://rebuilt.ce.tuiasi.ro/conferences/2019/
3. International Conference – Towards a Sustainable Built Environment EBUILT, 2016, Iași http://ebuiltiasi.com/
4. 4th International Balkans Conference on Challenges of Civil Engineering (4-BCCCE), mai 28-29, 2020 (amânată pt. 30-31 octombrie 2020), Tirana, Albania http://bccce.epoka.edu.al/2020/category-committees-2720.html https://epoka.edu.al/conferences/bccce/2020/docs/BCCCE_2020_Book_of_Proceedings.pdf
5. WASET - International Scientific Committee of Civil and Environmental Engineering https://waset.org/committees/civil-and-environmental-engineering?page=5

Recenzii (internaționale, se reduc la 6)

7. WSEAS-PaperReviewForm_Paper 407-1_2020
8. WSEAS-PaperReviewForm_Paper 407-2_2020
9. African Journal of Engineering Research_AJER-2016-025 - Comparison of physical and chemical properties of soils in China and Iraq_2016 http://www.netjournals.org/pdf/AJER/2016/4/16-025.pdf
10. Challenge Journal of Structural Mechanics_448-1957-2-RV, 5(4), ISSN 2149-8024 - Modification of the Effective Area Method on Two-Way Loaded Shallow Foundations_2019 http://www.challengejournal.com/index.php/cjsmec/article/view/448
11. Challenge Journal of Structural Mechanics_ 288-1130-3-RV, 4(2) 2018, ISSN 2149-8024 - Effects of Structural Irregularities on Low and Mid-rise RC Building Response_2018 http://www.challengejournal.com/index.php/cjsmec/article/view/288
12. WSEAS_2019-3180-AJS - A Short Review of Cementation in Carbonate Environments

Alte rezultate/ activități de recunoaștere și impact al activității

Chairperson conferințe internaționale

1. International Conference Risk Management, Assessment and Mitigation (RIMA'10), Bucharest, Romania, 20-22 aprilie 2010 – RIMA Special Session Sustainable Civil Engineering http://www.imst.pub.ro/userfiles/Joint%20program.pdf
2. International Conference – Towards a Sustainable Built Environment EBUILT, 2016, Iași, România http://ebuiltiasi.com/
3. International Conference on Critical Thinking in Sustainable Rehabilitation and Risk Management of the Built Environment – CRIT-RE-BUILT – Iași, România, 7-9 noiembrie 2019 http://rebuilt.ce.tuiasi.ro/conferences/2019/
4. International Conference on Knowledge Transfer in Sustainable Rehabilitation and Risk Management of the Built Environment – KNOW-RE-BUILT – Iași, România, ONLINE, 15-16 decembrie 2021 http://www.rebuilt.ce.tuiasi.ro/resources/conferences/2021/KNOW-RE-BUILT_Program.pdf

Președinte comitete științifice conferințe internaționale

1. International Conference on Critical Thinking in Sustainable Rehabilitation and Risk Management of the Built Environment – CRIT-RE-BUILT – Iași, România, 7-9 noiembrie 2019 http://rebuilt.ce.tuiasi.ro/conferences/2019/
2. International Conference on Knowledge Transfer in Sustainable Rehabilitation and Risk Management of the Built Environment – KNOW-RE-BUILT – Iași, România, ONLINE, 15-16 decembrie 2021 http://www.rebuilt.ce.tuiasi.ro/resources/conferences/2021/Know-re-buit_COMMITTEES.pdf

Organizator conferințe internaționale

1. International Conference Risk Management, Assessment and Mitigation (RIMA'10), Bucharest, Romania, 20-22 aprilie 2010 – RIMA Special Session Sustainable Civil Engineering http://www.wseas.us/conferences/2010/bucharest/rima/Session2.htm
2. International Conference on Critical Thinking in Sustainable Rehabilitation and Risk Management of the Built Environment – CRIT-RE-BUILT – Iași, România, 7-9 noiembrie 2019 http://ce.legacy.tuiasi.ro/ro/conferinte-simpozioane-evenimente/

3. International Conference on Knowledge Transfer in Sustainable Rehabilitation and Risk Management of the Built Environment – KNOW-RE-BUILT – Iași, România, ONLINE, 15-16 decembrie 2021 http://www.rebuilt.ce.tuiasi.ro/resources/conferences/2021/Know-re-buit_COMMITTEES.pdf

Organizator workshop-uri naționale și internaționale

1. The 8th National Conference of Soil Mechanics and Foundation Engineering, Iași, 25-28 septembrie 1996
2. Soluții și sisteme de reabilitare structurală cu materiale compozite polimerice armate cu fibre – RECOPAF Simpozion național cu participare internațională, Iași 19 mai 2006
3. Landslide risk mitigation – challenge and strategy – Iași, România, 28-30 octombrie 2009 (afiș) https://www.researchgate.net/publication/346023677_Afis_Workshop_exploratoriu_octombrie_2009
4. Sustainability and Perspectives on Geotechnical Engineering Workshop – 14 noiembrie 2016, Iași, România (afiș) https://www.researchgate.net/publication/346023306_Sustainability_and_Perspectives_on_Geotechnical_Engineering_Workshop_-_Poster
4. Integrating Structures into the Built Environment for Sustainable Development – 19 iunie 2019, Iași, România (afiș) https://www.researchgate.net/publication/346023701_Integrating_Structures_into_the_Built_Environment_for_Sustainable_Development_Poster
5. Rehabilitation Challenges and Solutions in the Built Environment – 5, 6, 11 noiembrie 2019, Iași, România (afiș) https://www.researchgate.net/publication/346023785_Rehabilitation_Challenges_and_Solutions_in_the_Built_Environment_Poster_A3_Workshop
6. Sustainable Rehabilitation and Advances in Building Materials – 24 iunie 2022, Iași, România (afiș) https://www.researchgate.net/publication/363265633_Afis_erasmus
7. Conversation on Sustainability in Civil Engineering – June 26, 2025, Iași, Romania

Comitete științifice conferințe naționale

1. A 17-a ediție a Conferinței Danubian-Europene de Mecanica Pământurilor și Inginerie Geotehnică, 7-9 iunie 2023, București https://17decge.ro/about-the-conference/#comittees
2. A XIV-a Conferință Națională de Geotehnică și Fundații, 2-5 septembrie 2020 (amânată în iunie 2021), București http://cngf.srgf.ro/wp-content/uploads/2019/11/Buletin-01RO.pdf
3. A XIII-a Conferință Națională de Geotehnică și Fundații, 7-10 septembrie 2016, Cluj-Napoca
4. A XII-a Conferinţă Naţională de Geotehnică și Fundaţii**,** 20-22 septembrie 2012, Iaşi

Alte comitete editoriale/ științifice

1. International Research Journal on Advanced Science Hub (IRJASH)
2. World Academy of Science, Engineering and Technology - Civil and Environmental Engineering https://waset.org/committees/civil-and-environmental-engineering?page=6
3. American Journal of Civil Engineering https://www.sciencepublishinggroup.com/journal/editorialboard?journalid=229
4. Membru al comitetului științific al Academic Civil Engineering Unit (ATINER) https://www.atiner.gr/civil-unit

Membru în societăți academice/ profesionale:

1. Societatea Romană de Geotehnică și Fundații (SRGF)
2. International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE)
3. Membru al Athens Institute for Education and Research, Academic Civil Engineering Unit (ATINER) https://www.atiner.gr/civil-unit
4. Membru al World Academy of Science, Engineering and Technology, Civil and Environmental Engineering (WASAT) https://waset.org/committees/civil-and-environmental-engineering?page=6
5. Membru al Canadian Institute for Knowledge Development (CIKD) https://cikd.ca/new-cikd/former_associations/prof-ancuta-rotaru/

TOTAL Recunoașterea și impactul activității (A3)	**2.418**
TOTAL GENERAL	**6.591,20**

Prof.univ.dr.habil.ing. Ancuța ROTARU

14 octombrie 2026

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
FACULTATEA DE CONSTRUCȚII SI INSTALAȚII
DEPARTAMENTUL DE CĂI DE COMUNICAȚII ȘI FUNDAȚII
postul de **PROFESOR UNIVERSITAR**

Disciplinele postului: Geologie inginerească
Probleme speciale de geotehnica si fundații
Fundații in condiții speciale

FIŞA DE VERIFICARE
a îndeplinirii standardelor universităţii profesor universitar

Candidat: ROTARU ANCUȚA*I* Data naşterii: 5.02.1962 Funcţia actuală: profesor, Data numirii în funcţia actuală: februarie 2023, Universitatea Tehnică “Gheorghe Asachi” din Iași

1. Studiile universitare de licenţă

Nr. crt.	Instituţia de învăţământ superior şi facultatea absolvită – anul absolvirii	D o m e n i u l / programul de studii (specializarea)	Titlul acordat	Media de şcolaritate	Media examenului de finalizare
1	Institutul Politehnic Iași (Universitatea Tehnică “Gheorghe Asachi” din Iași), 1986	Constructii/ Constructii Civile, Industriale și Agricole	inginer	9,24	10,00

2. Studiile universitare de master

Nr. crt.	Instituţia de învăţământ superior şi facultatea absolvită – anul absolvirii	D o m e n i u l / programul de studii (specializarea)	Media de şcolaritate	Media examenului de finalizare

2. Studiile de doctorat

Nr. crt.	Instituţia organizatoare de doctorat/ conducatorul de doctorat	D o m e n i u l	Perioada	Titlul ştiinţific acordat
1	Universitatea Tehnică “Gheorghe Asachi” din Iași/ Prof.dr.ing.Paulică Răileanu	*Inginerie Civilă*	*1992 - 1997*	*Doctor inginer*

3. Studii şi burse postdoctorale (stagii de cel puţin 6 luni)

Nr. crt.	Ţara / I n s t i t u ţ i a	D o m e n i u l / Specializarea	Perioada	Tipul de bursă

4. Grade didactice/profesionale

Nr. crt.	I n s t i t u ţ i a	D o m e n i u l	Perioada	Titlul/postul didactic sau gradul/postul profesional
1	Universitatea Tehnică “Gheorghe Asachi” din Iași	*Constructii și Instalații*	*2007 - 2009*	*Șef de lucrări*
2	Universitatea Tehnică “Gheorghe Asachi” din Iași	*Constructii și Instalații*	*2009 – 2023*	*Conferențiar universitar*
3	Universitatea Tehnică “Gheorghe Asachi” din Iași	*Constructii și Instalații*	*2023- prezent*	*Profesor universitar*

5. Îndeplinirea standardelor minimale ale universităţii

Tabelul 1. Standardul minimal al universităţii SMU.PROF.1 – Activitatea didactică

Standardul minimal al universităţii SMU.PROF.1 – Activitatea didactică	Indicatori de performanţă			Realizări (se trec cifrele de ordine ale realizărilor cuprinse în lista de lucrări, iar, după caz, celelalte realizări se nominalizează explicit)	Punctaj/ realizare	Număr impus de realizări	Număr de realizări ale candidatului	Număr puncte
Valoarea contribuţiilor la dezvoltarea activităţilor didactice / profesionale, prin cărţi/ capitole publicate în edituri recunoscute CNCS, sisteme de laborator funcţionale, metode de lucru avansate aplicate etc. - după caz, cu referire distinctă la realizările după acordarea ultimului titlu didactic/ grad profesional.	Ca	Carte/ curs/ manual publicată în străinătate		1.1; 1.2; 1.3	8	-	3	102,89
		Capitol carte/ curs/ manual publicat în străinătate		3.5 ; 3.24 ; 3.25 ; 3.36 – 3.41	6	-	9	2,376
		Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)		2.2 ; 2.2 ; 2.3	5	1	3	48,28
		Capitol curs/ manual publicat în editură recunoscută CNCS		3.1 – 3.4 ; 3.6 – 3.23 ; 3.26 – 3.35	3	-	32	2,676
	I	Indrumar laborator/ proiect/ lucrări seminar/ culegere de probleme (publicat sau disponibil pe Web)		2.4	4	1	1	9,15
	D	Sisteme de laborator funcţionale (numai pentru disciplinele prevăzute cu lucrări de laborator/	Amenajare lucrare nouă de laborator cu instalaţie experimentală		2	2	2	-
			Amenajare/ concepere lucrare nouă de laborator/ proiect/ simulare pe calculator/ studiu de caz	D.1.1. ; D1.2.	1.5			3

		proiect/ lucrări)	Contribuţie la dotarea laboratoarelor, în valoare echivalentă cu 700 Euro	D.1.3.	1	-	1	1
	W	Utilizarea sistemelor de predare/ învăţare/ evaluare de tip e-learning/ on-line/ multimedia etc.	Suport de studiu/ autoinstruire pe Web pentru seminar, laborator, proiect (integral pentru o disciplină)		1	1	-	-
			Suport de prezentare/ instruire text/ video/ audio/ ppt a disciplinei	D.2.1.	1		1	1
Total puncte SMU.PROF.1 (min. 24)								170,372

Punctajul se calculează conf. Anexei 3.

Alte condiţii:
- deţine diploma de doctor în ramura de ştiinţă corespunzătoare postului sau într-o ramură înrudită;

***Pentru candidaţii care vin din afara Universităţii*:**
- media examenului de finalizare a studiilor universitare de licenţă şi de masterat: minim 9,00
- media generală de şcolaritate: la licenţă minim 8,00, la masterat minim 9,00

14 octombrie 2026

Prof.univ.dr.ing. Ancuța Rotaru

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI

FACULTATEA DE CONSTRUCȚII ȘI INSTALAȚII

DEPARTAMENTUL DE CĂI DE COMUNICAȚII ȘI FUNDAȚII

Ramura de ştiinţă: Inginerie civilă

Domeniul de studii: Inginerie civilă și instalații

FIŞA DE VERIFICARE

pentru postul de profesor universitar

ROTARU ANCUȚA /Data naşterii: **05.02.1962**,

Funcţia actuală: **Profesor universitar abilitat**

Data numirii în funcţia actuală: 20 februarie 2023, cf. Hotărârii Senatului TUIASI nr. 18/10.02.2023, abilitare cf. Ordinului 3149 din 17.02.2022 emis de Ministrul Educației.

Instituţia: **Universitatea Tehnică "Gheorghe Asachi" din Iaşi, Facultatea de Construcții și Instalații, Departamentul de Căi de Comunicații și Fundații.**

Tabelul 1. Condiții minimale/punctaje obținute (în conformitate cu domeniul CNATDCU de la titularizare sau abilitare)

Criterii naționale				
Nr. crt.	Domeniul de activitate	Condiții profesor	Punctaj candidat	Concluzii
1	Activitate didactică/profesională (A1)	Minim 70 puncte	**602,89**	Criteriu îndeplinit
2	Activitate de cercetare (A2)	Minim 300 puncte	**716,02**	Criteriu îndeplinit
3	Recunoașterea și impactul activității (A3)	Minim 80 puncte	**1.942,61**	Criteriu îndeplinit
Total (A=A1+A2+A3)		Minim 450 puncte	**3.261,52**	Criteriu îndeplinit

Scor$_j$ – *Calitatea resursei umane*

$Scor_j^{(U)}$ =

$$\frac{punctaj_CD_j^{(U)}}{punctaj\ minim\ CNATDCU_j^{(U)}} = 3.261,52 / 450 = \mathbf{7,2478}$$

Anexa nr. 6 COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT STANDARDE MINIMALE NECESARE DIN ÎNVĂȚĂMÂNTUL SUPERIOR ȘI A GRADELOR PROFESIONALE DE CERCETARE - DEZVOLTARE

Tabelul 2. Structura activității candidatului

Nr. crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategorii/ Activități	Indicatori/ Punctaj	Îndeplinirea restricțiilor impuse (unde este cazul)
1	**Activitate didactică și profesională (A1)**	1.1. Cărți, cursuri universitare și capitol în cărți de specialitate	1.1.1. Cărți, cursuri universitare / capitole ca autor. Profesor: minimum 2 Conferențiar: minimum 1	10 capitole internaționale	**14,00**	**Da**
				4 cărți 37 capitole naționale	**149,57**	
			1.1.2 Cărți, cursuri universitare / ca editor / coordonator	3 internaționale	**429,32**	**-**
				0 naționale	**-**	
		1.2. Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, Erasmus, Socrates, Leonardo, ș.a.)	Punctaj unic, egal cu unitatea, pentru fiecare activitate (maxim 10 activităţi pentru Profesor; maxim 5 activități pentru Conferențiar)	10 (selectate din peste 60)	**10,00**	**-**

	Activitate de cercetare (A2)	2.1. Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI Proceedings	Minim 8 articole pentru Profesor (minim 2 în reviste cu FI>1 și minim 2 în reviste cu FI>0,5) Minim 5 articole pentru Conferențiar (minim 2 în reviste cu FI>0,5)	nr. total articole: 20 nr. articole cu FI>1: 8 nr. articole cu FI>0,5: 5 nr. articole cu FI<0,5: 2 nr. articole în Proceedings ISI: 5	**269,23**	**Da**
		2.2. Articole în reviste și volumele unor manifestări științifice indexate în baze de date internaționale (Scopus, Wiley, Springer, Science Direct, IEEE, Engineering Village, Proquest, EBSCO).	Minim 12 pentru Profesor Minim 8 pentru Conferențiar	33	**306,79**	**Da**
		2.3. Brevete de invenţie înregistrate la OSIM sau WIPO	-	nr. total: _ nr. cotate ISI: _ nr. internaționale, necotate ISI: _ nr. naționale: _ nr. internaționale: 0	-	**-**
		2.4. Granturi/proiecte câștigate prin competițiile ce finanțează activități de cercetare Director/responsabil proiect	2.4.1. Director / responsabil. Minim 2 pentru Profesor Minim 1 pentru Conferențiar	nr. internaționale: 1	**60,00**	**Da**
				nr. naționale: 4	**50,00**	
			2.4.2. Membru în echipa de implementare a grantului	nr. internaționale: 0	-	**-**
				nr. naționale: 3	**20,00**	**-**
		2.5. Responsabil de proiecte de cercetare/consultanță	-	-	-	**-**

		3.1.		3.1.1 nr. citări în reviste cotate ISI: 109	**1.706,07**	4,99
				3.1.2 nr. citări în volumele unor manifestări științifice indexate ISI: 4	**5.49**	
				3.1.3 nr. citări în reviste cotate BDI: 43	**37,31**	
				3.1.4 nr. citări în volumele unor manifestări științifice indexate BDI: 24	**10,24**	
	Recunoașterea și impactul activității (A3)	3.2. Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și Profesor invitat pentru a susține module de curs/prelegeri (exclusiv ERASMUS)	Punctaj unic pentru fiecare activitate (maxim 10 activități pentru Profesor; maxim 5 activități pentru Conferențiar)	internaționale: 10	**100,00**	**Da**
				naționale: –	–	
		3.3. Membru în colective de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice; Recenzor pentru reviste și manifestări științifice (punctajele sunt unice pentru fiecare categorie și se acordă doar dacă sunt îndeplinite cerințele minimale specificate în coloana alăturată. În cazul revistelor, comitetelor și manifestărilor științifice internaționale valorile minime specificate se împart la 2)	3.3.1 – minimum 2 colective de redacție și minimum 8 recenzii	Membru în colective de redacție sau recenzor pentru reviste cotate ISI: 1 + 4 (internaționale)	**20,00**	**Da**
			3.3.2 – minimum 2 colective de redacție și minimum 8 recenzii	Membru în colective de redacție sau recenzor pentru reviste indexate BDI: 1 + 4 (internaționale)	**6,00**	
			3.3.3 – minimum 2 comitete științifice și minimum 12 recenzii	2 comitete științifice 6 recenzii (internaționale, selecție)	**8,00**	

		3.4. Experiența de management universitar sau de cercetare	3.4.1 Funcții de conducere (rector, prorector, decan, prodecan, director de departament, director școală doctorală, director general, director științific, șef secție, șef laborator)	Administrator șef facultate – Facutatea de Construcții și Instalații, TUIASI 9 ani	**45,00**	-
			3.4.2 Membru în organisme de conducere (senat, consiliul facultății, consiliul științific)	Membru invitat Consiliul Facultății de Construcții și Instalații (ian.1999-oct. 2007) 9 ani	**-**	**-**
				Punctaj total	**3.251,52**	

2 ianuarie 2025

DETALIERE INDICATORI

Activitate didactică și profesională (A1)

1.1. Cărți, cursuri universitare și capitole în cărți de specialitate

1.1.1 Cărți, cursuri universitare / capitol ca autor (cu ISBN)

1.1.1.1. Internaționale

Punctaje Nr.pp/(2xnr autori)	Cărți de specialitate/Capitole de cărți (titlul, autorii, nr. pagini, Editura, ISBN)	Nr. pagini
1	*2*	*3*
- (vezi 2.1.16)	Cornel Panait, Eugen Bârsan, Aida Bulucea, Nikos Mastorakis, Charles Long, Marius Mosoarcă, **Ancuța Rotaru** – Advances in Environmental and Geological Science and Engineering – capitolul „Some Geo-aspects of the Black Sea Basin", pp.169-174, Published by World Scientific and Engineering Academy and Society Press (WSEAS Press), ISBN: 978-960-474-221-9, 2010. http://www.wseas.org/multimedia/books/2010/Constantza/EG.pdf	6
- (vezi 2.2.18)	**Ancuţa Rotaru**, Vasile Boboc - Recent Advances in Electrical Engineering – capitolul ´Physical Properties of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania – A Cement-like Material for Substructure Works´ - ISBN: 978-960-474-182-3, pp.187-193, World Scientific and Engineering Academy and Society Press (WSEAS Press), 2010. http://www.wseas.us/e-library/conferences/2010/Bucharest/RIMA/RIMA-33.pdf	6
- (vei 2.2.19)	Vasile Boboc, **Ancuţa Rotaru**, Andrei Boboc - Recent Advances in Electrical Engineering – capitolul „Mechanical Properties of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania – A Cement-like Material for Substructure Works" ISBN: 978-960-474-182-3, pp.187-193, World Scientific and Engineering Academy and Society Press (WSEAS Press), 2010. http://www.wseas.us/e-library/conferences/2010/Bucharest/RIMA/RIMA-32.pdf	6
- (vezi 2.1.18)	**Ancuţa Rotaru**, Daniel Oajdea, Paulică Răileanu - Environmental Problems and Development – Energy and Environmental Engineering Series – capitolul „Dynamics of a landslide surface", ISBN: 978-960-474-023-9, World Scientific and Engineering Academy and Society Press (WSEAS Press), 2008. http://www.worldses.org/books/2008/bucharest2/environmental-problems-and-development.pdf	6
3,00	**Ancuţa Rotaru**, 2010, Swelling-shrinking Phenomena Recorded on Bahlui Clay Iasi, Development of Urban Areas and Geotechnical Engineering, Vladimir Ulitsky, Michael Lisyuk, Alexei Shashkin (eds.), vol.2, pp.443-448, Published by NPO „Geoconstruction-Fundamentproject", Saint Petersburg, ISBN 978-5-9900771-4-0	6
4,50	**Ancuţa Rotaru**, 2010, Some Processes Responsible for Difficult Foundation Soils in Iasi, Romania, „From research to design in European practice", Jana Frankovská, Jozef Hulla, Martin Ondrášik, Peter Turček (eds.),Published by Slovak University of Technology, Bratislava, Slovakia, ISBN 978-80-227-3279-6.	9
1,50	**Ancuţa Rotaru**, Ana Nicuţă, 2008, Some processes responsible for landslides, Jubilee VSU 2008, Vo.2, pp.VII-65 – VII-70, University of Structural Engineering and Architecture "Lyuben Karavelov" Publishing House, ISBN 978-954-331-020-3	6
1,25	Ana Nicuţă, **Ancuţa Rotaru**, 2008, Analysis of the liquefied soils, Jubilee VSU 2008, Vo.2, pp.VII-71 – VII-75, University of Structural Engineering and Architecture "Lyuben Karavelov" Publishing House, ISBN 978-954-331-020-3.	5
2,50	**Ancuţa Rotaru**, Paulică Răileanu, 2004, Seismic Waves Propagation in Soil Deposits Taking into Account of Soil Stratification, VSU 2004, Vol.1, University of Structural Engineering and Architecture "Lyuben Karavelov" Publishing House, Sofia, Bulgaria, pp.I-90 - I-99, 2004, ISBN 954-91127-7-2(2)	10
1,25	**Ancuţa Rotaru**, Traian-Dănuţ Babor, 2004, Some Criteria for Liquefaction and the Influence of the Geologic Time in Liquefaction Process, VSU 2004, Vol.2, University of Structural Engineering and Architecture "Lyuben Karavelov" Publishing House, Sofia, Bulgaria, p.IV-67 – IV-71, 2004, ISBN 954-91127-6-4(1)	5
14,00	**TOTAL 1.1.1.1.**	

1.1.1.2. Naționale

Rezultate (punctaje) Nr.pp/(5xnr autori)	Cărți de specialitate/Capitole de cărți (titlul, autorii, nr. pagini, Editura, ISBN)	Nr. pagini
1	*2*	*3*
	Cărți de specialitate	
22,00	**Ancuţa Rotaru**, *External Risks Behind Building Decay*, Editura Societăţii Academice "Matei-Teiu Botez" Iaşi, ISBN 978-606-582-144-6, 110 pg., 2022	110
44,40	**Ancuţa Rotaru**, *Starea de tesiuni în masivele de pământ ce suportă construcţii*, Editura Societăţii Academice "Matei-Teiu Botez" Iaşi, ISBN 978-8955-48-6, 222 pg., 2009	222
28,10	**Ancuţa Rotaru**, Paulică Răileanu, *Elemente de geologie*, Editura Societăţii Academice "Matei-Teiu Botez" Iaşi, ISBN 973-7962-42-7, 281 pg., 2004	281
31,20	**Ancuţa Rotaru**, Paulică Răileanu, *Geotechnics – Laboratory Works*, Editura Societăţii Academice "Matei-Teiu Botez" Iaşi, ISBN 973-7962-51-6, 312 pg., 2004	312
	Capitole de cărți	
0,80	Pavel Ioniţoaiei, **Ancuța Rotaru**, 2023, Optimization of Port Infrastructure Works Based on Methods of Reducing Ground Settlements, European Geotechnical Engineering – Unity and Diversity: Proceedings of the 17th Danube – European Conference on Geotechnical Engineering, Irina Lungu, Iancu-Bogdan Teodoru, Loretta Batali (eds), Politehnium Publishing House, ISBN: 978-973-621-522-3.	8
0,80	Răducu-Mihai Geantău, **Ancuța Rotaru**, Traian-Dănuț-Babor, 2023, *Seepage Reduction in the Limestone Foundations of Historic Buildings Using Calcium Oxalate,* European Geotechnical Engineering – Unity and Diversity: Proceedings of the 17th Danube – European Conference on Geotechnical Engineering, Irina Lungu, Iancu-Bogdan Teodoru, Loretta Batali (eds), Politehnium Publishing House, ISBN: 978-973-621-522-3.	8
0,30	Alexandru Timu, G.Bejan, Marinela Bărbuță, **Ancuța Rotaru**, 2018, Effects of Aggregate Substitution on the Characteristics of Lightweight Polymer Concrete –"Tradition and Innovation - 65 Years of Constructions in Transilvania", U.T.Press, Cluj-Napoca, ISBN 978-606-737-326-4.	6
0,30	Vlad Aşuencei, Daniel Alupoae, **Ancuţa Rotaru**, Paulică Răileanu, 2011, Considerations on the Hydrostatic Level of Moineşti Area, Romania, "DEDUCON – Sustainable Development in Civil Engineering", Dedicated to the 70 Anniversary of Higher Education in Civil Engineering at Iași, Editura Societății Academice „Matei-Teiu Botez", Iasi, ISBN 2248-0293	6
0,50	**Ancuţa Rotaru**, Paulică Răileanu, 2009, Landslide in Parcovaci, Iasi County, "Managing Operational Risk on Roads", pp.156-160, Editura Impakt, ISBN 978-973-87102-1-4	5
0,20	Vasile Boboc, Radu Andrei, **Ancuța Rotaru**, Elena Pușlău, Andrei Boboc, A.Amarie, 2009, PIARC Methodology of Identification and Evaluation of the Risk on the Road Network, „ Managing Operational Risk on Roads", pp.150-155, Editura Impakt, ISBN 978-973-87102-1-4	6
0,40	**Ancuţa Rotaru**, Vasile Boboc, 2008, Calculul tensiunilor de forfecare dintr-un masiv de pământ, determinate de o suprafaţă încărcată, utilizând metoda sectorului, „Probleme actuale ale urbanismului şi amenajării teritoriului", Sergiu Calos (ed.), Vol.I, Secţia Drumuri, materiale şi mecanizarea construcţiilor, pp.197-200, Editura CEP a Universității de Stat din Moldova, Chişinău, ISBN 978-9975-70-775-6	4
0,80	**Ancuţa Rotaru**, 2007, Some consideration upon Landslide Repair and Correction, Adapting Road Earthworks to the Local Environment, N. Tăutu,	4

	C. Ionescu, R. Andrei, R. Scânteie (eds.), Colecția Manifestări Științifice, Editura Societăţii Academice “Matei-Teiu Botez”, Iasi, pp.235-248, 2007, ISBN 978-9738955-09-7	
0,40	**Ancuţa Rotaru**, Paulică Răileanu, Petru Rotaru, 2004, Particularităţi ale curgerii lente la argile, „Probleme actuale ale urbanismului şi amenajării teritoriului”, Vol.3, Secţia Drumuri, materiale şi mecanizarea construcţiilor, pp.244-249, 2004, Editura CEP a Universității de Stat din Moldova, Chisinau, ISBN 9975-70-445-X	6
0,40	**Ancuţa Rotaru**, Paulică Răileanu, Petru Rotaru, 2004, Expresiile funcţiilor tensiune-deformaţie-timp ce caracterizează curgerea lentă la pământuri, „Probleme actuale ale urbanismului şi amenajării teritoriului”, Vol.3, Secţia Drumuri, materiale şi mecanizarea construcţiilor, pp.250-255, Editura CEP a Universității de Stat din Moldova, Chisinau, ISBN 9975-70-445-X	6
0,60	**Ancuţa Rotaru**, Paulică Răileanu, 2004, De ce este necesară cunoaşterea stării de tensiuni în masivele de pământ acţionate de construcţii inginereşti, „Ştiinţa şi învăţământul – fundamente ale secolului al XXI-lea”, Vol.IV, pp.139-144, Editura Academiei Forţelor Terestre „Nicolae Bălcescu”, Sibiu, ISBN 973-7809-04-1	6
0,60	**Ancuţa Rotaru**, Paulică Răileanu, 2004, Deformaţiile axiale şi K_o determinate pe probe de argilă saturată normal consolidată anizotrop supusă la încercări de încărcare-descărcare, „Ştiinţa şi învăţământul – fundamente ale secolului al XXI-lea”, Vol.IV, pp.139-144, Editura Academiei Forţelor Terestre „Nicolae Bălcescu”, Sibiu, ISBN 973-7809-04-1	6
0,70	**Ancuţa Rotaru,** Traian Dănuţ Babor**,** 2004 Basic Concepts and Methods of Probability in Geotechnical Engineering, “Performance Based Engineering for 21st Century”, Multidisciplinary Center for Education, Research and Quality Management, pp. 342-348, Editura Cermi, ISBN 973-667-063-5.	7
0,70	**Ancuţa Rotaru,** Traian Dănuţ Babor, 2004, Stability Coefficients versus Stability Evaluation using Finite Element-Neural Network Hybrid Algorithms for Earth Slopes Analysis, “Computational Civil Engineering. 2004”, pp.236-242, Editura Societăţii Academice „Matei-Teiu Botez”, Iasi, ISBN 973-7962-50-8	7
0,70	**Ancuţa Rotaru,** Traian Dănuţ Babor**,** 2004, Deformability Analysis of Rock for Homogenous and Discontinuous Multi-Crack Masses, “Computational Civil Engineering”, Editura Societăţii Academice „Matei-Teiu Botez”, Iasi, pp.229-235, ISBN 973-7962-50-8	7
0,80	Traian Dănuţ Babor**, Ancuţa Rotaru**, 2004, Fault Trees, “Computational Civil Engineering”, pp.194-201, Editura Societăţii Academice „Matei-Teiu Botez”, Iasi, ISBN 973-7962-50-8	8
0,90	Traian Dănuţ Babor**, Ancuţa Rotaru**, 2004, Unitary Methodology of Investigation, “Computational Civil Engineering. 2004”, Editura Societăţii Academice „Matei-Teiu Botez”, Iasi, pp.202-210, ISBN 973-7962-50-8	9
1,60	**Ancuţa Rotaru**, 2004, Stabilirea unor relaţii între tensiunea efectivă şi umiditate la argilele saturate*,* A X-a Conferinţă Naţională de Geotehnică şi Fundaţii, Bucureşti, Vol.1, pp.141-148, Editura Conspress, ISBN 973-7797-20-5	8
0,60	**Ancuţa Rotaru**, Paulică Răileanu, 2004, Comportarea argilelor la încărcare ciclică, A X-a Conferinţă Naţională de Geotehnică şi Fundaţii, Bucureşti, 16-18 septembrie 2004, Vol.1, pp.153-158, Editura Conspress, ISBN 973-7797-20-5	6
0,80	**Ancuţa Rotaru***,* 2004, Încercări la tensiune pe probe de argilă saturată normal consolidată anizotrop supusă la încercări de încărcare-descărcare asupra rezistenţei şi deformaţiilor în timp ale pământurilor, CIB 2004, Vol.2, Editura Universităţii Transilvania-Braşov, pp.219-222, ISBN 973-635-411-3	4
0,30	**Ancuţa Rotaru**, Traian-Dănuţ Babor, Paulică Răileanu, Petru Rotaru, 2004, Influenţa particularităţilor stării de tensiuni asupra rezistenţei şi deformaţiilor în timp ale pământurilor, CIB 2004, Vol.2, Editura Universităţii Transilvania-Braşov, pp.161-166, ISBN 973-635-411-3	6

0,40	Traian-Dănuţ Babor, **Ancuţa Rotaru**, Petru Rotaru, 2004, Inside Corrosion of Hot Water System of Pipelines, CIB 2004, Vol.1, Editura Universităţii Transilvania-Braşov, pp.299-304, ISBN 973-635-410-5	6
0,40	**Ancuţa Rotaru**, Traian-Dănuţ Babor, 2004, Building Shapes and Heat Loss or Gain, CIB 2004, Braşov, 18 – 19 noiembrie 2004, Vol.2, Editura Universităţii Transilvania-Braşov, pp.219-222, ISBN 973-635-411-3	4
0,60	**Ancuţa Rotaru**, Paulică Răileanu, 2004, Alunecările de teren – catastrofe majore, „Disaster and Pollution Monitoring", Pollution Section, Editura Performantica, pp.357-362, ISBN 973-730-004-1	6
1,20	**Ancuţa Rotaru**, 2004, Knowing the Complex of Consequences Produced by Earthquakes in order to Increase the Safety of Buildings, "New Solutions for Essential Requirements in Buildings", pp.160-165, Editura Societăţii Academice „Matei-Teiu Botez", Iasi, ISBN 973-7962-49-4	6
1,80	**Ancuţa Rotaru**, 2004, Systems for the remediation of the Quality of the Contaminated Groundwater, "New Solutions for Essential Requirements in Buildings" (SIEC), pp.174-182, Editura Societăţii Academice „Matei-Teiu Botez", Iasi, ISBN 973-7962-49-4	9
0,50	Paulică Răileanu, **Ancuţa Rotaru**, 2004, Caracteristicile terenului de fundare pentru Mănăstirea Trei Ierarhi din Iaşi, SELC Ediţia a XVI-a, Editura MAN-DELY Bucureşti, ISBN 973-85681-8-8, pp.47-51, 2004	5
0,40	**Ancuţa Rotaru**, Paulică Răileanu, Influenţa anizotropiei terenurilor de fundare asupra stării de tensiuni, A X-a Conferinţă Naţională de Geotehnică şi Fundaţii, Bucureşti, 16-18 septembrie 2004, Vol.1, pp.149-152, 2004, ISBN 973-7797-20-5	4
1,10	Paulică Răileanu, **Ancuţa Rotaru**, 2004, Studii privind caracteristicile terenului de fundare pentru amplasamentul bisericii Trei Ierarhi din Iaşi, „Monumentul – tradiţie şi viitor" Ed. V, pp.261-271, Editura Trinitas Iaşi, ISBN 973-8179-57-2	11
0,47	**Ancuţa Rotaru**, Paulică Răileanu, Petru Rotaru, 2001, Folosirea deşeurilor la realizarea fundaţiilor lucrărilor de infrastructuri pentru transporturi rutiere, „Infrastructuri eficiente pentru transporturile terestre", Vol.II, pp.487-493, Editura SOLNESS Timişoara, ISBN 973-8145-41-4	7
0,60	**Ancuţa Rotaru**, Petru Rotaru, 2001, Consideraţii asupra influenţei anizotropiei în determinarea stării de tensiuni în masivele de pământ, „Realizări şi perspective în activitatea de construcţii şi în învăţământul de specialitate", Vol.I, Secţiunea C Geotehnică, topografie, căi de comunicaţii, pp.93-98, Editura Societăţii Academice „Matei-Teiu Botez", ISBN 973-85050-4-6	6
0,80	Paulică Răileanu, **Ancuţa Rotaru**, 2001, Folosirea deşeurilor în ingineria geotehnică, Tehnomil 2001, Subsecţiunea 1.4.b Chimie. Ecologie. Geniu. Construcţii. Editura Academiei Forţelor Terestre „Nicolae Bălcescu", pp. 47-54, 2001, ISBN 973-8088-48-8	8
0,53	**Ancuţa Rotaru**, Paulică Răileanu, Petru Rotaru, 2001, Depozite geotehnice de adâncime pentru stocarea deşeurilor nucleare, Tehnomil 2001, Subsecţiunea 1.4.b Chimie. Ecologie. Geniu. Construcţii, pp.63-70, Editura Academiei Forţelor Terestre „Nicolae Bălcescu", ISBN 973-8088-48-8	8
0,53	**Ancuţa Rotaru**, Paulică Răileanu, Petru Rotaru, 2001, Asupra posibilităţilor de protecţie a apei subterane şi folosirea ei în scopuri ecologice, Tehnomil 2001, Subsecţiunea 1.4.b Chimie. Ecologie. Geniu. Construcţii, pp.55-62, Editura Academiei Forţelor Terestre „Nicolae Bălcescu", ISBN 973-8088-48-8	8
0,67	**Ancuţa Rotaru**, Paulică Răileanu, Ahmad Talhouni, Aspecte teoretice şi de calcul privind starea de tensiune a pământurilor supuse la încercări dinamice, A IX-a Conferinţă Naţională de Geotehnică şi Fundaţii, Cluj-Napoca, 27-29 septembrie 2000, Vol.I, pp.247-256, Editura U.T. PRES, ISBN 973-9471-58-7	10
0,40	**Ancuţa Rotaru**, Paulică Răileanu, Influenţa anizotropiei masivelor de pământ acţionate de construcţii inginereşti în determinarea distribuţiei tensiunilor în	4

	teren, A VIII-a Conferinţă Naţională de Geotehnică şi Fundaţii, Iaşi, 25-28 septembrie 1996, Vol.II, pp.629-632, Editura ANKAROM, ISBN 973-97898-3-8	
0,27	**Ancuţa Rotaru**, Paulică Răileanu, Ana Nicuţă, Influenţa stratificaţiei terenului în determinarea stării de tensiuni şi alegerea sistemului de fundare, A VIII-a Conferinţă Naţională de Geotehnică şi Fundaţii, Iaşi, 25 - 28 septembrie 1996, Vol.2, pg.625 – 628, Editura ANKAROM, ISBN 973-97898-3-8	4
(23,87)		
149,57	**TOTAL 1.1.1.2.**	

1.1.2 Cărți, cursuri universitare / capitole de cărți ca editor / coordonator

1.1.1.1. Internaționale

Rezultate (punctaje) Nr.pp/(3xnr autori)	**Cărți de specialitate/Capitole de cărți (titlul, autorii, nr. pagini, Editura, ISBN)**	Nr. pagini
1	*2*	*3*
11,43	Advances in Environmental and Geological Science and Engineering – Editors: Cornel Panait, Eugen Bârsan, Aida Bulucea, Nikos Mastorakis, Charles Long. Associate editors: Marius Mosoarcă, **Ancuța Rotaru**, Published by World Scientific and Engineering Academy and Society Press (WSEAS Press), ISBN: 978-960-474-221-9, 2010. http://www.wseas.org/multimedia/books/2010/Constantza/EG.pdf	240
205,00	Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment (CRIT-RE-BUILT), Springer Series in Geomechanics and Geoengineering, **Ancuţa Rotaru**, Editor, Springer Nature Switzerland Publishing House, ISBN 978-3-030-61117-0, 2021. https://www.springer.com/gp/book/9783030611170	615
26,22	Studies on Sustainable Rehabilitation of the Built Environment, *Sustainability* Special Issue, journal impact factor 3.889, Editors: Dashnor Hoxha, **Ancuța Rotaru**, Wei Wu, MDPI Academic Open Access Publishing, 2022. https://www.mdpi.com/journal/sustainability/special_issues/sustainable_rehabilitation_built_environment	236
186,67	Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment (KNOW-RE-BUILT), Springer Series in Geomechanics and Geoengineering, **Ancuţa Rotaru**, Editor, Springer Nature Switzerland Publishing House, Hardcover ISBN 978-3-031-43454-9, 2024. https://link.springer.com/book/9783031434549	560
429,32	**TOTAL 1.1.2.**	

1.2. Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale.

Maximum 10 activități

Nr crt	Rezultate (punctaj)	Denumirea programului *(selecție)*
0	*1*	*2*
1	1,00	Program Erasmus+ KA103 – Brno University of Technology, Brno, Rep. Cehă 2011/2014; 2014/2021
2	1,00	Program Erasmus+ KA103 – Universite Lille 1, Lille, Franța 2011/2014; 2015/2021
3	1,00	Program Erasmus+ KA103 – Fachhochschule Koln, Koln, Germania; 2011/2014; 2014/2021
4	1,00	Program Erasmus+ KA103 – Universita degli Studi di Padova, Padova, Italia; 2012/2014; 2014/2021
5	1,00	Program Erasmus+ Ka103 – Universidad Politecnica de Madrid, Spania; 2011/2014; 2014/2021
6	1,00	Program Erasmus+ KA107 – Indian Institute of Technology Bombay (IITB), Mumbai, India 2016/2021
7	1,00	Program Erasmus+ KA107 – Tsinghua University, Beijing, China 2016/2021
8	1,00	Program Erasmus+ KA107 – Universidad Andres Bello, Santiago de Chile, Chile 2016/2021
9	1,00	Program Erasmus+ KA171 – University of Pretoria, Pretoria, Africa de Sud 2022/2027
10	1,00	Program Erasmus+ KA171 – University of Montevideo, Montevideo, Uruguay 2022/2027
	10,00	**TOTAL 1.2***

*Pentru runda 2016/2018, am coordonat în proporție de 100% fondurile Erasmus+ KA107 pentru mobilități câștigate de Universitatea Tehnică „Gheorghe Asachi" din Iași cu țări partenere în urma depunerii aplicației Erasmus+ KA107, iar 100% din aceste fonduri au fost absorbite.

TOTAL Activitate didactică și profesională (A1)	**602,89**

Activitatea de cercetare (A2)

2.1. Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI Proceedings

1	Vasile-Mircea Venghiac, Cerasela-Panseluța Neagu, George Țăranu, **Ancuța Rotaru**, 2023, Time History Analyses of a Masonry Structure for a Sustainable Technical Assessment According to Romanian Design Codes, Sustainability, **15**, no. 4:2932. https://doi.org/10.3390/su15042932	(25 + 20 x 3,889)/4 = 25,70
2	Pavel Ionițoaiei, **Ancuța Rotaru**, 2023, Studies on Heavy Duty Pavements Reinforced with Steel Fibers for Port Infrastructures, IOP Conference Series: Materials Science and Engineering, Volume 1283, 17th International Scientific Conference - Civil Engineering and Building Services 03/11/2022 - 04/11/2022 Braşov, Romania https://doi.org/10.1088/1757-899X/1283/1/012006	25/5 = 5,00
3	**Ancuța Rotaru**, Bejan Florin, Dalia Almohamad, 2022, Sustainable Slope Stability Analysis: A Critical Study on Methods, Sustainability, **14**, no. 14: 8847. https://doi.org/10.3390/su14148847	(25 + 20 x 3,889)/3 = 34,26
4	Dashnor Hoxha, Brahim Ismail, **Ancuța Rotaru**, David Izabel, Thibaut Renaux. 2022, Assessment of the Usability of Some Bio-Based Insulation Materials in Double-Skin Steel Envelopes, Sustainability, **14**, no. 17: 10797. https://doi.org/10.3390/su141710797	(25 + 20 x 3,889)/5 = 20,56
5	Sergiu-Mihai Alexa-Stratulat, Daniel Covatariu, Ana-Maria Toma, **Ancuța Rotaru**, Gabriela Covatariu, Ionuț-Ovidiu Toma, 2022, Influence of a Novel Carbon-Based Nano-Material on the Thermal Conductivity of Mortar, Sustainability, **14**, no. 13: 8189. https://doi.org/10.3390/su14138189	(25 + 20 x 3,889)/6 = 17,13

6	George Taranu, Vasile-Mircea Venghiac, Ioana Olteanu-Dontov, **Ancuța Rotaru**, Ionut-Ovidiu Toma, 2022, Sustainable Design for CFS Structures: Experimental Data and Numerical Models of Hinged Connections, Sustainability, **14**, no. 13: 7813. https://doi.org/10.3390/su14137813	(25 + 20 x 3,889)/5 = 20,56
7	Hajar Kaddouri, Toufik Cherradi, Ibtissam Kourdou, **Ancuța Rotaru**, Nicolae Țăranu, Marinela Bărbuță, 2021, Tensile behaviour of glass fibres reinforced cementitious matrix for masonry strengthening, Romanian Journal of Materials, **51**(4): 520 – 527. https://solacolu.chim.upb.ro/pg520-527.pdf	(25 + 20 x 0,563)/6 = 6,04
8	Yasmina Ed-Dariy, Nouzha Lamdouar, Toufik Cherradi, **Ancuța Rotaru**, Marinela Barbuță, Petru Mihai, 2021, The Influence of the Curing Conditions on the Behavior of Jute Fibers Reinforced Concrete Cylinders, Periodica Polytechnica Civil Engineering, 65(4): 1162–1173. https://pp.bme.hu/ci/article/view/18331/9137	(25 + 20 x 1,361)/6 = 8,70
9	Sanaa El Malyh, Azzeddine Bouyahyaoui, Toufik Cherradi, **Ancuța Rotaru**, 2021, Experimental investigation on bond strength of CFRP applied to masonry prism, Romanian Journal of Materials, **51**(3): 456-463. https://solacolu.chim.upb.ro/pg456-463.pdf	(25 + 20 x 0,563)/4 = 9,07
10	Yasmina Ed-Dariy, Nouzha Lamdour, Toufik Cherradi, **Ancuța Rotaru**, Marinela Barbuță, Petru Mihai, 2020, Effect of alkali treatment of Jute fibers on the compressive strength of normal-strength concrete members strengthened with JFRP composites, Journal of Applied Science and Engineering, 23(4): 677-685. http://jase.tku.edu.tw/articles/jase-202012-23-4-12.pdf	(25 + 20 x 0,280)/6 = 5,10
11	Hajar Kaddouri, Toufik Cherradi, Ibtissam Kourdou, **Ancuța Rotaru**, Nicolae Țăranu, Petru Mihai, 2020, Fabric-reinforced Cementitious Matrix (FRCM) versus Fibre-reinforced Plastic (FRP) in Unreinforced Masonry Walls Subjected to Diagonal Compression, Romanian Journal of Materials, 50(3): 429 – 437. http://solacolu.chim.upb.ro/pg429-437.pdf	(25 + 20 x 0,542)/6 = 5,97
12	Monther Abdelhadi, **Ancuța Rotaru**, Nafeth Abdel Hadi, Nicolae Țăranu, Andrei Boboc, Oana Mihaela Banu, 2019, The Influence of Bituminous Oil Shale Ashes on the Characteristics of Stabilized Silty-sandy Brown Clays, Romanian Journal of Materials, **49**(4): 581-590. http://solacolu.chim.upb.ro/pg581-590.pdf	(25 + 20 x 0,628)/6 = 6,26
13	**Ancuţa Rotaru**, Vasile Boboc, Nicolae Țăranu, Monther Abdelhadi, Andrei Boboc, Oana-Mihaela Banu, 2019, The compressive behaviour of aggregates cemented with fly ash collected from coal-fired power plants, Romanian Journal of Materials, **49**(1): 141-147. http://solacolu.chim.upb.ro/p141-147.pdf	(25 + 20 x 0,650)/6 = 6,33
14	Daniel Lepadatu, D.I. Morariu, Toufik Cherradi, **Ancuța Rotaru,** Loredana Judele, 2019, Smart Technology Optimization by Multicriteria Analysis of Civil Engineering Structure in Service Stage through Topo-Geodetic Monitoring, SCA '19: Proceedings of the 4th International Conference on Smart City Applications, Casablanca, Morocco, October 2019. https://dl.acm.org/doi/abs/10.1145/3368756.3369055 https://www.scopus.com/authid/detail.uri?authorId=26022121700	25/5= 5,00
15	Giovanni Zanvettor, Alexandru Timu, **Ancuța Rotaru**, Liliana Bejan, Marinela Barbuță, 2019, Tensile Properties of Green Polymer Concrete, The 12th International Conference Interdisciplinarity in Engineering, Procedia Manufacturing **32** (2019) 248–252, ScienceDirect, Published by Elsevier. https://www.sciencedirect.com/journal/procedia-manufacturing/vol/32	25/5 = 5,00
16	Monther Abdelhadi, **Ancuța Rotaru**, Maria Gavrilescu, Nicolae Țăranu, 2018, Compressive Strength Analysis on Problematic Soils Stabilized with Fly Ash in Jordan, Environmental Engineering & Management Journal (EEMJ) **17**(8): 1855-1861. http://eemj.eu/index.php/EEMJ/article/view/3648	(25 + 20 x 1,186)/4 = 12,18
17	**Ancuţa Rotaru**, Chavdar Kolev, 2010, Addressing Issues of Geoenvironmental Risks in Dobruja, Romania/Bulgaria, Environmental Engineering and Management Journal (EEMJ), **9**(7): 961-969. http://www.eemj.icpm.tuiasi.ro/pdfs/vol9/no7/14_100_Rotaru_10.pdf, http://eemj.eu/index.php/EEMJ/article/view/590	(25 + 20 x 1,435)/2 = 26,85

18	**Ancuţa Rotaru**, Some Geo-aspects of the Black Sea Basin, 2010, Poceedings of the 3rd International Conference on Environmental and Geological Science and Engineering (EG '10), Constantza Maritime University (CMU), 3-5 September 2010, Constanta, in Advances in Environmental and Geological Science and Engineering, Published by World Scientific and Engineering Academy and Society Press (WSEAS Press), pp.169-174, ISSN: 1792-4685, ISBN: 978-960-474-221-9, http://www.wseas.us/conferences/2010/constantza/eg/	25/1 = 25,00
19	**Ancuţa Rotaru**, Paulică Răileanu, 2008, Groundwater contamination from waste storage works, Environmental Engineering and Management Journal, Editura EcoZONE, ISSN: 1582-9596, **7**(6): 731-735. http://www.eemj.icpm.tuiasi.ro/pdfs/vol7/no6/19_Ancuta%20Rotaru.pdf	(25 + 20 x 0,368)/2 = 16,18
20	**Ancuţa Rotaru**, Daniel Oajdea, Paulică Răileanu, 2008, Dynamics of a landslide surface, Environmental Problems and Development – Energy and Environmental Engineering Series, Published by World Scientific and Engineering Academy and Society Press, pp.22-27, ISSN: 1790-5095, ISBN: 978-960-474-023-9. http://www.worldses.org/books/2008/bucharest2/environmental-problems-and-development.pdf	25/3 = 8,34
		269,23

2.2. Articole în reviste și volumele unor manifestări științifice indexate în baze de date internaționale (Scopus, Wiley, Springer, Science Direct, IEEE, Engineering Village, Proquest, EBSCO)

1	**Ancuța Rotaru**, Florin Bejan, 2024, Modelling of Critical Slip Surface Geometry for Sustainable Slope Stability Analysis. In: Rotaru, A. (eds) Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment. KNOW-RE-BUILT 2021. Springer Series in Geomechanics and Geoengineering. Springer, Cham. https://link.springer.com/chapter/10.1007/978-3-031-43455-6_1	10,00
2	George Țăranu, Vasile Mircea Venghiac, **Ancuța Rotaru**, Ioana Olteanu, Ionuț Ovidiu Toma, 2024, Experimental Tests of T-Joints Made of Thin-Walled Cold-Formed Steel Profiles Assembled with Steel Rivets. In: Rotaru, A. (eds) Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment. KNOW-RE-BUILT 2021. Springer Series in Geomechanics and Geoengineering. Springer, Cham. https://link.springer.com/chapter/10.1007/978-3-031-43455-6_20	5,00
3	Sergiu Mihai Alexa-Stratulat, Daniel Covatariu, Ana Maria Toma, **Ancuța Rotaru**, Gabriela Covatariu, Ionuț Ovidiu Toma, 2024, Assessment of Thermal Conductivity of Mortar with a Novel Carbon Based Nano-material. In: Rotaru, A. (eds) Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment. KNOW-RE-BUILT 2021. Springer Series in Geomechanics and Geoengineering. Springer, Cham https://link.springer.com/chapter/10.1007/978-3-031-43455-6_22	3,33
4	Răducu-Mihai Geantău, **Ancuța Rotaru**, Traian-Dănuț Babor, 2024, Evolution of Studies on Biomimetic Materials with Applications in Reducing Infiltration by Electrodrainage on Infrastructure Works, Conference Proceedings of the Academy of Romanian Scientists, PRODUCTICA, Scientific Session, **16**(1), Academia Oamenilor de Știință din România, ISSN 2067-9564 https://www.aos.ro/wp-content/proceedings/PVol16Nr1Art.2.pdf	6,67
5	Yasmina Ed-Dariy, Nouzha Lamdouar, Toufik Cherradi, **Ancuța Rotaru**, Marinela Bărbuță, Petru Mihai, Loredana Judele, 2020, Effect of surface treatment on the behavior of square concrete members confined by JFRP composites, 2nd International Conference on Advanced Technologies for Humanity (ICATH'2020), November 20-21, 2020, Rabat. Morocco. https://www.scitepress.org/PublicationsDetail.aspx?ID=YGdBY3gaip0=&t=1	2,86
6	Yasmina Ed-Dariy, Nouzha Lamdouar, Toufik Cherradi, **Ancuța Rotaru**, Marinela Barbuta, Petru Mihai, Loredana Judele, 2020, The Behavior of Concrete Cylinders	2,86

	Confined by JFRP Composites: Effect of KOH Solution, 5th World Congress on Civil, Structural, and Environmental Engineering (CSEE'20) virtually, October 18 – 20, 2020 https://avestia.com/CSEE2020_Proceedings/files/CSEE20%20Proceedings.pdf	
7	Yasmina Ed-Dariy, Nouzha Lamdouar, Toufik Cherradi, **Ancuța Rotaru**, Marinela Bărbuță, Petru Mihai, Loredana Judele, 2020, Experimental Investigation of the Effects of Naoh and KOH Solution on the Behavior of Concrete Square Columns Reinforced By JFRP Composites, 5th World Congress on Civil, Structural, and Environmental Engineering (CSEE'20) virtually, October 18 – 20 2020. https://avestia.com/CSEE2020_Proceedings/files/CSEE20%20Proceedings.pdf	2,86
8	**Ancuța Rotaru,** Radu-Aurel Pescaru, Ioana Olteanu-Donţov, Alina-Mihaela Nicuţă, Petru Mihai, Vasilică Ciocan, Marius-Costel Balan, 2021, Hazard Risk Mitigation for a Sustainable Built Environment. In: Rotaru A. (ed) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019, pp.3-34. Springer Series in Geomechanics and Geoengineering. https://link.springer.com/chapter/10.1007/978-3-030-61118-7_1	2,86
9	**Ancuța Rotaru**, Gupinath Bhandari, 2021, The Impact of Environmental Degradation: Atmospheric and Geological Issues in Built Areas. In: Rotaru A. (ed) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019, pp.35-46. Springer Series in Geomechanics and Geoengineering. https://link.springer.com/chapter/10.1007/978-3-030-61118-7_2	10,00
10	**Ancuța Rotaru**, Dana-Mădălina Pohrib, 2021, Stabilization of Roads Located on Banks of Mountain Flowing Waters. In: Rotaru A. (ed) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019, pp.130-141. Springer Series in Geomechanics and Geoengineering. https://link.springer.com/chapter/10.1007/978-3-030-61118-7_11	10,00
11	Marinela Bărbuță, **Ancuța Rotaru**, Traian-Dănuț Babor, 2021, Mechanical Characteristics of Polymer Concrete with Different Waste Replacements. In: Rotaru A. (ed) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019, pp. 200-206. Springer Series in Geomechanics and Geoengineering. https://link.springer.com/chapter/10.1007/978-3-030-61118-7_17	6,67
12	Luis Jose Andrade Pais, Paulo Eduardo Maia de Carvalho, Luis Manuel Ferreira Gomes, **Ancuța Rotaru**, 2021, Mechanical Bevahiour of an Unsaturated Soil Associated with Seepage. In: Rotaru A. (eds) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019, pp.229-240. Springer Series in Geomechanics and Geoengineering. https://link.springer.com/chapter/10.1007/978-3-030-61118-7_20	5,00
13	Sanaa Elmalyh, Azzeddine Bouyahyaoui, Toufik Cherradi, **Ancuța Rotaru**, Petru Mihai, 2020, Shear Strength of Unreinforced Masonry Walls Retrofitted with CFRP, *Advances in Science, Technology and Engineering Systems Journal (ASTESJ),* 5(2), 351-359, ISSN: 2415-6698. https://astesj.com/v05/i02/	4,00
14	Sanaa Elmalyh, Azzeddine Bouyahyaoui, Toufik Cherradi, **Ancuța Rotaru**, Petru Mihai, 2020, In-Plane Shear Behavior of Unreinforced Masonry Walls Strengthened with Fiber Reinforced Polymer Composites, *Advances in Science, Technology and Engineering Systems Journal (ASTESJ)*, J. 5(2), 351-359. https://astesj.com/v05/i02/	4,00
15	Alexandru Timu, G. Bejan, G. Sosoi, Marinela Bărbuță, **Ancuța Rotaru**, 2019, Mechanical Characteristics of Lightweight Concrete Obtained by Aggregate Replacement, *Bulletin of the Transilvania University of Brașov,* **59**(1), 181-186. http://webbut.unitbv.ro/BU2018/Series%20I/Contents_I_CIB_CE.html	4,00
16	Andrei Boboc**, Ancuţa Rotaru**, Vasile Boboc, Gupinath Bhandari, 2017, An Approach to Identify the Impact of Human Intervention on Major Defects in Road Design, Construction and Maintenance, *Advanced Engineering Forum*, Proceedings of EBUILT International Conference, November 16-19, 2016, Iași, Romania, 21: 327-334. https://www.scientific.net/AEF.21.327	5,00

17	**Ancuţa Rotaru**, Gupinath Bhandari, 2017, Bridging New Solutions for Sustainable Rehabilitation of Structures Damaged Due to Difficult Soils or Foundation Design, *Advanced Engineering Forum*, Proceedings of EBUILT International Conference, November 16-19, 2016, Iași, Romania, **21**: 346-351. https://www.scientific.net/AEF.21.346	10,00
18	Vasile Boboc, **Ancuţa Rotaru**, Andrei Boboc, Gupinath Bhandari, 2017, Site Soil Investigations for Road Rehabilitation, *Advanced Engineering Forum*, Proceedings of EBUILT International Conference, November 16-19, 2016, Iași, Romania, 21: 372-379. https://www.scientific.net/AEF.21.372	5,00
19	Smita Tung, Kaustuv Bhattacharya, Gupinath Bhandari, Sibapriya Mukherjee, **Ancuţa Rotaru**, Vasile Boboc, 2017, Stability Analysis of the Earth Embankments Subjected to Natural Cyclic Processes, *Advanced Engineering Forum*, Proceedings of EBUILT International Conference, November 16-19, 2016, Iași, Romania, 21: 389-396. https://www.scientific.net/AEF.21.389	3,33
20	**Ancuţa Rotaru**, 2011, Landslides Triggered in Hard Soils and Soft Rocks in Romania, Proceedings of the 15th European Conference on Soil Mechanics and Geotechnical Engineering - Geotechnics of Hard Soils – Weak Rocks, Edited by Andreas Anagnostopoulos, Michael Pachakis, Christos Tsatsanifos, IOS Press, ISBN 978-1-60750-800-7, DOI: 10.3233/978-1-60750-801-4-1383, pp. 1383 – 1387, Atena, Grecia, 12-15 septembrie 2011. http://www.booksonline.iospress.nl/Content/View.aspx?piid=21317	20,00
21	**Ancuţa Rotaru**, Vasile Boboc, 2010, Physical Properties of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania – A Cement-like Material for Substructure Works, – Recent Advances in Risk Management, Assessment and Mitigation, Poceedings of the International Conference on Risk Management, Assessment and Mitigation (RIMA'10), Universitatea Politehnica, Bucharest, Romania, April 20-22, 2010, in *Recent Advances in Electrical Engineering* Published by World Scientific and Engineering Academy and Society Press (WSEAS Press), 187-193, ISSN: 1790-2769, ISBN: 978-960-474-182-3. www.imst.pub.ro/userfiles/Joint%20program.pdf https://www.scopus.com/authid/detail.uri?authorId=26022121700	10,00
22	Vasile Boboc, **Ancuţa Rotaru**, Andrei Boboc, 2010, Mechanical Properties of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania – A Cement-like Material for Substructure Works, Recent Advances in Risk Management, Assessment and Mitigation, Poceedings of the International Conference on Risk Management, Assessment and Mitigation (RIMA'10), Universitatea Politehnica, Bucharest, Romania, April 20-22, 2010, in *Recent Advances in Electrical Engineering* Published by World Scientific and Engineering Academy and Society Press (WSEAS Press), 187-193, ISSN: 1790-2769, ISBN: 978-960-474-182-3. www.imst.pub.ro/userfiles/Joint%20program.pdf https://www.yumpu.com/en/document/view/28635509/recent-advances-in-risk-management-wseasus	6,67
23	**Ancuţa Rotaru**, Vasile Boboc, 2010, A Material Used in Substructure and Road Works: Physical Characteristics of Pozzolana Fly Ash from Thermal Power Plant of Iași, Romania, *WSEAS Transactions on Environment and Development*, Volume 6(6): 427-436, ISSN: 1790-5079. https://www.wseas.us/e-library/transactions/environment/2010/89-818.pdf https://www.semanticscholar.org/paper/A-Material-Used-in-Substructure-and-Road-Works-%3A-of-Rotaru-Boboc/f2bb11b6ac3fbfe28f3882172e116b1069984a72	10,00
24	Vasile Boboc, **Ancuţa Rotaru**, Andrei Boboc, 2010, A Material for Substructure and Road Works: Mechanical Characteristics of Pozzolana Fly Ash from Thermal Power Plant of Iași, Romania, *WSEAS Transactions on Environment and Development*, 6(6): 437-446, ISSN: 1790-5079. http://www.wseas.us/e-library/transactions/environment/2010/89-819.pdf https://docplayer.net/170081937-A-material-for-substructure-and-road-works-mechanical-characteristics-of-pozzolana-fly-ash-from-thermal-power-plant-of-iasi-romania.html	6,67

25	**Ancuţa Rotaru**, 2010, Geoenvironmental Issues Concerning the Black Sea Basin, *International Journal of Energy and Environment* Published by NAUN, 4(4): 131-138, ISSN: 1109-9577 http://www.naun.org/journals/energyenvironment/2010.htm https://www.scopus.com/record/display.uri?eid=2-s2.0-84891826960&origin=inward&txGid=47e12378ab56f803d68a855813255a19	20,00
26	Costel Pleşcan, **Ancuţa Rotaru**, 2010, Aspects Concerning the Improvement of Soils against Liquefaction, *Buletinul Institutului Politehnic din Iaşi*, Universitatea Tehnică „Gheorghe Asachi" din Iaşi, Tom LVI (LX), Fasc.3, Secţia Construcții. Arhitectură, 39-45. http://www.bipcons.ce.tuiasi.ro/Content/ArticleInformation.php?ArticleID=188	10,00
27	**Ancuţa Rotaru**, Paulică Răileanu, 2009, Some Models of Soil Behaviour for Evaluation of Consolidation Settlement in Clays, Proceedings of the 17th International Conference on Soil Mechanics and Geotechnical Engineering, Alexandria, Egypt, October 5-9, 2009, Published by IOS Press, imprint Millpress, ISBN 978-1-60750-031-5 (print). http://www.iospress.nl/loadtop/load.php?isbn=9781607500315 https://www.scopus.com/authid/detail.uri?authorId=26022121700	10,00
28	**Ancuţa Rotaru**, 2008, Quality control and remediation of contaminated soils in urban areas–some examples from Romania, *Australian Journal of Basic and Applied Sciences*, 2(4): 929-938. http://www.ajbasweb.com/old/ajbas/2008/929-938.pdf	20,00
29	**Ancuţa Rotaru**, Paulică Răileanu, Petru Rotaru, 2008, Research concerning the water seepage in the basement of the Orthodox Cathedral of Bacău, Romania, *Buletinul Institutului Politehnic din Iaşi, Bulletin of the Polytechnic Institute of Jassy*, tomul XIV (LXIII), fasc.4, Secţia Construcţii. Arhitectură http://www.bipcons.ce.tuiasi.ro/Content/ArticleInformation.php?ArticleID=127	6,67
30	Ana Nicuţă, **Ancuţa Rotaru**, Research on sites with sliding potential, *Acta Technica Napocensis*, UT Cluj-Napoca, Section Civil Engineering – Architecture, 51, vol.III, 2008, ISSN 1221-588, pp. 285-290 https://constructii.utcluj.ro/ActaCivilEng/download/Acta_Technica_Napocensis_Vol51_2008_nr3.pdf	10,00
31	**Ancuţa Rotaru**, Ana Nicuţă, Some aspects of landslide risk evaluation taking into account their distribution and properties, *Journal Materials, Methods and Technologies, International Scientific Publications*, vol.2, part.1, 2008, ISSN 1313-2539, pp.47-57, Published by Info Invest, Bulgaria. https://www.scientific-publications.net/download/materials-methods-and-technologies-2008.pdf	10,00
32	**Ancuţa Rotaru**, Daniel Oajdea, Paulică Răileanu, 2007, Analysis of the landslide movements, *International Journal of Geology*, NAUN, 1(3) 70-79. https://naun.org/multimedia/NAUN/geology/ijgeo-10.pdf	6,67
33	**Ancuţa Rotaru**, Procedee şi tehnologii de îmbunătăţire a proprietăţilor terenurilor dificile de fundare in vederea creşterii sigurantei şi durabilităţii infrastructurii construcţiilor inginereşti, *Revista de Politica Științei şi Scientometrie*, Număr special 2005, Editată CNCSIS, ISSN-1582-1218, 1-19, 2005.	20,00
34	**Ancuţa Rotaru**, Traian Dănuţ Babor, Calculul deformaţiilor pentru probe de argilă saturată consolidată anizotrop supusă la încercări de încărcare – descărcare. Condiţii de normalitate si K_o, *Buletinul Institutului Politehnic din Iaşi*, secţia VI, Construcţii. Arhitectură, Tomul L(LIV), Fasc.5, pp.285-290, 2004.	10,00
35	**Ancuţa Rotaru**, Traian Dănuţ Babor**,** Aplicarea relaţiilor unice dintre umiditate şi tensiunile efective la argilele saturate, *Buletinul Institutului Politehnic din Iaşi*, secţia VI, Construcţii. Arhitectură, Tomul L(LIV), Fasc.5, www.bipcons.ce.tuiasi.ro/papers.html , pp.279-284, 2004.	10,00
36	Dănuţ Babor, **Ancuţa Rotaru**, Fire din sticlă, *Buletinul Institutului Politehnic din Iaşi*, secţia VI, Construcţii. Arhitectură, Tomul L(LIV), Fasc.5, pp.9-12, 2004.	10,00
37	Dănuţ Babor, **Ancuţa Rotaru**, Cristin Grigorean, Geamuri speciale, *Buletinul Institutului Politehnic din Iaşi*, secţia VI, Construcţii. Arhitectură, Tomul L(LIV), Fasc.5, pp.13-16, 2004.	6,67
		306,79

2.3 Brevete de invenție înregistrate la OSIM sau WIPO
2.3.1 Cotate ISI

Nr. crt.	Rezultate (punctaje)	Autori, titlul brevetului, nr. brevet, instituția la care a fost înregistrat brevetul de invenție
1	50/nr. autori =	**-**

2.3.2 Internaționale, necotate ISI

Nr. crt.	Rezultate (punctaje)	Autori, titlul brevetului, nr. brevet, instituția la care a fost înregistrat brevetul de invenție
1	35/nr. autori =	**-**

2.3.3. Naționale

Nr. crt.	Rezultate (punctaje)	Autori, titlul brevetului, nr. brevet, instituția la care a fost înregistrat brevetul de invenție
1	25/nr. autori =	**-**

2.4 Granturi/Proiecte* câștigate prin competițiile ce finanțează activități de cercetare

*** Prin grant/proiect de cercetare câștigat prin competiție se întelege că trebuie să fie atrase simultan fonduri pentru: cheltuieli de personal, cheltuieli de capital, cheltuieli de logistică (obiecte de mică valoare și consumabile), deplasări și regia universității**
2.4.1 Director (pentru instituția coordonatoare) / responsabil (pentru instituția parteneră)

2.4.1.1 Internaționale

Nr crt	Titlu proiect	Tip contract/ număr	Valoare contract	Perioada/ anul	Calitate în proiect	Rezultate (Punctaje)
1	Rehabilitation of the Built Environment in the Context of Smart City and Sustainable Development Concepts for Knowledge Transfer and Lifelong Learning (RE-BUILT) - Research collaboration supporting innovation - http://www.rebuilt.ce.tuiasi.ro/	E+ 2018-1-RO01-KA203-049214	388.456 EUR	2018/2021	Director/ Manager	60,00
					TOTAL	**60,00**

2.4.1.2 Naționale

Nr crt	Titlu proiect	Tip contract/ număr	Valoare contract	Perioada/ anul	Calitate în proiect	Rezultate (Punctaj)
1	Procedee și tehnologii de îmbunătățire a proprietăților terenurilor dificile de fundare în vederea creșterii siguranței și durabilității construcțiilor inginerești	Grant MEC. tip A, nr.27637/2005, Tema 49, cod CNCSIS 547	200.000.000 ROL	2005	Director proiect	10,00

		Grant M.E.C. tip A, nr.A1 GR164/2006, tema 70, cod CNCSIS 547	57.000 RON	2006	Director proiect	10,00
2	Reducerea riscului de producere a alunecărilor de teren – provocare și strategie https://uefiscdi.gov.ro/UserFiles/File/Rezultate%2520FINALE%2520%2520aplicatii%2520privind%2520organizarea%2520de%2520WE%2520in%2520anul%25202009%2C%2520depuse%2520in%25202008.pdf	PNCDI II Workshop exploratoriu nr.17WE/2009	30.000 RON	2009	Director proiect	10,00
3	Some aspects of landslide risk evaluation taking into account their distribution and properties http://old.uefiscdi.ro/UserFiles/File/MC%202008/LISTA_PROPUNERI_PROIECTE_PRIMITE_Tip_MC(2).htm	PNCDI II RU – mobilități cercetători nr.90/2008	2316,76 RON	2008	Director proiect	10,00
4	Studii doctorale pentru performanțe europene în cercetare și inovare (CUANTUMDOC)	POSDRU/CDPP107 1.5/S/79407		2010/2011	Director executiv	10,00
					TOTAL	**50,00**

2.4.2 Membru în echipa de implementare a grantului

2.4.2.1 Internaționale

Nr. crt.	Rezultate (punctaje)	Titlul proiectului
	-	*10*nr. ani de desfășurare=*
1	10 x 1 = 10,00	Sustainable Development of Teaching and Learning Environments - Developing the Ingenium Learning Spaces Learning Community. 2025 Coordonator: Munster Technological University
Punctaj total: **10,00**		

2.4.2.2 Naționale

Nr. crt.	Rezultate (punctaje)	Titlul proiectului
1	5 x 1 = 5,00	COST – Action 351 - Water Movement in Road Pavements and Embankments – membru al grupului de lucru național
2	5 x 2 = 10,00	Program PHARE pentru implementarea managementului universitar, participare efectivă la întâlnirile de la Olimp (23-25 septembrie 2000) şi Braşov (1-3 martie 2001).
2	5 x 1 = 5,00	*European Civil Engineering Education and Training* I, II Nr.104.437 CP1-2002-1-FR-ERASMUS-TN Ecole Nationale des Ponts et Chaussees – partener, 2001 - Participare efectivă la întâlnirea de la Mamaia (februarie 2001).
Punctaj total:		**20,00**

2.5. Responsabil de proiecte de cercetare/consultanță (fiecare proiect considerat la calculul punctajului trebuie să fie în valoare de minim 50000 lei pentru instituția la care responsabilul era/este titular)

Nr. crt.	Rezultate (punctaje)	Titlul proiectului
Punctaj total: -		

TOTAL Activitate de cercetare (A2)	**716,02**

Recunoașterea și impactul activității (A3)

3.1 Citări în reviste ISI și BDI și în volumele conferințelor ISI și BDI (nu sunt considerate autocitările)

Nr crt	Date despre lucrarea citată			Date despre lucrarea în care a fost citată lucrarea personală			Punctaj citări în reviste sau manifestări științifice			
	Autorii lucrării	Titlul lucrării	Unde și când a fost publicată lucrarea	Autorii lucrării	Titlul lucrării	Unde și când a fost publicată lucrarea	Indexate ISI Cotate ISI	Manif. șt. ISI	Indexate BDI	Manif. șt. BDI
1.	**Ancuța Rotaru**, Daniel Oajdea, Paulică Răileanu	Analysis of the Landslide Movements	International Journal of Geology, NAUN, Issue 3, Volume 1, 2007	Gorazd Žibret, Marko Komac, Mateja Jemec	PSInSAR Displacements Related to Soil Creep and Rainfall Intensities in the Alpine Foreland of Western Slovenia	Geomorphology, Volumes 175–176(15): 107–114, Published by Elsevier B.V., 2012 http://lps16.esa.int/posterfiles/paper0491/Psinsar_displacements%20related%20to%20soil%20creep_Slovenia.pdf https://www.sciencedirect.com/science/article/abs/pii/S0169555X12003261	3,33 x 3,017= 10,050			
2.				Chisheng Wang, Qingquan Li, Jiasong Zhu, Wei Gao, Xinjian Shan, Jun Song, Xiaoli Ding	Formation of the 2015 Shenzhen Landslide As Observed by SAR shape-from-shading	Nature, Scientific Reports 7, Published online on 3 March 2017 http://www.nature.com/articles/srep43351	3,33 x 4,445= 14,800			
3.				Meirman Syzdykbayev, BobakKarimi, Hassan A.Karimi	Persistent Homology on LiDAR Data to Detect Landslides	Remote Sensing of Environment, 246, 2020 https://www.sciencedirect.com/science/article/abs/pii/S0034425720301863	3,33 x 8,218= 27,366			
4.				André Rodrigues, Johnny Reis, Filipe Pinto, Davi Lucas	Mass Movement Risk in a Portuguese Municipality: Tabuaço Case Study	Proceedings of the Institution of Civil Engineers - Forensic Engineering, 174(1):1-9, 2020. ISSN 2043-9903 | E-ISSN 2043-9911, https://doi.org/10.1680/jfoen.20.00018	3,333= 3,333			
5.				Chiara Crippa, Elena Valbuzzi, Paolo Frattini, Giovanni B. Crosta, Margherita C. Spreafico, Federico Agliardi	Semi-automated Regional Classification of the Style of Activity of Slow Rock-slope Deformations Using PS InSAR and SqueeSAR Velocity Data	Landslides, April 2021, Edited by Springer https://link.springer.com/article/10.1007/s10346-021-01654-0	3,33 x 4,708= 15,678			
6.				Paschalis D. Koutalakis, Ourania A. Tzoraki, Georgios I. Prazioutis, Georgios T. Gkiatas, George N. Zaimes	Can Drones Map Earth Cracks? Landslide Measurements in North Greece Using UAV Photo-grammetry for Nature-Based Solutions	Sustainability 2021, **13**(9), 4697; https://doi.org/10.3390/su13094697	3,33 x 2,576= 8,578			
7.				Mathilde Desrues, Jean-Philippe Malet, Ombeline Brenguier, Aurore Carrier, Alexandre Mathy, Lionel Lorier	Landslide Kinematics Inferred from in situ Measurements: the Cliets Rock-slide (Savoie, French Alps)	Landslides, October 2021, Edited by Springer https://doi.org/10.1007/s10346-021-01726-1	3,33 x 6,578= 21,905			
8.				Jayesh B. Patil, A. B. Landage	A Review Landslide Area Mapping by GIS and Remote Sensing and its Mitigation Methods in Parts of Western Ghat	International Journal of Advances in Engineering and Management (IJAEM), 4(2), 2022, pp. 1571-1573, ISSN: 2395-5252https://ijaem.net/issue_dcp/A%20Review%20Landslide%20Area%20Mapping%20by%20GIS%20and%20Remote%20Sensing%20and%20its%20Mitigation%20Methods%20in%20Parts%20of%20Western%20Ghat.pdf	3,33 x 7.429= 24,739			
9.				Dai Xiaoliang, Yunqiang Zhu, Kai Sun, Qiang Zou, Shen Zhao, Weirong Li, Lei Hu, Shu Wang	Examining the Spatially Varying Relationships between Landslide Susceptibility and Conditioning Factors Using a Geographical Random Forest Approach: A Case Study in Liangshan, China	Remote Sensing, 15(6), 1513, 2023 https://doi.org/10.3390/rs15061513 https://www.mdpi.com/2072-4292/15/6/1513	3,33 x 5.349= 17,812			
10.				Wandi Wang, Mahdi Motagh, Sara Mirzaee, Tao Li, Chao Zhou, Hui Tang, Sigrid Roessner	The 21 July 2020 Shaziba Landslide in China: Results from Multi-source Satellite Remote Sensing	Remote Sensing of Environment, 295, 1 September 2023, 113669, ISSN 0034-4257 https://doi.org/10.1016/j.rse.2023.113669 https://www.sciencedirect.com/science/article/abs/pii/S0034425723002201	3,33 x 13,500= 44,955			
11.				Marta Jurchescu, Gheorghe Kucsicsa, Mihai Micu, Dan Bălteanu, Mihaela Sima, Elena-Ana Popovici	Implications of Future Land-use/ Cover Pattern Change on Landslide Susceptibility at A National Level: A Scenario-based Analysis in Romania	CATENA, 231, 2023, 107330, ISSN 0341-8162, https://doi.org/10.1016/j.catena.2023.107330 https://www.sciencedirect.com/science/article/pii/S0341816223004216	3,33 x 6,200= 20,646			
12.				Dongxiao Zhang, Lu Zhang, Jie Dong, Yian Wang, Chengsheng Yang, Mingsheng Liao	Improved Phase Gradient Stacking for Landslide Detection	Landslides, 2024, 21(4), Electronic ISSN 1612-5118, Print ISSN 1612-510X. https://doi.org/10.1007/s10346-024-02263-3	3,33 x 6,700= 22,311			
13.				Ananta Man Singh Pradhan, Suchita Shrestha, Ji-Sung Lee, Yun-Tae Kim	Can Level-2 Firth's Bias-reduced Logistic Regression Be Considered A Robust Approach for Predicting Landslide Susceptibility?	Bulletin of Engineering Geology and the Environment, 2024, 84(29), Print ISSN 1435-9529. https://link.springer.com/article/10.1007/s10064-024-04022-z	3,33 x 3,700= 12,321			

14.				Radek Tichavský	Optimising Landslide Trigger Analysis through Integration of Diverse Dendrogeomorphic Approaches and Multi-source Climate and Documentary Data	Landslides, 2024, Electronic ISSN 1612-5118, Print ISSN 1612-510X https://link.springer.com/article/10.1007/s10346-024-02413-7	3,33 x 5,800= 19,314			
15.				Wu, Jinhua, Chengdu Cao, Liang Fei, Xiangyang Han, Yuli Wang, and Ting On Chan	A Hybrid Framework Integrating Past Decomposable Mixing and Inverted Transformer for GNSS-Based Landslide Displacement Prediction	Sensors, 25(19): 6041, in the special issue Structural Health Monitoring and Smart Disaster Prevention, 2025. https://www.mdpi.com/1424-8220/25/19/6041 https://doi.org/10.3390/s25196041	3,33 x 3,50= 11,655			
16.				Jérémie Tuganishuri, Chan-Young Yune, Gihong Kim, Seung Woo Lee, Manik Das Adhikari, Sang-Guk Yum	Prediction of the Volume of Shallow Landslides Due to Rainfall Using Data-driven Models	Natural Hazards and Earth System Sciences, 25(4), 1481-1499, 2025. https://nhess.copernicus.org/articles/25/1481/2025/nhess-25-1481-2025.html	3,33 x 4,20= 13,986			
17.				Louis Bouchard, Seulgi Moon	Admissibility of Solitary Wave Modes in Long-runout Debris Flows	Physical Review E,112(5), 055112 – 055134, editor American Physical Society, 2025 https://journals.aps.org/pre/abstract/10.1103/6kxj-4vpg https://doi.org/10.1103/6kxj-4vpg	3,33 x 4,20= 13,986			
18.				Xiu Xue, Mastura Azmi	Analysis of the Causes of Deformation and Failure of Traction-type Slopes: A Case Study of Slope on Tianxi Highway in Guangxi, China	GEOMATE Journal 29 (134):159-68, 2025. https://geomatejournal.com/geomate/article/view/5156	3,33 x 0,90= 2,997			
19.				Dou Zhiyi, Edore Akpokodje, Yuelin He, Yuxin Liu, Zixuan Ni, Chang'an Xu, Muhammad Aslam, Meng Tang	DINOv3-Driven Semantic Segmentation for Landslide Mapping in Mountainous Regions	Sensors, 26(2): 406, 2026. https://doi.org/10.3390/s26020406	3,33 x 3,50= 11,655			
20.				M.B Ibrahim, S.A. Salisu, A.A. Musa, B. Abussalam, S.M. Hamza	Framework for the Identification of Shallow Ground Movement in Modified Slopes (An Expert Opinion)	IOP Conference Serries: Earth Environment Science 1064, 012055 https://iopscience.iop.org/article/10.1088/1755-1315/1064/1/012055/meta		0,83		
21.				D Arisanty, K P Hastuti, A N Saputra, M Muhaimin, F A Setiawan	Characteristic of Mass Movement in Riam Kanan Watershed, Indonesia	IOP Conference Series: Earth and Environmental Science, 4th IGEOS: International Geography Seminar 2020 29/09/2020 - 30/09/2020 Online, Volume 1089, 2022 https://iopscience.iop.org/article/10.1088/1755-1315/1089/1/012001		0,83		
22.				Yunara D. Triana, Iskandar Iskandar, M. Nizar Firmansyah, Pamela Pamela	Faktor geologi dan mekanisme gerakan tanah di Indonesia Geological factors and landslides mechanisms in Indonesia	Bulletin Vulkanologi dan Bencana Geologi, 14(2), 2020 https://vsi.esdm.go.id/bvbg/index.php/buletin/article/view/53			0,67	
23.				SP Pradhan, Tariq Siddique	Mass Wasting: An Overview	Landslides: Theory, Practice and Modelling. Advances, Natural and Technological Hazards Research, Springer, 3-20 (Part of the *Advances in Natural and Technological Hazards Research* book series, vol. 50), 2019 https://link.springer.com/chapter/10.1007/978-3-319-77377-3_1			0,67	
24.				Ogbonnaya Igwe, Chuku Okoro Una	Landslide Impacts and Management in Nanka Area, Southeast Nigeria	Geoenvironmental Disasters, **6**(5), Editor Springer Open, 2019. https://geoenvironmental-disasters.springeropen.com/articles/10.1186/s40677-019-0122-z			0,67	
25.				Mihai Ciprian Mărgărint, Mihai Niculiţă	Landslide Type and Pattern in Moldavian Plateau, NE Romania	Landform Dynamics and Evolution in Romania, Springer, 271-304 (Part of the *Geography* book series, Radoane M, Vespremeanu-Stroe A (eds), 2017 https://link.springer.com/chapter/10.1007/978-3-319-32589-7_12			0,67	
26.				Cătălina Mihaela Grădinaru, Adrian Alexandru Șerbănoiu	Managementul materialelor ecologice de construcții. Analiza utilizării unor agregate ușoare de origine vegetală ca materie primă în producerea betonului	Editura „Bioflux" Cluj-Napoca, 2019 http://www.editura.bioflux.com.ro/docs/Managementul_materialelor_ecologice_de_constructii_Gradinaru_Serbanoiu.pdf			0,67	
27.				Ali Jahanfar, Brajesh Dubey, Bahram Gharabaghi, Saber Bayat Movahed	Landfill Failure Mobility Analysis A Probabilistic Approach	International Journal of Environmental, Chemical, Ecological, Geological and Geophysical Engineering, 10(5), 2016 https://www.researchgate.net/profile/Bahram-Gharabaghi/publication/304460399_Landfill_Failure_Mobility_Analysis_A_Probabilistic_Approach/links/576ff69c08ae10de639c06b8/Landfill-Failure-Mobility-Analysis-A-Probabilistic-Approach.pdf			0,67	
28.				Ramashray Prasad	Landslide Taxonomy and Vulnerability in Eastern Bhutan	Sherub Doenme: The Research Journal of Sherubtse College, 10, 2010 http://202.144.134.241/index.php/sherub/article/view/7			0,67	
29.				Ramashray Prasad, Sangay Dorji	Earthquake and Landslide Vulnerability; Some Selected Studies from Bhutan	The Research Journal of Sherubtse College, Vol 11, 2011, pp.23-31 http://jr.sherubtse.edu.bt/index.php/sherub/article/view/16/14			0.67	
30.				Singye Namgyel, Phub Gyem, R. Balamurugan, Sonam Wangmo	GNH: Values and Practices at Sherubtse College	Sherub Doenme: The Academic Journal of Sherubtse College, vol 10(1&2), 2010			0,67	

						http://jr.sherubtse.edu.bt/index.php/sherub/article/view/9				
31.				JE Tay, OS Selaman	A Study on the Rainfall and Landslides Along Sarawak Road Using the Antecedent Rainfall Analysis	Journal of Civil Engineering, Science and Technology, 2(1), 2011 http://publisher.unimas.my/ojs/index.php/JCEST/article/view/80			0,67	
32.				S Kumar, SS Choudhary, A Burman	The Effect of Slope Height and Angle on the Safety Factor and Modes of Failure of 3D Slopes Analysis Using Limit Equilibrium Method	Beni-Suef University Journal of Basic Applied Science, 12(84), 2023. https://doi.org/10.1186/s43088-023-00423-3 https://link.springer.com/article/10.1186/s43088-023-00423-3			0,67	
33.				Camelia B. Abrar, Ashar M. Lubis, Darmawan I. Fadli, Arya J. Akbar, Rida Samdara	Mapping Landslide Vulnerability using Machine Learning Approach along the Taba Penanjung Kepahiang Road, Bengkulu Province	Geoplanning: Journal of Geomatics and Planning, 11(1), 2024, E-ISSN: 2355-6544 https://ejournal.undip.ac.id/index.php/geoplanning/article/view/53381			0,67	
34.				Aeathy Krishnan., Rajaneesh A., Krishnapriya V.K., & Sajinkumar K.S.	Analyzing the Effects of Eco-DRR Practices on Slope Stability in a Landslide-prone Transport Corridor in the Western Ghats, India.	International Journal of Disaster Studies and Climate Resilience, 1(1 Jan-Jun 2025), 35–46. 2025. https://doi.org/10.64866/j.ijdscr.2025.10004			0,67	
35.				Budhi Setiawan, Zamsyar Giendhra Fad, Jonathan Mulia	Cumulative Rainfall Departure Approach to Estimate Probability of Landslide as Impact of Climate Change	International Symposium on Sustainable Geosynthetics and Green Technology for Climate Change, Bangkok, Thailand, 20-21 June 2012, 391-400, Printed by Curran Associates, Inc., 2014. http://www.proceedings.com/20482.html https://www.researchgate.net/publication/294091457_CUMULATIVE_RAINFALL_DEPARTURE_APPROACH_TO_ESTIMATE_PROBABILITY_OF_LANDSLIDE_AS_IMPACT_OF_CLIMATE_CHANGE				0,33
36.				Dounia Amrani	Numerical Modeling for the Stabilization of a Landslide	The 1ST International Congress on Advances in Geotechnical Engineering and Construction Management (ICAGECM'19) 9-10 December, 2019/Skikda-Algeria https://www.researchgate.net/publication/343112347_Volume1_international_congress_at_university_of_skikda				0,33
37.				Dounia Amrani	Numerical Modeling of Risks of Natural Landslides Stabilized by Reinforcement Systems	The 4th International Conference on Geotechnical Engineering. New Developments in Geomechanics and Georisk, Hammamet, Tunisia, 9-11 March 2020 https://www.researchgate.net/profile/Mounir-Bouassida/publication/340443274_Proceedings_of_the_4th_International_Conference_on_Geotechnical_Engineering_9-11_March_2020_Hammamet_Tunisia/links/5f7cd426458515b7cf6c4d05/Proceedings-of-the-4th-International-Conference-on-Geotechnical-Engineering-9-11-March-2020-Hammamet-Tunisia.pdf				0,33
38.				Abdelkader Moussi, Noamen Rebai	Conception et modélisation d'un SIG WEB 3D pour la planification urbaine. Etude de cas Siliana - Tunisia	The 4th International Conference on Geotechnical Engineering, Hammamet (Tunisia), 9-11 March 2020 https://www.researchgate.net/publication/355163548_Conception_et_modelisation_d%27un_SIG_WEB_3D_pour_la_planification_urbaine_Etude_de_cas_Siliana_-_Tunisia				0,33
39.				Dedy Miswar, Endro. P. Wahono, Aristoteles, Agus Sutyatna, Yarmaidi, Riyan Yoga Darmawan, Wan Abbas Zakaria, I Gede Sugiyanta	The Landslide Spatial Modelling in Limau District, Tanggamus Regency	Universitas Lampung International Conference on Social Sciences (ULICoSS), Advances in Social Science, Education and Humanities Research, 628, Atlantis Press, 2021. https://www.atlantis-press.com/proceedings/ulicoss-21/125968217				0,33
40.				Dounia Amrani, Chafia Merah, Fethi Baali	Assessment and Stabilization of Natural Landslide Hazards by a Reinforcement System	Conference of the Arabian Journal of Geosciences CAJG 2019: Research Developments in Geotechnics, Geo-Informatics and Remote Sensing, 39–41, 2022 https://www.cajg.org/2019				0,33
41.	**Ancuța Rotaru**, Chavdar Kolev	Addressing Issues of Geoenvironmental Risks in Dobruja, Romania/Bulgaria,	Environmental Engineering and Management Journal, 9(7): 961-969, 2010	Viorel-Ilie Arghiuş, Corina Arghiuş, Alexandru Ozunu, Eugen Nour, Gheorghe Roşian, Liviu-Octavian Muntean	The Relation between the Landslide Activity and Irregular Rainfall and Snowmelt in the Codrului Hills, Romania	Environmental Engineering and Management Journal, 10(1): 3-6, 2011. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol10/no1/3_17_Arghius_11.pdf	5,00 x 1,004= 5,020			
42.				Viorel Arghiuş, Camelia Botezan, Andra Cristina Gagiu, Ioanna Samara, Francisc Senzaconi, Alexandru Ozunu	Normalized Economical Flood Damages in Romania during 2000-2009	Environmental Engineering and Management Journal, 10(1): 17-21, 2011. http://www.academia.edu/download/30853023/5_18_Arghius_11.pdf	5,00 x 1,004= 5,020			
43.				Rashid Burtiev	Evaluation of Seismic Hazards from Several Seismic Zones	Environmental Engineering and Management Journal, 11(12): 2141-2150, 2012 http://s3.amazonaws.com/academia.edu.documents/30733984/3_688_Burtiev_12.pdf?AWSAccessKeyId=AKIAJ56TQJRTWSMTNPEA&Expires=1388269489&Signature=UQTcTt8xaDYPAhXqmvMNcd3Nixc%3D&response-content-disposition=inline	5,00 x 1,117= 5,585			

44.				Yasemin Erbil, Selen Durak, Nilufer Akinciturk	A Tool to Prepare a Database for Reinforced Concrete Buildings in Seismic Risk Regions	Environmental Engineering and Management Journal, 11(9): 1573-1580, 2012. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol11/no9/6_68_Erbil_11.pdf	5,00 x 1,117= 5,585			
45.				Raluca - Mihaela Maftei, Constantina Filipciuc, George Vina	Why It Is So Difficult to Assess Landslides Hazard and Risk in Romania?	Environmental Engineering and Management Journal, 11(12): 2223-2232, 2012. http://www.researchgate.net/publication/259702222_12_697_Maftei_12_Bacau/file/ef31752d625ebb4777.pdf	5,00 x 1,117= 5,585			
46.				Dragoș Toma-Dănilă	Real-time Earthquake Damage Assessment and GIS Analysis of Two Vulnerable Counties in the Vrancea Seismic Area, Romania	Environmental Engineering and Management Journal, 11(12): 2265-2274, 2012. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol11/no12/17_702_Toma-Danila_12.pdf	5,00 x 1,117= 5,585			
47.				Elena Nechita, Carmen-Violeta Muraru, Mihai Talmaciu	A Bayesian Approach for the Assessment of Risk Probability. Case Study for Digital Risk Probability	Environmental Engineering and Management Journal, 11(12): 2249-2256, 2012. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol11/no12/15_700_Nechita_12.pdf	5,00 x 1,117= 5,585			
48.				Gheorghe Marmureanu, Alexandru Marmureanu, Carmen Ortanza Cioflan, Constantin Ionescu	Essential Tools to Mitigate Vrancea Strong Earthquakes Effects on Moldavian Urban Environment	Environmental Engineering and Management Journal, 12(1): 65-79, 2013. http://infp.infp.ro/bigsees/Docs/ESSENTIAL%20TOOLS%20TO%20MITIGATE%20VRANCEA%20STRONG%20EARTHQUAKES%20EFFECTS%20ON%20MOLDAVIAN%20URBAN%20ENVIRONMENT.pdf	5,00 x 1,258= 6,290			
49.				Gheorghe Romanescu, Cristian Stoleriu	Causes and Effects of the Catastrophic Flooding on the Siret River (Romania) in July–August 2008	Natural hazards, 69(3): 1351-1367, Published by Springer Nature, 2013. http://link.springer.com/article/10.1007/s11069-012-0525-6#page-1	5,00 x 2,214= 11,070			
50.				Alexei Gvishiani, Mikhail Dobrovolsky, Sergey Agayan, Boris Dzeboev	Fuzzy-based Clustering of Epicenters and Strong Earthquake-prone Areas	Environmental Engineering and Management Journal, 12(1): 1-10, 2013. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol12/no1/1_784_Gvishiani_12.pdf	5,00 x 1,258= 6,290			
51.				Eugenia Grecu	New Technologies - Between Business and Environmental Protection in Romania	Environmental Engineering and Management Journal, 13(8): 1873-1879, 2014. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no8/Full/3_162_Grecu_14.pdf	5,00 x 1,065= 5,325			
52.				Gianina Maria Cojoc, Gheorghe Romanescu, Alina Tîrnovan	Exceptional Floods on a Developed River: Case Study for the Bistrita River from the Eastern Carpathians (Romania)	Natural Hazards, 77(3): 1421–1451, Published by Springer Nature, 2015. https://link.springer.com/article/10.1007/s11069-014-1439-2	5,00 x 2,092= 10,460			
53.				Ionica Oncioiu, Anca Gabriela Petrescu, Eugenia Grecu, Marius Petrescu	Optimizing the Renewable Energy Potential: Myth or Future Trend in Romania	Energies, 10(6), 759, 2017 http://www.mdpi.com/1996-1073/10/6/759	5,00 x 2,676= 13,380			
54.				Ramashray Prasad	Landslide Taxonomy and Vulnerability in Eastern Bhutan	Sherub Doenme: The Research Journal of Sherubtse College, 10, 2010. http://202.144.134.241/index.php/sherub/article/view/7			1,00	
55.				Singye Namgyel, Phub Gyem, R. Balamurugan, Sonam Wangmo	GNH: Values and Practices at Sherubtse College	Sherub Doenme: The Academic Journal of Sherubtse College, vol 10(1&2), 2010. http://jr.sherubtse.edu.bt/index.php/sherub/article/view/9			1,00	
56.				Ramashray Prasad, Sangay Dorji	Earthquake and Landslide Vulnerability; Some Selected Studies from Bhutan	The Research Journal of Sherubtse College, Vol 11, pp.23-31, 2011. http://jr.sherubtse.edu.bt/index.php/sherub/article/view/16/14			1,00	
57.				JE Tay, OS Selaman	A Study on the Rainfall and Landslides Along Sarawak Road Using the Antecedent Rainfall Analysis	Journal of Civil Engineering, Science and Technology, 2(1), 2011. http://publisher.unimas.my/ojs/index.php/JCEST/article/view/80			1,00	
58.				Ioana-Delia Miftode, Gheorghe Romanescu	Analysis of Flash Floods Occurred and Registered at the Darmanesti Hydrometric Station within the Uz Hydrographic Basin	3rd International Conference - Water resources and wetlands, 8-10 Sept. 2014 Tulcea, Romania; Editors: P. Gâștescu, P. Bretcan; ISSN: 2285-7923, 133-140 http://www.limnology.ro/wrw2016/proceedings.html		1,25		
59.				Ioana-Delia Miftode, Gheorghe Romanescu	The Spatio-temporal Variability of Maximum Flow in the Uz Hydrographical Basin	Air and Water Components of the Environment, Cluj-Napoca, 125-133, 2016. https://doaj.org/article/b13ff7e5f17b41f79cda4d266d9f1b74				0,50
60.	**Ancuța Rotaru**	Quality Control and Remediation of Contaminated Soils in Urban Areas–Some Examples from Romania	Australian Journal of Basic and Applied Sciences, 2(4): 929-938, 2008	Violeta Herea	Policy and Strategy for Improving Sustainable Social Development Programmes	Environmental Engineering and Management Journal, 9(6): 861-868, 2010. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol9/no6/21_6_Herea_10.pdf	10,00 x 1,435= 14,350			
61.	**Ancuța Rotaru**, Paulică Răileanu	Groundwater Contamination from Waste Storage Works	Environmental Engineering and Management Journal, 7(6), 2008	AM Şchiopu, BM Robu, I Apostol, Maria Gavrilescu	Impact of Landfill Leachate on Soil Quality in Iasi County	Environmental Engineering and Management Journal, 8(5): 1155-1164, 2009. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol8/no5/36_007_Schiopu.pdf	5,00 x 0,885= 4,425			

62.				Gheorghe Romanescu, Ioan Cojocaru	Hydrogeological Considerations on the Western Sector of the Danube Delta – A Case Study for the Caraorman and Saraturile Fluvial-marine Levees (with Similarities for the Letea Levee)	Environmental Engineering and Management Journal 9(6): 795-806, 2010. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol9/no6/9_205_Romanescu.pdf	5,00 x 1,435= 7,175			
63.				Violeta Herea	Policy and Strategy for Improving Sustainable Social Development Programmes	Environmental Engineering and Management Journal, 9(6): 861-868, 2010. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol9/no6/21_6_Herea_10.pdf	5,00 x 1,435= 7,175			
64.				Francesca A.Sollai, Paolo Zucca, Antonio Rescigno, Emil Dumitriu, Enrico Sanjust	Sporobolomyces Salmonicolor as a Tool for Nitrate Removal from Wastewaters	Environmental Engineering and Management Journal 11(8): 1455-1460, 2012. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol11/no8/12_279_Sollai_10.pdf	5,00 x 1,117= 5,585			
65.				Ionuț Minea, Ion Craciun	Simulation Models to Evaluate the Groundwater Resources in the Bahlui River Basin, Romania	Journal of Environmental Protection and Ecology, 13(3): 1600–1607, 2012. https://docs.google.com/a/jepe-journal.info/viewer?a=v&pid=sites&srcid=amVwZS1qb3VybmFsLmluZm98amVwZS1qb3VybmFsfGd4OjRiNzBjYmUyMDgxYmNjNjk	5,00 x 0,260= 1,300			
66.				G Pavelescu, L Ghervase, C Ioja, S Donțu	Spectral Fingerprints of Ground-water Organic Matter in Rural Areas	Romanian Reports in Physics, 65(3): 1105–1113, 2013. http://www.rrp.infim.ro/2013_65_3/A43.pdf	5,00 x 1,137= 5,685			
67.				Oana-Cristina Modoi, Zoltán Török, Alexandru Ozunu, Carmen Roba	Environmental Risks Due to Heavy Metal Pollution of the Water Resources in the Area of Mining Waste Facilities: Baia Mare Area, Nord West Part of Romania	Environmental Engineering and Management Journal, 13(9), 2325-2336, 2014. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no9/Full/26_348_Modoi_14.pdf	5,00 x 1,065= 5,325			
68.				Mohammad Mahdi Azadegan, Mohammad Reza Alavi Moghaddam, Reza Maknoon	Public Awareness and Performance Regarding Nitrate Pollution in Nitrate-polluted Area of Tehran, Iran	Environmental Engineering and Management Journal, 13(3): 611-617, 2014. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no3/13_575_Azadegan_11.pdf	5,00 x 1,065= 5,325			
69.				Andrea Farsang, Tivadar M. Tóth, Kitti Balog	Environmental Risks of Waste Thermal Water Disposal: Long-term Effects of Thermal Water Seepage on Different Soil Types	Environmental Engineering and Management Journal, 14(5): 1217-1229, 2015. publicatio.bibl.u-szeged.hu/5629/1/2900132.pdf	5,00 x 1,008= 5,040			
70.				Li He; Wen Ze Yun; Qi Yang; Ai Li Yang; Guo He Huang; Hong Wei Lu	A Fractional Fuzzy Simulation Method for Predicting Dissolved Toluene and Oxygen Concentrations in Aquifers under Microbial Attenuation	Environmental Engineering & Management Journal, 51(8): 1801-1811, 2016. http://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=15829596&AN=119260391&h=%2bm2fVyBeheAfF7ETzzv5TqVefEv8qytSKVsC5MFcUgqX1tYxeI8%2bUeY0V7jHSmj4VwBJftUvfQ81pVKU25qZzw%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15829596%26AN%3d119260391	5,00 x 1,096= 5,480			
71.				Max R. Lambert, Geoffrey S.J. Giller, David K Skelly, Richard G Bribiescas	Septic Systems, but Not Sanitary Sewer Lines, are associated with Elevated Estradiol in Male Frog Metamorphs from Suburban Ponds	General and Comparative Endocrinology, 232: 109-114, Published by Elsevier, 2016. http://linkinghub.elsevier.com/retrieve/pii/S0016648016300090?via=sd	5,00 x 2,585= 12,925			
72.				Anca Marina Marinov, Irina Marinov, Mihaela Amalia Diminescu	Groundwater Quality in the Proximity of a Polluted Lake: A joint Experimental-modeling Study	Environmental Engineering & Management Journal, 16(5): 1081-1091, 2017. https://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=15829596&AN=124307122&h=Ud8iSQiqQNB%2fkqYeInyiir5iT4c7WAdyBdnrq0Lo75qzaiKoPFdpfSsqfG%2bGAT5uAK6uxSps9AlE%2bLRpEkx54q%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15829596%26AN%3d124307122	5,00 x 1,334= 6,670			
73.				Mihaela Amalia Diminescu, Anca Marina Marinov, Gabriela Elena Dumitran, Liana Ioana Vuta	Experimental Laboratory Studies on Capillary Fringe Behavior	Environmental Engineering and Management Journal, 16(3): 581-586, 2017. https://www.researchgate.net/publication/319312509_Experimental_laboratory_studies_on_capillary_fringe_behavior	5,00 x 1,334= 6,670			
74.				Mina Parvizishad, Arash Dalvand, Amir Hossein Mahvi, Fatemeh Goodarzi	A Review of Adverse Effects and Benefits of Nitrate and Nitrite in Drinking Water and Food on Human Health	HealthSCOPE, 6(3):e14164, 2017. doi: 10.5812/jhealthscope.14164 https://cdn.neoscriber.org/cdn/serve/313ed/ac1694cee1f235ecdb67a3006c2b62e86aab222d/healthscope-06-03-14164.pdf	5,00			
75.				Tamás Mester, György Szabó, Eva Bessenyei, Gergö Karancsi, Norbert Barkóczi, Dániel Balla	The Effects of Uninsulated Sewage Tanks on Groundwater. A Case Study in an Eastern Hungarian Settlement	Journal of Water and Land Development, 33(1), 2017. https://content.sciendo.com/view/journals/jwld/33/1/article-p123.xml	5,00 x 1,07= 5,350			

76.				Edina Szekeres, Cecilia Maria Chiriac, Andreea Baricz, Tiberiu Szőke-Nagy, Ildiko Lung, Maria-Loredana Soran, Knut Rudi, Nicolae Dragoș, Cristian Coman	Investigating Antibiotics, Antibiotic Resistance Genes, and Microbial Contaminants in Groundwater in Relation to the Proximity of Urban Areas	Environmental Pollution, Published by Elsevier, 236: 734-744, 2018. https://www.sciencedirect.com/science/article/pii/S0269749117343543	5,00 x 5,714= 28,570			
77.				Cristina L. Popa, Petre Bretcan, Cristiana Rădulescu, Dănuț Tanislav, Simona I. Dontu, Ioana-Daniela Dulama	Spatial Distribution of Groundwater Quality in Connection with the Surrounding Land Use and Anthropogenic Activity in Rural Areas	Acta Montanistica Slovaca, 24(2), 2019, 73-87. https://actamont.tuke.sk/pdf/2019/n2/1popa.pdf	5,00 x 0,938= 4,690			
78.				Doru Bănăduc, Michael Joy, Horea Olosutean, Sergey Afanasyev, Angela Curtean-Bănăduc	Natural and Anthropogenic Driving Forces as Key elements in the Lower Danube Basin–South-Eastern Carpathians–North-Western Black Sea Coast Area Lakes: A Broken Stepping Stones for Fish in a Climatic Change Scenario?	Environmental Sciences Europe, 32, Published by Springer Open, 2020. https://doi.org/10.1186/s12302-020-00348-z	5,00 x 6,210 31,050			
79.				F.Pinakidou, M.Katsikini, E.C. Paloura	Immobilization of Pb in Vitrified and Devitrified Industrial Wastes: Evaluation of Structural Stability Using XAFS Spectroscopies	Journal of Non-Crystalline Solids, Vol.563, July 2021, 120804 https://www.sciencedirect.com/science/article/abs/pii/S0022309321001630	5,00 x 2,929= 14,645			
80.				D. Balla, M. Zichar, E. Kiss, G. Szabó, T. Mester	Possibilities for Assessment and Geovisualization of Spatial and Temporal Water Quality Data Using a WebGIS Application.	ISPRS International Journal of Geo-Information, Special Issue "Recent Advances in Web GIS Architectures and Applications", 2022. https://www.mdpi.com/2220-9964/11/2/108	5,00 x 2,899= 14,495			
81.				J.N. Ugbebor, U.B. Ntesat	Effects of Septic Tank Proximity to Boreholes on groundwater contamination at Igwuruta, Rivers State, Nigeria	International Journal of Engineering Science (IJES), 11(4), 10-17, 2022 https://www.theijes.com/papers/vol11-issue4/B1104011017.pdf	5,00 x 8,843= 44,215			
82.				F. Mchiouer, H.E. Ouarghi, Y. Elyousfi, M. Abourrich	Hygienic Quality Assessment of Well and Spring Water: A Case Study of the Region of Al-Hoceima (Morocco Northern)	Environmental Engineering and Management Journal 21(3), pp. 353-364, 2022 http://www.eemj.icpm.tuiasi.ro/pdfs/vol21/no3/2_143_Mchiouer_21.pdf	5,00 x 0,916= 4,580			
83.				Talieh Abdolkhaninezhad, Monavari Masoud, Khorasani Nematollah, Robati Maryam, Farsad Forogh	Analysis Indicators of Health-Safety in the Risk Assessment of Landfill with the Combined Method of Fuzzy Multi-Criteria Decision Making and Bow Tie Model	Sustainability, 14(22):154652022, Published by MDPI, 2022 https://doi.org/10.3390/su142215465 https://www.mdpi.com/2071-1050/14/22/15465	5,00 x 3,889= 19,445			
84.				Dániel Balla, Emőke Kiss, Marianna Zichar, Tamás Mester	Evaluation of Groundwater Quality in the Rural Environment Using Geostatistical Analysis and WebGIS Methods in a Hungarian Settlement, Bárând	Environmental Science and Pollution Research, 31: 57177-57195, 2024. https://doi.org/10.1007/s11356-023-28627-1 https://link.springer.com/article/10.1007/s11356-023-28627-1	5,0 x 5,800= 29,000			
85.				V.V. Sasane, S.N.Lohote	Assessment of Groundwater Quality around Solid Waste Dumping Site at Uruli Devachi, Pune, Maharashtra	International Journal for Research in Technological Studies, ISSN: - Applied (Online) Vol-1, Issue - 1, Dec 2013. http://www.ijrts.com/downloads/130101002.pdf			1,00	
86.				Fatin Samara, Tarig A. Ali, Jenny Haverila, Sandra Knuteson	Investigation of Fecal Contamination of Groundwater and Surface Water at Al Wasit Nature Reserve, Sharjah, United Arab Emirates	Asian Journal of Microbiology, Biotechnology and Environmental Sciences 18(1): 35-45, 2016. https://www.researchgate.net/publication/298286463_Investigation_of_Fecal_Contamination_of_Groundwater_and_Surface_Water_at_Al_Wasit_Nature_Reserve_Sharjah_United_Arab_Emirates			1,00	
87.				Mohsen Azizi, Abbas Khashei, Mehdi Dastoran	Evaluation of Groundwater Pollution Caused by Leakage of Leachate Produced Landfill Using Numerical Model	Journal of Research in Environmental Health, **3**(3) - Serial Number 11:.187-197, 2018 http://jreh.mums.ac.ir/article_10148.html			1,00	
88.				Janneth Torres-Agredo, Alejandra Narváez-Legarda, Robert Sánchez-Cano, Luisa Fernanda Mosquera-Idrobo	Vitrification Process to Stabilize a Smelting Slag: Preliminary Study	Ingenieria y competitividad, 24(2), 2022 – DOI: 10.25100/iyc.v24i2.11333 https://revistaingenieria.univalle.edu.co/index.php/ingenieria_y_competitividad/%20article/view/11333			1,00	
89.				Purity Kirori, Viviene Matiru, Joseph Mutai	Factors Associated with Bacterial Contamination of Shallow Well Water Sources. Case Study of Juja Hostels Kiambu County	Journal of Agriculture, Science and Technology, 21(4), 2022 https://www.ajol.info/index.php/jagst/article/view/233671			1,00	

90.				Jeyaragash Danaraj, Uthirakrishnan Ushani, Sybiya Vasantha Packiavathy, Jeba Sweetly Dharmadhas, Tamilarasan Karuppiah, S. Anandha Kumar, E. S. Aooj	Climate Change Impacts of Nitrate Contamination on Human Health	Climate Change Impacts of Nitrate Contamination on Human Health. In: Climate Change Impact on Groundwater Resources, Panneerselvam, B., Pande, C.B., Muniraj, K., Balasubramanian, A., Ravichandran, N. (eds), pp 257–278, Springer, Cham, 2022 https://link.springer.com/chapter/10.1007/978-3-031-04707-7_14			1,00	
91.				Talieh Abdolkhani Nezhad, Seyed Masoud Monavari	Risk Management of Waste Landfill in Operation Phase with Bow-tie Technique (Case Study: Saravan City of Rasht)	Journal of Research in Environmental Health, 9(1), 2023 https://doi.org/10.22038/jreh.2023.67538.1546 https://jreh.mums.ac.ir/article_22544_en.html			1,00	
92.				Shraddha Pandey, S.S. Dhuria, Gayatri Dev	Environmental Risks Due to Heavy Metal Pollution of Water Resulted From Coal Mining Wastes in Korba Chhattisgarh, India	Ecology Environment and Conservation, 29(4), pp.1704-1708, 2023, ISSN 0971–765X http://doi.org/10.53550/EEC.2023.v29i04.040			1,00	
93.				Dániel Balla, Emőke Kiss, Marianna Zichar, Mester Tamás	Assessment of spatial and temporal changes in groundwater quality in a rural municipality using the CCME WQI water quality indicator	Journal of Landscape Ecology, 22 (1), pp.3-, 2024 https://doi.org/10.56617/tl.4964			1,00	
94.				Grace Martins, Peter Mafimisebi	Impacts of Sewage Wastewater on Groundwater Quality and Health Risk in Makoko, Lagos, Nigeria	Asian Journal of Basic Science & Research, 6(3): pp.100-110, July-September 2024 https://ajbsr.net/data/uploads/4762.pdf			1,00	
95.				Surendra Roy	Groundwater Contamination: Sources and Remediation Techniques	Water and Energy International 67(8), 2024: 20-24. https://www.indianjournals.com/article/wei-67r-8-003			1,00	
96.				Camelia Elena Luchian, Andreea Popîrdă, Lucia Cintia Colibaba, Ana Georgiana Popa, Cristina Elena Scuturaşu, Liliana Rotaru, Valeriu V. Cotea	Quantitative Determination of Heavy Metal in Water and Sediment from Lakes in North Moldova, Romania	E-Health and Bioengineering Conference, Iasi, Romania, pp.1-4, 2019. https://ieeexplore.ieee.org/document/8969910/authors				0,50
97.				Daniel Boicu, Ionuț Minea	A method of Correlating Groundwater Levels with Precipitation	International Scientific Conference GEOBALCANICA, pp.3-14, 2021. http://geobalcanica.org/wp-content/uploads/GBP/2021/GBP.2021.01.pdf				0,50
98.				Ana M. Petrovic, Vesna Djukic, Boris Radic	Hydrological Modelling of the Toplica Watershed in Addressing New Challenges of Flood Risk Assessment	International Scientific Conference GEOBALCANICA, pp.29-35, 2021. http://geobalcanica.org/wp-content/uploads/GBP/2021/GBP.2021.03.pdf				0,50
99.	**Ancuța Rotaru**	Geoenvironmental Issues Concerning the Black Sea Basin	International Journal of Energy and Environment, 2010	G. Lericolais, J. Bourget, I. Popescu, P. Jermannaud, T. Mulder, S. Jorry, N. Panin	Late Quaternary Deep-sea Sedimentation in the Western Black Sea: New Insights from Recent Coring and Seismic Data in the Deep Basin	Global and Planetary Change, 103: 232–247, Published by Elsevier, ISSN: 0921-8181, 2013. http://www.sciencedirect.com/science/article/pii/S0921818112000677	10,00 x 4,243= 42,430			
100.				Hakan Çınar, Hamdi Alkan	Crustal S-wave Structure beneath Eastern Black Sea Region Revealed by Rayleigh-wave Group Velocities	Journal of Asian Earth Sciences, 115: 273-284 Published by Elsevier, 2016. http://www.sciencedirect.com/science/article/pii/S1367912015301218	10,00 x 2,763= 27,630			
101.				Serafeim E.Poulos	The Mediterranean and Black Sea Marine System: An Overview of Its Physico-geographic and Oceano Graphic Characteristics	Earth-Science Reviews, Vol. 200, Elsevier, January 2020 https://www.sciencedirect.com/science/article/pii/S0012825219306348	10,00 x 9,530= 95,300			
102.				Gilles Lericolais, Julien Bourget, Stephan Jorry, Irina Popescu, Victor Abreu, Gwenael Jouannic, Germain Bayon	The “Sink” of the Danube River Basin: The Distal Danube Deep-Sea Fan	GCS 032. New Understanding of the Petroleum Systems of Continental Margins of the World: 32nd Annual, GCSSEPM Foundation Bob F. Perkins Research Conference, 32: 701-735. Edited by Norman C. Rosen, Paul Weimer, Sylvia Maria Coutes dos Anjos, Sverre Henrickson, Edmundo Marques, Mike Mayall, Richard Fillon, Tony D'Agostino, Art Saller, Kurt Campion, Tim Huang, Rick Sarg, and Fred Schroeder, ISSN:1544-2462, 2012. https://archimer.ifremer.fr/doc/00316/42695/42273.pdf				1,00
103.				Daniela Laura Buruiana , Viorica Ghisman, Cristian Dragos Obreja	Microplastic Pollution In The Aquatic Environment, Applying A Case Study: Lower Danube-Black Sea Area - A Review	39th MILAN International Conference on “Advances in Science, Engineering & Technology” (MASET-22) Milan (Italy) March 14-16, 2022, ISBN-978-989-53228-8-6.				1,00
104.	**Ancuța Rotaru**, Vasile Boboc	A Material Used in Substructure and Roadworks: Physical Characteristics of Pozzolana Fly Ash	WSEAS Tansactions on Environment and Development, pp. 427–436, 2010 (ISSN: 1790-5079)	Neha Shreya, Bruno Valentim, Biswajit Paul, Alexandra Guedes, Sílvia Pinho, Joana Ribeiro, Colin R.Ward, Deolinda Flores	Multi-technique Study of Fly Ash from the Bokaro and Jharia coalfields (Jharkhand State, India): A Contribution to Its Use As a Geoliner	International Journal of Coal Geology 152: 25–38, Published by *Elsevier*, 2015. https://www.researchgate.net/publication/284183204_Multi-technique_study_of_fly_ash_from_the_Bokaro_and_Jharia_coalfields_Jharkhand_state_India_A_contribution_to_its_use_as_a_geoliner	5,00 4,091= 20,455			

105.		from Thermal Power Plant of Iasi, Romania		Rouba A. Joumblat, Zaher Al Basiouni Al Masri, Joseph Absi, Adel ElKordi	Investigation of Using Municipal Solid Waste Incineration Fly Ash As Alternative Aggregates Replacement in Hot Mix Asphalt	Road Materials and Pavement Design, May 2022 https://doi.org/10.1080/14680629.2022.2071756 https://www.tandfonline.com/doi/abs/10.1080/14680629.2022.2071756	5,00 x 3,792= 18,960			
106.				Rouba A. Joumblat, Zaher Al Basiouni Al Masri, Joseph Absi, Adel ElKordi	Investigation of Using Municipal Solid Waste Incineration Fly Ash as Alternative Aggregates Replacement in Hot Mix Asphalt	Road Materials and Pavement Design, 24(5), 1290–1309, 2022. https://www.tandfonline.com/doi/abs/10.1080/14680629.2022.2071756	5,00 x 3,400= 17,000			
107.				M.W. Heyns, M. Mostafa Hassan	South Africa Class F Fly Ash for Roads: Physical and Chemical Analysis	Interim: Interdisciplinary Journal, 12(3): 28–41 https://journals.co.za/toc/interim/12/3			1,00	
108.	**Ancuța Rotaru**, Vasile Boboc, Nicolae Țăranu, Monther Abdelhadi, Andrei Boboc, Oana-Mihaela Banu	The Compressive Behaviour of Aggregates Cemented with Fly Ash Collected from Coal-fired Power Plants	Revista romana de materiale-Romanian journal of materials 49(1): 141-147, 2019	Adrian Volceanov, Enikö Volceanov, Cosmin Mărculescu	Influența adaosului de cenușă de plop și cenușă de salcie asupra proprietăților mortarului de tencuială, Influence of poplar ash and willow ash admixture on plastering mortar properties	Revista romana de materiale-Romanian Journal of Materials, 49(4): 591-600, 2019. http://solacolu.chim.upb.ro/pg591-600.pdf	1,66 x 0,628= 1,042			
109.				Fakhryna Hannanee Ahmad Zaidi, Romisuhani Ahmad, Mohd Mustafa Al Bakri Abdullah, Shayfull Zamree Abd Rahim, Zarina Yahya, Long Yuan Li, Ratna Ediati	Geopolymer As Underwater Concreting Material: A Review	Construction and Building Materials, 291: 123276, 2021 https://www.sciencedirect.com/science/article/abs/pii/S0950061821010369 https://www.sciencedirect.com/journal/construction-and-building-materials/vol/291/suppl/C	1,66 x 4,419= 7,336			
110.				Chuangmin Li, Qiandong Li, Xik un Ding, Lubiao Liu, Minggu Li, Huihui Li, Lingfeng Wu, Yujie Jiang	Large-Size Macadam Mixture Stabilized with Industrial Solid Waste Fly Ash and Slag Powder: A New Mixture to Improve the Performance of Pavement Base Material	Journal of Materials in Civil Engineering, 37(5), 2025. https://doi.org/10.1061/JMCEE7.MTENG-19249	1,66 x 3,000= 4,980			
111.	Monther Abdelhadi, **Ancuța Rotaru**, Maria Gavrilescu, Nicolae Țăranu	Compressive Strength Analysis on Problematic Soils Stabilized with Fly Ash in Jordan	Environmental Engineering & Management Journal, 17(8): 1855-1861	Vladana N. Rajakovic-Ognjanovic, Milica Karanac, Jasna Smolar, Ana Petkovsek, Maja Dolic, Jovan Despotovic	Use of Up-flow Percolation Test to Assess the Environmental Properties of Raw and Treated Fly Ash	Environmental Engineering & Management Journal, 18(8): 1781-1788, 2019. http://eemj.eu/index.php/EEMJ/article/view/3935/3873	2,50 x 1,186= 2,965			
112.				Dorina Stănciulescu, Carmen Zaharia	Process Water Treatment in a Thermal Power Plant: Characteristics and Sediment/ Sludge Disposal	Environmental Engineering & Management Journal, 19(2): 255-267, 2020. scholar.google.com/scholar?oi=bibs&hl=en&cites=14750187506183316388&as_sdt=5&as_ylo=2020&as_yhi=2020	2,50 x 1,186= 2,965			
113.				Fakhryna Hannanee Ahmad Zaidi, Romisuhani Ahmad, Mohd Mustafa Al Bakri Abdullah, Shayfull Zamree Abd Rahim, Zarina Yahya, Long Yuan Li, Ratna Ediati	Geopolymer As Underwater Concreting Material: A Review	Construction and Building Materials, 291: 123276, 2021 https://www.sciencedirect.com/science/article/abs/pii/S0950061821010369 https://www.sciencedirect.com/journal/construction-and-building-materials/vol/291/suppl/C	2,50 x 4,419= 11,048			
114.				Wesam Salah Alaloul, Marsail Al Salaheen, Ahmad B.Malkawi, Khalid Alzubi, Abdulnaser M.Al-Sabaeei, Muhammad Ali Musarat	Utilizing of Oil Shale Ash As a Construction Material: A Systematic Review	Construction and Building Materials, 299, September 2021 https://www.sciencedirect.com/science/article/abs/pii/S0950061821016044	2,50 x 6,141= 15,353			
115.				Chenglin Shi, Zijian Shi	Investigation on the Properties of Concrete Containing Oil Shale Waste Ash as a Substitute for Cement	Advances in Civil Engineering, vol. 2022, Article ID 4024270, 20 pages, 2022. https://doi.org/10.1155/2022/4024270	2,50 x 1.924= 4,810			
116.	**Ancuţa Rotaru**	Some Geo-aspects of the Black Sea Basin	Proceedings of the 3rd International Conference on Environmental and Geological Science and Engineering, 169–174, 2010	Florin Onea, Alina Raileanu, Eugen Rusu	Evaluation of the Wind Energy Potential in the Coastal Environment of Two Enclosed Seas	Advances in Meteorology, Vol.2015, art no.808617 https://doi.org/10.1155/2015/808617 https://www.hindawi.com/journals/amete/2015/808617/	10,00 x 1,220= 12,200			
117.				Ionică Oncioiu, Anca Gabriela Petrescu, Eugenia Grecu, Marius Petrescu	Optimizing the Renewable Energy Potential: Myth or Future Trend in Romania	Energies, 10(6), 759, 2017. http://www.mdpi.com/1996-1073/10/6/759	10,00 x 2,676= 26,760			
118.				Ioana Delia Miftode, Gheorghe Romanescu	The Spatio-temporal Variability of Maximum Flow in the Uz Hydrographical Basin	Air and Water Components of the Environment, Cluj-Napoca, pp.125-133, 2016. https://doaj.org/article/b13ff7e5f17b41f79cda4d266d9f1b74				1,00
119.	Vasile Boboc, **Ancuța Rotaru**, Andrei Boboc	A Material for Substructure and Road Works: Mechanical Characteristics of Pozzolana Fly Ash	WSEAS Transactions on Environment and Development 6(6): 437-446	Neha Shreya, Bruno Valentim, Biswajit Paul, Alexandra Guedes, Sílvia Pinho, Joana Ribeiro, Colin R.Ward, Deolinda Flores	Multi-technique Study of Fly Ash from the Bokaro and Jharia Coalfields (Jharkhand State, India): A Contribution to Its Use As a Geoliner	International Journal of Coal Geology, 152(PART B):25-38, 2015. DOI: 10.1016/j.coal.2015.10.006 https://www.sciencedirect.com/science/article/abs/pii/S0166516215300653; https://www.academia.edu/18688481/Multi-technique_study_of_fly_ash_from_the_Bokaro_and_Jharia_coalfields_Jharkhand_state_India_A_contribution_to_its_use_as_a_geoliner	3,33 x 4,091= 13,623			

120.		from Thermal Power Plant of Iasi, Romania		Virendra Kumar Yadav, Madhusudan Hiraman Fulekar	Advances in Methods for Recovery of Ferrous, Alumina, and Silica Nanoparticles from Fly Ash Waste	Ceramics, 3, 384-420, 2020. https://doi.org/10.3390/ceramics3030034	3,33 x 3,830= 12,754			
121.				Pinnakarn Techapichetvanich, Meng Chieh Yang, Kran Suknuntha, Napawan Hirunwiroj, Paisan Jittorntam, Apisada Jiso, Aekkacha Moonwiriyakit, Arnatchai Maiuthed, Phisit Khemawoot	Major Toxin Composition of Particulate Matter from a Coal-Fired Power Plant and Its Proteomics-associated Toxico-logical Profiles in the Lungs of Balb/c Mice	Toxicology Reports, 15, 102110, 2025. https://www.sciencedirect.com/science/article/pii/S221475002500229X https://doi.org/10.1016/j.toxrep.2025.102110			0,67	
122.				Mihai Cruceru, Luminita Popescu, Cristinel Popescu, Cristinel Racoceanu	Possible Uses of Fossil Fuel Combustion Waste in Building Materials Industry	Latest Advances in Biology, Environment and Ecology, ISBN: 978-1-61804-097-8, Proceedings of the 1st International Conference on Health Science and Biomedical Systems, Iasi, Romania, June 2012. https://www.researchgate.net/profile/Mihai_Cruceru/publication/267228835_Possible_uses_of_fossil_fuel_combustion_waste_in_building_materials_industry/links/56f8135708ae38d710a25c48/Possible-uses-of-fossil-fuel-combustion-waste-in-building-materials-industry.pdf				0,33
123.	Andrei Boboc, **Ancuța Rotaru**, Vasile Boboc, Gupinath Bhandari	An Approach to Identify the Impact of Human Intervention on Major Defects in Road Design, Construction and Maintenance	Advanced Engineering Forum, 21: 327-334, Trans Tech Publications, 2017	Nancy J. White, Sigitas Mitkus	Liability of the Entity Capable of Detecting a Defect of Construction Works: A Comparative Study of the US and the Republic of Lithuania	Business, Management and Education, 16(1): 174-189, ISSN / eISSN: 2029-7491 / 2029-6169, 2018. https://www.researchgate.net/publication/327878862_Liability_of_the_entity_capable_of_detecting_a_defect_of_construction_works_a_comparative_study_of_the_US_and_the_republic_of_Lithuania	2,50			
124.	Smita Tung, Kaustuv Bhattacharya, Gupinath Bhandari, Sibapriya Mukherjee, **Ancuța Rotaru**, Vasile Boboc	Stability Analysis of the Earth Embankments Subjected to Natural Cyclic Processes	Advanced Engineering Forum, 21: 389-396, Trans Tech Publications, 2017.	Mehedi Ansary, A.B.M. Tausif Ullah Chy, Saurav Barua	Effectiveness of Geogrid for Protecting Polder in Sundarban Coastal Region	Advanced Engineering Forum, 28: 96-111, Trans Tech Publications, Switzerland, 2018. https://doi.org/10.4028/www.scientific.net/AEF.28.96 https://www.researchgate.net/publication/325931265_Effectiveness_of_Geogrid_for_Protecting_Polder_in_Sundarban_Coastal_Region			0,33	
125.				Alireza Hajiani Boushehrian; Azadeh Rezaee; Arash Vafamand	Studying the Effect of Horizontal Drains on Stability of Heterogeneous and Homogeneous Earth Dams during Rapid Drawdown Condition	Journal of the Structural Engineering and Geotechnics, 7(1), 2017: 31-45 http://www.gjseg.ir/article_532436.html			0,33	
126.				Chouireb, Mustafa, Oulad Naoui Noureddine, Abdelkader Djehiche, and Gafsi Mostefa	Analysis and Estimation of Seepage through Homogeneous Earth Dams Using Neural Network and Empirical Equation	Advanced Engineering Forum, Trans Tech Publications Ltd., May 31, 2023. https://doi.org/10.4028/p-ri07ns			0,33	
127.	**Ancuța Rotaru**, Daniel Oajdea, Pailică Răileanu	Dynamics of a Landslide Surface	WSEAS, Environmental Problems and Development, 2008	V Arad, S Arad, O Bărăiac, L Radermacher	The Stability aAalysis of the Civil Engineering from Oltenia Mining Area	International Journal of Geology, 3(7), 2013, Edited by NAUN http://www.naun.org/main/NAUN/geology/c012004-105.pdf			0,67	
128.	**Ancuța Rotaru**, Vasile Boboc	Physical Properties of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania–A Cement-like Material for Substructure Works	Proceedings of the International Conference on Risk, 2010	Cătălina Mihaela Helepciuc (Gradinaru), Marinela Bărbuță, Ciocan Vasilică, Șerbănoiu Adrian Alexandru, Andrei Cristian Grădinaru	Health and Environmental Effects of Heavy Metals Resulted from Fly Ash and Cement Obtaining and Trials to Reduce Their Pollutant Concentration by a Process of Combining-exclusion	International Multidisciplinary Scientific GeoConference: Surveying Geology & Mining Ecology Management (SGEM), 17: 441-447, Sofia, 2017. https://search.proquest.com/openview/bf90ac3233e145b6e89bda1eda12d759/1?pq-origsite=gscholar&cbl=1536338		1,25		
129.				Neha Shreya	Compaction and Hydraulic Conductivity Analysis of Fly ash of B.T.P.S. for the construction of a Natural Geoliner	The 5th international groundwater conference - On the assessment and management of groundwater resources in hard rock systems with special reference to basaltic terrain, Aurangabad (India), INIS 45(32), IGWC Groundwater Research Series 5 (III), December 2012. https://www.researchgate.net/publication/285925873_Compaction_and_Hydraulic_Conductivity_Analysis_of_Fly_ash_of_BTPS_for_the_construction_of_a_Natural_Geoliner				0,50
130.	Vasile Boboc, **Ancuța Rotaru**, Andrei Boboc	Mechanical Properties of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania–A Cement-like Material for Substructure Works	WSEAS, Proceedings of the International Conference on Risk Management, Assessment and Mitigation, 2010	Cătălin Badea	The Time Behavior of Self Compacting Concrete with Fly Ash	International Multidisciplinary Scientific GeoConference: Surveying Geology & Mining Ecology Management (SGEM), 17: 441-447, Sofia, 2017. https://search.proquest.com/openview/67170cfe4499be82b42d6e0d12044c55/1?pq-origsite=gscholar&cbl=1536338		0,83		
131.				Viremdra Kumar Yadav, Madhusudan Hiraman Fulekar	Advances in Methods for Recovery of Ferrous, Alumina, and Silica Nanoparticles from Fly Ash Waste	Ceramics, 3: 384-420, 2020 https://www.mdpi.com/2571-6131/3/3/34			0,67	
132.	Costel Pleșcan, **Ancuța Rotaru**	Aspects Concerning the Improvement of		Sanaz Sayehvand, Behzad Kalantari	Use of Grouting Method to Improve Soil Stability Against Liquefaction —A Review	Electronic Journal of Geotechnical Engineering, 17(K): 1559-1566, 2012, ISSN 1089-3032 http://www.ejge.com/2012/JourTOC17K.htm			1,00	

133.		Soils against Liquefaction	Buletinul Institutului Politehnic din Iași, Univ Tehnică „Gheorghe Asachi" din Iași, Tomul LVI (LX), Fasc. 3, Secția C-ții. Arh, 39-45	Hamed Kharrazi, Mohammad Sadra Rajabi	A Review on Grouting Techniques and Studying Its Application in Xiang'an Subsea Tunnel	The 1st International Conference on Civil Engineering, Architecture & Urban Regeneration, September 13, 2019, Teheran, Iran https://www.researchgate.net/publication/335527765_A_review_on_grouting_techniques_and_studying_its_application_in_Xiang'an_subsea_tunnel				0,50
134.	Giovanni Zanvettor, Marinela Barbuță, **Ancuța Rotaru**, Liliana Bejan	Tensile Properties of Green Polymer Concrete	Procedia Manufacturing Volume 32: 248-252, Published by Elsevier B.V., 2019	Yosra Tammam, Mucteba Uysal, Orhan Canpolat	Effects of Alternative Ecological Fillers on the Mechanical, Durability, and Microstructure of Fly Ash-based Geopolymer Mortar	European Journal of Environmental and Civil Engineering, May 2021, Taylor & Francis Online https://doi.org/10.1080/19648189.2021.1925157	2,50 x 2,516= 6,290			
135.				Mostafa Hassani Niaki, Morteza Ghorbanzadeh Ahangari, Matin Pashaian	A Material-independent Deep Learning Model to Predict the Tensile Strength of Polymer Concrete	Composites Communications, 36, 2022, 101400 https://doi.org/10.1016/j.coco.2022.101400 https://www.sciencedirect.com/science/article/pii/S2452213922003424?casa_token=TPSogn8RcjIAAAAA:f1KcYfdmRP3h7xHRgrHKSiyW5VBhLLOwc-W9JEav9LA3mIFg_S7HNmsq4Z6543ITxDR5kSpyEw	2,50 x 7,568= 18,920			
136.				Mostafa Hassani Niaki, Morteza Ghorbanzadeh Ahangari	Effect of Adding Polyamide Fiber on the Properties of Polymer Composites	In: Polymer Concretes. Advanced Construction Materials, CRC Press, Taylor and Francis Group https://doi.org/10.1201/9781003326311			0,50	
137.				Andi Prasetiyo Wibowo, Messaoud Saidani, Morteza Khorami, Mark Tyrer	Fly Ash and Silica in Expanded Polystyrene Concrete: Finding the Research Gap	Advances in Civil Engineering Materials - Selected Articles from 4th International Conference on Architecture and Civil Engineering, Kuala Lumpur, Malaysia, August 19, 2020. https://link.springer.com/chapter/10.1007%2F978-981-33-6560-5_32			0,50	
138.				Hasan Polat, Meral Ortulu, Ibrahim Alameri	Effect of Adding Polyamide Fiber on the Properties of Polymer Composites	MAS International congress on mathematics-engineering-natural&medical sciences-v, Editors Zeynep AKAR Tolga ÖZBİLEN, Institute Of Economic Development and Social Researches, IKSAD Publishing House, ISBN - 978-605-7875-67-9, Erzurum, Turkey, May 2-5, 2019. https://2793ed39-269b-4a6e-bfbb-1dd53eb9ddcb.filesusr.com/ugd/614b1f_0ab3f84472ab4035855991c08a5a25e7.pdf				0,25
139.				Manikandaprabhu Sundaramoorthy, Mohamed Shaariq, Dharsan Kathirvel, Ashwin Babu	Mechanical Behaviour of Fiber Reinforced Polymer Concrete (FRPC)	AIP Conference Proceedings, 3187, 020010, 2024 https://doi.org/10.1063/5.0236537				0,25
140.	**Ancuța Rotaru**, Paulică Răileanu	The Importance of Hydrogeolgical Analyses of Grundwater Behaviour in the Slope Stability Analyses	„Ovidius" University Anals, Constanța, Civil Engineering Series	SK Goyal, AK Narula, BS Chaudhary	Changes in Regional Groundwater Flow Directions Due to Over-exploitation and Its Impact on Quality in an Agriculture Dominated Area	International Symposium on Regional Groundwater Flow: Theory, Applications and Future Development 21-23 June2013 Xi'an, China https://scholar.google.com/scholar?oi=bibs&hl=en&cites=18072874220368013775&as_sdt=5&as_ylo=2013&as_yhi=2013				0,50
141.	**Ancuța Rotaru**	Landslides Triggered in Hard Soils and Soft Rocks in Romania	15th European Conference on Soil Mechanics and Geotechnical Engineering - Geotechnics of Hard Soils – Weak Rocks, Athens, Greece, 2011, 1383 – 1387	Xiaodong Fu, Yuxiang Du, Qian Sheng	Geo-engineering Descriptions and Damage Characteristics Assessment for Xigeda Formation, Yunnan Province, China	Environmental Earth Sciences, 80, Article no: 670, 2021, Springer Online https://link.springer.com/article/10.1007/s12665-021-09982-z	10,00 x 2,784= 27,840			
142.				Xiaodong Fu, Yuxiang Du, Qian Sheng, Zhenping Zhang, Juehao Huang	Influences of Water on the Microstructure and Mechanical Behavior of the Xigeda Formation	Bulletin of Engineering Geology and the Environment, **81(**72), 2022. https://doi.org/10.1007/s10064-022-02567-5	10,00 x 4,298= 42,980			
143.	Elmalyh Sanaa, Azzeddine Bouyahyaoui, Toufik Cherradi, **Ancuța Rotaru**, Petru Mihai	In-Plane Shear Behavior of Unreinforced Masonry Walls Strengthened with Fiber Reinforced Polymer Composites	Advances in Science, Technology and Engineering Systems, 5(2), 2020: 360–367	Seung-Hwan Son, Jae-Hyoung An, Jun-Hyeok Song, Yu-Sik Hong, Hye-Sook Jang, Hee-Chang Eun	In-Plane Strengthening of Unreinforced Masonry Walls by Glass Fiber-Reinforced Polyurea	Civil Engineering Journal (E-ISSN: 2476-3055; ISSN: 2676-6957), **7**(12), December, 2021. https://www.civilejournal.org/Guideline/12th%20Issue%20(2021).pdf	2,00 x 2,081= 4,162			
144.				Richard Badonbok Lyngkhoi, Teiborlang Warjri, Comingstarful Marthong	Experimental Investigation of AAC Masonry Walls Reinforced with Steel Wire Mesh Embedded in Bed and Bed-head Joint Under Axial Compressive Loading	Construction and Building Materials, 392, 132035, 15 August 2023. https://doi.org/10.1016/j.conbuildmat.2023.132035 https://www.sciencedirect.com/science/article/abs/pii/S0950061823017496X	2,00 x 7,400= 14,800			
145.				Hashemi, Seyyed Motasam, Ashraf Ayoub	Improved Bond Stress-Slip Relationships for Carbon Fibre-Reinforced Polymer-Strengthened Masonry Triplets	Buildings 14(1), 2024, 257. https://doi.org/10.3390/buildings14010257 https://www.mdpi.com/2075-5309/14/1/257	2,00 x 3,800= 7,600			
146.				Sergey Churilov, Elena Dumova-Jovanoska, Veronika Shendova, Lidija Krstevska, Bojan Damchevski, Dime Janchev	Experimental Investigation on Masonry Structural Joint Repointing with Cement-polymer Mortar and Polypropylene Strips	Građevinar, 76(7), 2024. http://www.casopis-gradjevinar.hr/archive/article/3893	2,00 x 1,000= 2,000			

147.				Richard Lyngkhoi, Warjri Teiborlang, Marthong Comingstarful	Shear Behaviour of AAC Masonry Reinforced by Incorporating Steel Wire Mesh within the Masonry Bed and Bed-Head Joint	Earthquakes and Structures 26(5): 363–82, 2024. https://www.techno-press.org/content/?page=article&journal=eas&volume=26&num=5&ordernum=4	2,00 x 1,10= 2,200			
148.				Chukwuwike Mike Ogwumeh, Dichuan Zhang, Chang-Seon Shon, Deuckhang Lee, Jong Kim	Engineered Experimental Study on Seismic Performance of Unreinforced Masonry Walls Retrofitted with Low-strength Cementitious Composites	Bulletin of Earthquake Engineering, **23**: 2647–2668, 2025 https://doi.org/10.1007/s10518-025-02138-5 https://link.springer.com/article/10.1007/s10518-025-02138-5	2,00 x 4,10= 8,200			
149.				Sergey Churilov, Elena Dumova-Jovanoska, Veronika Shendova, Lidija Krstevska, Bojan Damchevski, Dime Janchev	Experimental investigation on masonry structural joint repointing with cement-polymer mortar and polypropylene strips	Građevinar 76: 607-620, 2024 http://www.casopis-gradjevinar.hr/archive/article/3893 https://doi.org/10.14256/JCE.3893.2023			0,40	
150.	Marinela Bărbuță, **Ancuța Rotaru**, Traian-Dănuț Babor	Mechanical Characteristics of Polymer Concrete with Different Waste Replacements	Critical Thinking in Sustainable Rehabilitation and Risk Management of the Built Environment, 2020:200-206, Springer, Cham	Hoe Young Choi,Sung-Ho Bae,Se-Jin Choi,Haye Min Ko	Synthesis of Catechol-conjugated Chitosan and Its Application As an Additive for Cement Mortar	Bulletin of The Korean Chemical Society, Seoul and Wiley-VCH GmbH, Weinheim, Editor: Wonwoo Nam, Wiley Online Library, December 2021. https://onlinelibrary.wiley.com/doi/10.1002/bkcs.12447	3,33 x 0,969= 3,227			
151.	**Ancuța Rotaru**, Florin Bejan, Dalia Almohamad	Sustainable Slope Stability Analysis: A Critical Study on Methods	Sustainability, 14(14), 2022:8847	Mehmet Salih Keskin, Sedat Kezer	Stability of MSW Landfill Slopes Reinforced with Geogrids	Applied Science,**12**(22), 11866, 2022. https://www.mdpi.com/2076-3417/12/22/11866	3,33 x 2,838= 9,450			
152.				Sun, Yongshuai, Zhihui Li, Ke Yang, Guihe Wang, Ruilin Hu	Analysis of the Influence of Water Level Change on the Seepage Field and Stability of a Slope Based on a Numerical Simulation Method	Water **15**(2), 216, 2023, https://doi.org/10.3390/w15020216	3,33 x 3,53= 11,755			
153.				Wei Cao, Wan Zheng, Li Wenjing, 2023.	Stability of Unsaturated Soil Slope Considering Stratigraphic Uncertainty	Sustainability, **15**(13), 10717, 2023. https://doi.org/10.3390/su151310717	3,33 x 3,90= 12,987			
154.				Zhong Junhao, Shihe Zhao, Pengqin Wang, Chuantan Hou	Tunnel Face Stability Considering the Influence of Excess Slurry Pressure	Sustainability, **15**(10), 8230, 2023. https://doi.org/10.3390/su15108230	3,33 x 3,90= 12,987			
155.				Inabi Omar, Mustapha Attou, Mostafa Benzaazoua, Mohamed Qachar	Design of Cost-Effective and Sustainable Treatments of Old Landslides Adapted to the Moroccan Road Network: A Case Study of Regional Road R410 Crossing the Rifan Structural Domain	Water **15**(13) , 2423, 2023. https://doi.org/10.3390/w15132423	3,33 x 3,53= 11,755			
156.				Vaibhav Samadhiya, Jitesh T. Chavda	Numerical Investigations on Stability of 3D Soil Slopes with Different Boundary Conditions	Indian Geotechnical Journal, 54:1341-1365, Springer, 2023. https://doi.org/10.1007/s40098-023-00811-7 https://link.springer.com/article/10.1007/s40098-023-00811-7	3,33 x 1,40= 4,662			
157.				Rajendra Kumar, Kasinathan Muthukkumaran, Chetan Sharma	Technological Advancements and Sustainable Practices in Rock Slope Stability – Critical Review	Physics and Chemistry of the Earth, Parts A/B/C,136, 103699, 2024 https://www.sciencedirect.com/science/article/abs/pii/S1474706524001578?via%3Dihub	3,33 x 3,00= 9,990			
158.				Getaneh Bezie, Endalu Tadele Chala, Nagessa Zerihun Jilo, Sisay Birhanu, Kalkidan Kefale Berta, Siraj Mulugeta Assefa, Biruk Gissila	Rock Slope Stability Analysis of a Limestone Quarry in a Case Study of a National Cement Factory in Eastern Ethiopia	Scientific Reports - Nature, **14**, 18541, 2024. https://doi.org/10.1038/s41598-024-69196-8	3,33 x 3,80= 12,654			
159.				Refky Adi Nata, Gaofeng Ren, Yongxiang Ge, Ardhymanto Am Tanjung, Fadhilah Muzer, Verra Syahmer	Finite Element Modeling for Stability Assessment of Sedimentary Rock Slopes	Safety, **10**(3): 70, 2024. https://doi.org/10.3390/safety10030070	3,33 x 1,80= 5,9947			
160.				Songling Han, Changming Wang	Numerical Investigation of Bedding Rock Slope Potential Failure Modes and Triggering Factors: A Case Study of a Bridge Anchorage Excavated Foundation Pit Slope	Applied Sciences, **14**(6): 6891, 2024. https://doi.org/10.3390/app14166891	3,33 x 2,50= 8,325			
161.				Syed Saarim Ahmad	Slope Stability Analysis of Opencast Mine Dump Using the Limit Equilibrium Method—A Case Study	Mining, Metallurgy & Exploration**, 41**, pp.2555-2566, 2024. https://doi.org/10.1007/s42461-024-01081-4	3,33 x 1,50= 4,995			

162.				Miguel A. Millán, David Mencías-Carrizosa, Alejandro Calle	Sustainability of Discontinuously Supported Slopes in Temporary Shallow Excavations for Building Construction: A Stability Analysis Procedure	Sustainability, 16(23), 10393, 2024. https://www.mdpi.com/2071-1050/16/23/10393	3,33 x 3,300= 10,989			
163.				Refky Adi Nata, Gaofeng Ren, Yongxiang Ge, Ahmad Fadhly, Fadhilah Muzer, M. Fajar Ramadhan, Verra Syahmer	The Role of LEM in Mine Slope Safety: A Pre- and Post-Blast Perspective	Safety, 10(4): 101, 2024. https://www.mdpi.com/2313-576X/10/4/101	3,33 x 1,80= 5,994			
164.				Yuming Gu, Yunxing Yuan, Kangsheng Xue, Yongming Yin, Sen Lu, Xutong Jiang	A Novel Strength Reduction Method for a Slope Stability Assessment Based on a Finite Element Method	Processes, 12(10): 2273, 2024. https://www.mdpi.com/2227-9717/12/10/2273	3,33 x 2,800= 9,324			
165.				Yu Zhou, Zhibo Zang, Angran Tian, Deming Kan, Qiang Tang	Mechanical Reinforcement of Soil by Representative Herbaceous Plants for Slope Protection: A Multi-Factor Analysis and Modified WWM Model Application	Polish Journal of Environmental Studies, 34(4): 4943-4953, 2025. https://www.pjoes.com/pdf-190358-115717?filename=Mechanical%20Reinforcement.pdf	3,33 x 1,400= 4,662			
166.				Shih-Meng Hsu, Chun-Chia Hsiung, Yu-Jia Chiu, Yi-Fan Liao, Jie-Ru Lin	Development of Potential Slip Surface Identification Model for Active Deep-Seated Landslide Sites: A Case Study in Taiwan	Geosciences 14(10): 276, 2024. https://doi.org/10.3390/geosciences14100276	3,33 x 2,400= 7,992			
167.				Xiaohui Chao, Yu Xu, Yingyi Sun, Honglong Deng	Research on Settlement Control and Slope Stability of Prefabricated Beam Field for High Fill Roadbed in Mountain Areas	Journal of Applied Science and Engineering, 28(4): 783-793, 2025 http://jase.tku.edu.tw/articles/jase-202504-28-04-0011	3,33 x 1,300= 4,329			
168.				Eyerusalem Alemayehu, Endalu Tadele Chala, Nagessa Zerihun Jilo, Tiyasha Tiyasha, Belachew Moges	Optimizing Design and Stability of Open Pit sSopes in Tolay Coal Mine, Ethiopia.	Scientific Reports 15, 1570, 2025. https://doi.org/10.1038/s41598-025-86034-7	3,33 x 3,90= 12,987			
169.				Weihua Lu, Haozhang Zheng, Yuqi Song, Weizheng Liu, Yongxing Zhang, Zixiang Xu	Impact Analysis of Short-term Heavy Rainfall on Eolian Sand Slope Stability by Visualized Experiments	Journal of Hydrology, 659: 133284, 2025. https://doi.org/10.1016/j.jhydrol.2025.133284 https://www.sciencedirect.com/science/article/pii/S0022169425006225	3,33 x 6,30= 20,979			
170.				Sheng Zhang, Li Ding, Rui Yang, Feng Zhang, Chen-Xi Tong	Slope Reliability Analysis Using a Convolutional Neural Networks Surrogate Model with Emphasis on the Nonstationary Spatial Variability of Soil Properties.	International Journal of Geomechanics, 26, 2026. https://doi.org/10.1061/ijgnai.gmeng-11760 https://www.scilit.com/publications/fdaa73d1d8acdca2b2ac66ef84f3e382	3,33 x 3,30= 10,989			
171.				Ibrahim Izzah Liyanamadihah, Hashim Nurhanisah, Othman Ainon Nisa, Talib Noorfatekah, Shaharuddin Sarah	Landslide Susceptibility Assessment Using Analytical Hierarchy Process (AHP) in Hulu Selangor	Revue Internationale de Geomatique, 34(1), 2025 https://www.techscience.com/RIG/v34n1/64715 https://doi.org/10.32604/rig.2025.072321	3,33 x 0,40= 1,332			
172.				Naresh Katariya, B.S. Choudhary, Mahzad Esmaeili-Falak, A. K. Raina	Optimizing Open-pit Iron Ore Mine Waste Dump Stability with an Increased Height: A Geotechnical Perspective	Geomechanics and Engineering, 40(1), 69-78, 2025 https://doi.org/10.12989/gae.2025.40.1.069 https://www.techno-press.org/content/?page=article&journal=gae&volume=40&num=1&ordernum=7	3,33 x 2,40= 7,992			
173.				Hayk Igityan, Elbak Elbakyan, Hayarpi Hakobyan, Vanik Petrosyan, Raffi Karamyan, Ani Gevorgyan	Methodology of Studies for Construction of Water Reservoir Dams in Countries Prone to Landslide Hazard	Civil Engineering Journal-Tehran, 11(1): 279-289, 2025 https://doi.org/10.28991/CEJ-2025-011-01-016 https://www.civilejournal.org/index.php/cej/article/view/5489	3,33 x 4,90= 16,317			
174.				Demoze Kasahun, Kelifa Shirago	Effects of Geogrid Reinforcement on Slope Stability of Different Soils Using Finite Element Analysis	World Journal of Engineering, Vol. 22(7), 2025. https://doi.org/10.1108/WJE-03-2025-0129	3,33 x 1,60= 5,328	In stand by (Preprint)		
175.				V.F. Akopyan, B.M. Yazyev, A.S. Chepurnenko	Calculation of Soil Slope Stability Using Nonlinear Optimization Methods	Geology and Geophysics of Russian South, **13**(1), 2023. http://geosouth.ru/article/view/803			0,67	
176.				W.A. Wahab, R.C. Omar, Taherah M. Taher, R. Roslan, I.N.Z. Baharuddin, N.H.N. Khalid, A.A.M. Isa, N.A. Zarime, Badariah Solemon, Abd Rasid Jaapar	Resistivity Survey for Slope Zonation in Landslide Risk Study	Water Resources Development and Management, Springer, Singapore, 2023. https://doi.org/10.1007/978-981-99-3708-0_17 https://link.springer.com/chapter/10.1007/978-981-99-3708-0_17			0,67	
177.				Dahal Alok, Rajiv Khatiwada, Basant Lekhak	Green Infrastructure Solutions for Slope Stabilization Along the Kathmandu Terai/Madhesh Fast Track Road Project	KTFT Journal, **4**(1):158-65, 2024. https://doi.org/10.3126/ktftj.v4i1.70440			0,67	
178.				Amandyk Tuleshov, Bagdat Teltayev, Aizhan Muta	Assessment of a Slope Stability Using the Classical and Modified	Engineered Science, 2025, **38**, 1876 https://www.espublisher.com/journals/articledetails/1876			0,67	

					Circular Cylindrical Sliding Surface Methods					
179.				O.O. Sdvyzhkova, S.O. Olishevska, O.M. Shashenko, B.V. Morklyanyk	Analysis of A Soil Slope Stability Based on Modified Failure Criterion	Naukovyi Visnyk Natsionalnoho Hirnychoho Universytetu, (4): 090 – 097, 2025 https://doi.org/10.33271/nvngu/2025-4/090			0,67	
180.				Rudy Anarta, Refky Adi Nata, Fadhilah, Verra Syahmer	Sustainable Slope Stability Assessment and Landslide Risk Mitigation Using Integrated Geophysical and Geotechnical Approaches in the Atika Tunggal Mandiri Mining Area	PaperASIA, 41(4b): 447–459, 2025. https://doi.org/10.59953/paperasia.v41i4b.497 https://www.compendiumpaperasia.com/index.php/cpa/article/view/497			0,67	
181.				Zurab Varazashvili, Zurab Kakulia, Irakli Ramishvili, George Gaprindashvili, Goga Chakhaia, George Tlashadze, Dali Chutkerashvili	Research of Landslide Areas Developed in the Influence Zone of the Right Slope of the Zhinvali Reservoir to Determine Their Dynamics for the Purpose of Traffic Safety	Journal of Geoscience and Environment Protection, 13(2): 10-21, 2025 https://www.scirp.org/pdf/gep2025132_22173205.pdf			0,67	
182.				W. A. Wahab, R. C. Omar, Taherah M. Taher, R. Roslan, I. N. Z. Baharuddin, N. H. N. Khalid, A. A. M. Isa, N. A. Zarime, Badariah Solemon, Abd Rasid Jaapar	Resistivity Survey for Slope Zonation in Landslide Risk Study	Part of the book series: Water Resources Development and Management ((WRDM), Included in the following conference series: International Conference on Dam Safety Management and Engineering, Springer, Singapore, 2024. https://doi.org/10.1007/978-981-99-3708-0_17				0,33
183.	Alexandru Timu, G.Bejan, Gavril Sosoi, Marinela Bărbuță, **Ancuța Rotaru**	Mechanical Characte-ristics of Lightweight Concretes Obtained by Aggregate Replacement	International Scientific Conference CIBv, Brasov, România, Nov 2-3, 2018.	Ibrahim Hakeem, Mustafa Hasan Omar, Mohammed Mundher Hussein, Seror Abdul Wahhab Yaseen, Ibrahim Almeshal, Ali Alhamami	Sustainable High Strength Polymer Concrete with High Ratios of Recycled Aggregate from Different Decades under Heat Curing	Matéria (Rio J.), 30, 2025 https://doi.org/10.1590/1517-7076-RMAT-2024-0894	2,00 x 1,200= 2,400			
184.				Husain Abbas, Fareed Mahdi, Mohd Shariq	Post-consumer PET Bottle Resin-based Polymer Concrete under Multi-axial Stresses: Experiments, Analysis and Applications	European Journal of Environmental and Civil Engineering, 29(14), 3181–3203, 2025. https://doi.org/10.1080/19648189.2025.2514621 https://www.tandfonline.com/doi/full/10.1080/19648189.2025.2514621?casa_token=Ha8dptHvmfYAAAAA%3AywpyTl28ad0CoON0UEnkDRpKV403eZhxdLs6kX8w5em6uvveu8bHiRnapE8cfBKUBzLQ2m1cDwM6#	2,00 x 2,300= 4,600			
185.				Sabina Scripca, Gabriel Bejan, Marinela Bărbuță, Liliana Bejan	Characterization of Lightweight Concrete with Chopped Plastic Bottles	The 15th International Conference Interdisciplinarity in Engineering, Conference Proceedings, pp 100-109, Book Series: Lecture Notes in Networks and Systems, Liviu Moldovan, Adrian Gligor (Eds), Springer International Publishing, ISBN: 978-3-030-93816-1 https://www.springerprofessional.de/en/characterization-of-lightweight-concrete-with-chopped-plastic-bo/20094548				0,20
186.	Dashnor Hoxha, Bahrim Ismail, **Ancuța Rotaru**, David Izabel, Thibeau Renaux	Assessment of the Usability of Some Bio-Based Insulation Materials in Double-Skin Steel Envelopes.	Sustainability, 14(17), 2022. https://doi.org/10.3390/su141710797	Barrie Dams, Dan Maskell, Andrew Shea, Stephen Allen, Valeria Cascione, Pete Walker	Upscaling Bio-based Construction: Challenges and Opportunities	Building Research & Information, 2023, DOI: 10.1080/09613218.2023.2204414 https://doi.org/10.1080/09613218.2023.2204414	2,00 x 4,799= 9,598			
187.				Kyungrok Kwon, Hyok Chu Choi, Koochul Ji, Youngjin Choi, Jung Sik Kong	Fragility Assessment of Installation Defects in Industrial Standing Seam Metal Roof Subjected to Wind Loads	Journal of Civil Engineering and Management, **30**(5), 437–451, 2024, https://doi.org/10.3846/jcem.2024.21451	2,00 x 4,300= 8,600			
188.				Acar Gentiel, Marijke Steeman, Nathan Van Den Bossche	Reusing Thermal Insulation Materials: Reuse Potential and Durability Assessment of Stone Wool Insulation in Flat Roofs	Sustainability, **16**(4), 2024, 1657. https://doi.org/10.3390/su16041657 https://www.mdpi.com/2071-1050/16/4/1657	2,00 x 3,90= 12,987			
189.				Zerari Salima, Rossella Franchino, Nicola Pisacane, Carmen Llatas, Bernardette Soust-Verdaguer	Addressing the Difficulties and Opportunities to Bridge the Integration Gaps of Bio-Based Insulation Materials in the European Construction Sector: A Systematic Literature Review	Sustainability 16(19): 8711, 2024. https://doi.org/10.3390/su16198711	2,00 x 3,30= 6,600			
190.				Lily Deborde	Isolation thermique biosourcée à base de fibre de chanvre : propriétés hygroscopiques et résistance fongique à l'échelle du bâtiment	Academic Journal of Civil Engineering, 43(1), 290-1299. https://doi.org/10.26168/ajce.43.1.110			0,40	
191.				Gervásio H., Simões da Silva L., Eizaguirre-Iribar A., Olano-Azkune X., Lange J., Pradhan E.M., Renaux T., Gelders T., Huet V., Izabel D., Spagni D., Palisson A., Prudor V.	Functional and Structural Behavior of Innovative Ultra-low Carbon Building Steel Envelope Systems	Ninth International Conference on THIN-WALLED STRUCTURES − ICTWS2023 Sydney, Australia, Nov 29 – Dec 1, 2023. https://www.ictws2023.org.au/wp-content/uploads/2023/11/48289-Gervasio.pdf				0,20

192.	Yasmina Ed-Dariy, Nouzha Lamdour, Toufik Cherradi, **Ancuța Rotaru**, Marinela Barbuță, Petru Mihai	Effect of Alkali Treatment of Jute Fibers on the Compressive Strength of Normal-strength Concrete Members Strengthened with JFRP Composites	Journal of Applied Science and Engineering, 23(4), 2020, pp. 677-685	Chinyere O. Nwankwo and Jeffrey Mahachi and David O. Olukanni and Innocent Musonda	Natural Fibres and Biopolymers in FRP Composites for Strengthening Concrete Structures: A Mixed Review	Construction and Building Materials, **363**(11), 2023, 129661 https://doi.org/10.1016/j.conbuildmat.2022.129661 https://www.sciencedirect.com/science/article/pii/S0950061822033177?casa_token=RiaKXY_7VwsAAAAA:5F081yV5y9OsNa0yrUXvbU42dm_Myl7fzPCDGOz8L32_yogzcFs5vmLhpxavDjDsH3kpXKQFxA	1,67 x 7,693= 12,847			
193.				C.O. Nwankwo, J. Mahachi, D.O. Olukanni, I. Musonda	Africa's Natural Fibres Used in Polymer Composites: A Systematic Review	Polymer Composites, 2024 https://doi.org/10.1002/pc.28482	1,67 x 5,200= 8,684			
194.				Atichon Kunawisarut, Pitcha Jongvivatsakul, Tidarut Jirawattanasomkul, Suched Likitlersuang	Experimental Study and Modeling of Unidirectional Jute FRP for Concrete Confinement	Structures, **67**, 106953, 2024, ISSN 2352-0124 https://doi.org/10.1016/j.istruc.2024.106953. https://www.sciencedirect.com/science/article/pii/S2352012424011056	1,67 x 3,900= 6,513			
195.				Peng Zhang, Zheng Qin, Zhen Gao, Fei Wang, Canhua Lai	Research Progress on Impact Resistance of Fiber-reinforced Concrete–A review	Journal of Building Engineering, 112: 113982, 2025 https://doi.org/10.1016/j.jobe.2025.113982 https://www.sciencedirect.com/science/article/pii/S2352710225022193	1,67 x 7,40= 12,358			
196.				Adane Dagnaw Gudayu, Demisew Ephrem Getahun, Daniel Mulugeta Mekuriaw, Firehiwot Tsegaw Walelign, Abdella Simegnaw Ahmed	Natural Fiber Reinforced Cementitious Composites; Materials, Compatibility Issues and Future Perspectives	Composite Interfaces, 32(3), 2025 https://www.tandfonline.com/doi/full/10.1080/09276440.2024.2417162#d1e592 https://doi.org/10.1080/09276440.2024.2417162	1,67 x 2,40= 4,008			
197.				Valeria Laverde Sarmiento, José M. Benjumea, Mauricio Rincón Ortiz	Chemical and Mechanical Characterization of Treated and Untreated Woven Fique Fiber Textiles as an Alternative External Reinforcement for Concrete	Journal of Natural Fibers, 22(1). https://doi.org/10.1080/15440478.2025.2462975 https://www.tandfonline.com/doi/full/10.1080/15440478.2025.2462975?scroll=top&needAccess=true#d1e154	1,67 x 3,10= 5,177			
198.				Islam Jahidul, Hossain Tawseef, Mahmud Saeed	A Comparison Study on the Use of Jute Fiber Reinforced Polymer to Strengthen RCC Beams in Flexure	ASEAN Engineering Journal, 14(4), 179-187, 2024. https://journals.utm.my/aej/article/view/21577			0,33	
199.	Yasmina Ed-Dariy, Nouzha Lamdouar,Toufik Cherradi, **Ancuța Rotaru**, Marinela Barbuță, Petru Mihai,	The Influence of the Curing Conditions on the Behavior of Jute Fibers Reinforced Concrete Cylinders	Periodica Polytechnica Civil Engineering, 65(4): 2021,1162–1173.	Chinyere O. Nwankwo and Jeffrey Mahachi and David O. Olukanni and Innocent Musonda	Natural Fibres and Biopolymers in FRP Composites for Strengthening Concrete Structures: A Mixed Review	Construction and Building Materials, **363**(11), 2023, 129661 https://doi.org/10.1016/j.conbuildmat.2022.129661 https://www.sciencedirect.com/science/article/pii/S0950061822033177?casa_token=RiaKXY_7VwsAAAAA:5F081yV5y9OsNa0yrUXvbU42dm_Myl7fzPCDGOz8L32_yogzcFs5vmLhpxavDjDsH3kpXKQFxA	1,67 x 7,693= 12,847			
200.				Alam Md Ashraful, Rahman Md Moshiur, Islam Jahidul	Optimal Shear Strengthening of Severely Deficient RC Beam Using JFRP Laminate with Anchor	Jordan Journal of Civil Engineering, **17**(4), p723, 2023, ISSN 1993-0461, DOI 10.14525/JJCE.v17i4.13 https://openurl.ebsco.com/EPDB%3Agcd%3A1%3A22687105/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Agcd%3A173645997&crl=c	1,67 x 1,21= 2,021			
201.				Peng Zhang, Zheng Qin, Zhen Gao, Fei Wang, Canhua Lai	Research Progress on Impact Resistance of Fiber-reinforced Concrete–A Review	Journal of Building Engineering, 112, 113982, 2025 https://doi.org/10.1016/j.jobe.2025.113982 https://www.sciencedirect.com/science/article/pii/S2352710225022193	1,67 x 7,40= 12,358			
202.				Ahlam El Majid, Khadija Baba, Latifa Ouadif	Experimental Study on the Behavior of Two Expansive Soils Reinforced with Jute Fibers: Effects of Fiber Length and Content	E3S Web Conference, Volume 675, 2025 International Scientific Conference on Geosciences and Environmental Management (GeoME'5.5 2025) https://doi.org/10.1051/e3sconf/202567501010 https://www.e3s-conferences.org/articles/e3sconf/abs/2025/75/e3sconf_geome2025_01010/e3sconf_geome2025_01010.html		0,50		
203.	Yasmina Ed-Dariy, Nouzha Lamdouar,Toufik Cherradi, **Ancuța Rotaru**, Marinela Barbuta, Petru Mihai, Loredana Judele	The Behavior of Concrete Cylinders Confined by JFRP Composites: Effect of KOH Solution	5th World Congress on Civil, Structural, and Environmental Engineering (CSEE'20) Virtual Conference – October, 2020	Chinyere O. Nwankwo, Jeffrey Mahachi, David O. Olukanni, Innocent Musonda	Natural Fibres and Biopolymers in FRP Composites for Strengthening Concrete Structures: A Mixed Review	Construction and Building Materials, **363**(11), 2023, 129661 https://doi.org/10.1016/j.conbuildmat.2022.129661 https://www.sciencedirect.com/science/article/pii/S0950061822033177?casa_token=RiaKXY_7VwsAAAAA:5F081yV5y9OsNa0yrUXvbU42dm_Myl7fzPCDGOz8L32_yogzcFs5vmLhpxavDjDsH3kpXKQFxA	1,43 x 7,693= 11,001			
204.				Bushra Mushtaq, Faheem Ahmad, Yasir Nawab, Sheraz Ahmad	Optimization of the Novel Jute Retting Process to Enhance the Fiber Quality for Textile Applications	Helyion, Published by Elsevier Ltd., 2024 https://doi.org/10.1016/j.heliyon.2023.e21513 https://www.cell.com/heliyon/pdf/S2405-8440(23)08721-2.pdf	1,43 x 5,000= 7,150			
205.				Ahmet Sel, Sertac, Tuhta, Furkan Gunday	Investigation of Tunnel Formwork Structure Retrofitted with JFRP by Finite Element Method	Open Access Repository, **9**(1), 1–11. (2023). https://doi.org/10.17605/OSF.IO/D349R			0,29	
206.	Sanaa Elmalyh, Azzeddine Bouyahyaoui, Toufik Cherradi, **Ancuța Rotaru**, Petru Mihai	Shear Strength of Unreinforced Masonry Walls Retrofitted with CFRP	Advances in Science, Technology and Engineering	Nandini Priya Thatikonda, Daniele Baraldi, GiosuÃ¨ Boscato, Antonella Cecchi	Experimental Evaluation of Elastic Shear Components for Masonry in a Cosserat Continuum	International Journal of Solids and Structures, **292**, 112715, 2024, ISSN 0020-7683 https://doi.org/10.1016/j.ijsolstr.2024.112715 https://www.sciencedirect.com/science/article/pii/S0020768324000726	2,00 x 3,600= 7,200			

207.			Systems Journal (ASTESJ), 5(2), 2020, pp. 351-359	Fahimeh Yavartanoo, Chang-Soo Kim, Damon Bolhassani, Thomas H.-K. Kang,	Macro-modeling of CFRP Strengthening in U-shaped Masonry Walls under Combined Vertical and Out-of-plane Load	Engineering Failure Analysis, 177: 109664, 2025 https://www.sciencedirect.com/science/article/pii/S1350630725004054 https://doi.org/10.1016/j.engfailanal.2025.109664	2,00 x 5,70= 11,400			
208.				Richard Badonbok Lyngkhoi, Teiborlang Warjri, Comingstarful Marthong	Use of Steel Wire Mesh for Compressive Strength Enhancement of AAC Masonry Wall	Materials Today: Proceedings, 2023, ISSN 2214-7853 https://doi.org/10.1016/j.matpr.2023.02.423 https://www.sciencedirect.com/science/article/pii/S2214785323009719			0,40	
209.				Aiping Zheng, Yanling Zhai	Finite Element Analysis of Externally Attached Prefabricated RC Wall Panels for Reinforcement of Existing Regular Masonry Structures	Proceedings of the 2024 7th International Conference on Structural Engineering and Industrial Architecture (ICSEIA 2024), ISBN 10.2991/978-94-6463-429-7_22, ISSN 2589-4943 https://doi.org/10.2991/978-94-6463-429-7_22 https://www.atlantis-press.com/proceedings/icseia-24/126000593				0,20
210.	**Ancuța Rotaru**, Paulică Răileanu	Alunecarea de teren de la Pârcovaci, Județul Iași [Pârcovaci Landslide, Iasi County]	International PIARC Seminar on Managing Operational Risk on Roads Iasi, 2009	Nicolae Marcoie, Șerban Chihaia, Tomi Alexăndrel Hrăniciuc, Cătălin Dumitrel Balan, Elena Niculina Drăgoi, Mircea-Teodor Nechita	Linking Nutrient Dynamics with Urbanization Degree and Flood Control Reservoirs on the Bahlui River"	Water 16, no. 10), 2024, 1322. https://doi.org/10.3390/w16101322 https://www.mdpi.com/2073-4441/16/10/1322?utm_campaign=releaseissue_waterutm_medium=emailutm_source=releaseissueutm_term=titlelink77	5,00 x 3,400= 17,000			
211.				Mihai Ciprian Mărgărint, Mihai Niculiță, Giulia Roder, Paolo Tarolli	Risk Perception of Local Stakeholders on Natural Hazards: Implications for Theory and Practice	Natural Hazards and Earth System Sciences, **21**(11), 3251–3283, 2021 https://doi.org/10.5194/nhess-21-3251-2021 https://nhess.copernicus.org/articles/21/3251/2021/	5,00 x 4,600= 23,000			
212.	**Ancuța Rotaru**, Radu-Aurel Pescaru, Ioana Olteanu-Donţov, Alina-Mihaela Nicuță, Petru Mihai, Vasilică Ciocan, Marius-Costel Balan	Hazard Risk Mitigation for a Sustainable Built Environment	In: Rotaru, A. (eds) Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment. CRIT-RE-BUILT 2019. Springer Series in Geomechanics and Geoengineering, Springer, Cham.	Uttama Barua, Hoon Han, Mohammad Mojtahedi, Mehedi Ahmed Ansary	Integration of Proactive Building Fire Risk Management in the Building Construction Sector: A Conceptual Framework to Understand the Existing Condition	Buildings, 14(11): 3372, 2024. https://www.mdpi.com/2075-5309/14/11/3372	1,43 x 3,100= 4,433			
213.				H.H. Setiawan, M.I. Tanjung, G.K. Panda, R. Shaw, S.C. Pal, U. Chatterjee, A. Saha (eds)	Community-Based Landslide Disaster Mitigation on the Northern Slope of "Telaga Lele" Hill, Banjarnegara Regency, Indonesia	Landslide: Susceptibility, Risk Assessment and Sustainability. Advances in Natural and Technological Hazards Research, **52**, Springer, Cham, 2024. https://doi.org/10.1007/978-3-031-56591-5_21			0,29	
214.	Monther Abdelhadi, **Ancuța Rotaru**, Nafeth Abdel Hadi, Nicolae Taranu, Andrei Boboc, Oana-Mihaela Banu	The Influence of Bituminous Oil Shale Ashes on the Characteristics of Stabilized Silty-sandy Brown Clays	Revista română de materiale-Romanian Journal of Materials 49(4), 2019	Samer R. Rabab'ah, Abdulla A. Sharo, Mudhaffer M. Alqudah, Ahmed M. Ashteyat, Haitham O. Saleh	Effect of Using Oil Shale Ash on Geotechnical Properties of Cement-stabilized Expansive Soil for Pavement Applications	Case Studies in Construction Materials, 19, 2023, ISSN 2214-5095 https://doi.org/10.1016/j.cscm.2023.e02508 https://www.sciencedirect.com/science/article/pii/S2214509523006885	1,67 x 6,200= 10,354			
215.	**Ancuța Rotaru**	Landslides in Romania	International Conference on Geotechnical Engineering, November 5-6, 2010, Lahore, Pakistan	P. J. Mariya Dayana, Nizar Nisna, G.S.Parvath, Bhupendra	Rainfall Induced Hillslope Failure: A Case Study	Proceedings of the Indian Geotechnical Conference (IGC 2024), Volume 3, Springer Nature Singapore, pp. 433-447, Manish S., Jaiswal Sumeet S., Satyam Neelima, Singh Awadhesh P., Maji Vidya Bhushan (eds), 2024. https://doi.org/10.1007/978-981-96-7767-2_34				1,00
216.	Yasmina Ed-Dariy, Nouzha Lamdouar, Toufik Cherradi, **Ancuța Rotaru**, Marinela Bărbuță, Petru Mihai, Loredana Judele	Experimental Investigation of the Effects of Naoh and KOH Solution on the Behavior of Concrete Square Columns Reinforced By JFRP Composites	5th World Congress on Civil, Structural, and Environmental Engineering (CSEE'20) virtually, October 18 – 20 2020	N. Kavya, N. Nagaraja, A.R. Banagar	Studies on the Effect of Alkali Treatment on Sustainable Green Composites Reinforced with cenosphere and areca fiber in the polyester	Journal of the Indian Academy of Wood Science, **22**, 227–242, 2025. https://doi.org/10.1007/s13196-025-00377-2	1,43 x 1,200= 1,716			
217.	Daniel Lepadatu, Dl Morariu, Toufik Cherradi, **Ancuța Rotaru**, Loredana Judele	Smart Technology Optimization by Multicriteria Analysis of Civil Engineering Structure in Service Stage through Topo-geodetic Monitoring	Proceedings of the 4th International Conference on Smart City Applications (SCA 2019) SCA'19, 1-4, October, 2019, Casablanca, Marocco	P. B. Mikhno, M. Shelkovska, I. Kozar, M. Kliuka, Yu. Ye. Trehub	Justification of Geodetic Monitoring Methodology of the Retaining Walls on the Example of the Embankment in Kremenchuk	Naukovyi Visnyk Natsionalnoho Hirnychoho Universytetu (Scientific Bulletin of the National Mining University), 1, 2024. https://d1wqtxts1xzle7.cloudfront.net/122570193/01_2024_Mikhno-libre.pdf?1745965854=&response-content-disposition=inline%3B+filename%3DJustification_of_geodetic_monitoring_met.pdf&Expires=1770000758&Signature=UHbEprhu2SGUOduINZw5F45ZsRqwCb4OQI-J9dK-LKtApL5R7w7ZYUDwMesE5HbUColXvFylCiZNvCGAHPNNVV5Axq5Ohv40JPBRSMl2qLZFedrGtbm6WfRTqz2dbiukzNwHSb1wj78uUPFdD3GFRVaMedS1N8pEJ~qO6bMNpmOIx5vNW6uh7aAl2bH7bPcyU66lZwPP2TUqpe3K2SNz5VanBk8gbUa813D5iZqVK6cwJKuMf7fx2okmFVj~fG9Rwz4kjot2iZeyN1PBd~KFoqqS4w2sNFa6Kk2b8wUWwz6~G~yq8yKf5b8cSfTKqs5v7KheHCQzOfxsWBr-9ClCYg__&Key-Pair-Id=APKAJLOHF5GGSLRBV4ZA			0,40	
218.	**Ancuța Rotaru**, Gupinath Bhandari	Bridging New Solu-tions for Sustainable Rehabilitation of Structures Damaged	Advanced Engineering Forum, 21: 346-351	Naif Alsanabani, Wagdi Hamid, Ahmed Alnuaim, Khalid Al-Gahtani	An Innovative Foundation for Enhancing the Mechanism of Transferring Vertical Loads on Sandy Soil	Sicentific Reports, **15**: 39885, 2025. https://doi.org/10.1038/s41598-025-23688-3 https://www.nature.com/articles/s41598-025-23688-3	5,00 x 3,900= 19,500			

		Due to Difficult Soils or Foundation Design								
219.	George Taranu, Vasile-Mircea Venghiac, Ioana Olteanu-Dontov, Ancuta Rotaru, Ionut-Ovidiu Toma	Sustainable Design for CFS Structures: Experimental Data and Numerical Models of Hinged Connections	Sustainability, 14(13), 7813, MDPI, 2022	Pauline Jegen, Lukas Gast, Martin Faulstich	A Review of the Implementation of R-imperatives in Circular Construction	Cleaner Production Letters, 8: 100097, 2025, https://doi.org/10.1016/j.clpl.2025.100097 https://www.sciencedirect.com/science/article/pii/S2666791625000065			0,40	
						TOTAL	1.706,07	5,49	37,31	10,24
							1.713,02			

3.2 Prezentări invitate în plenul unor manifestări științifice naționale și internaționale (keynote-speaker) și Profesor invitat pentru a susține module de curs/prelegeri (exclusiv ERASMUS)

Punctaj unic pentru fiecare activitate (maxim 10 activități pentru Profesor; maxim 5 activități pentru Conferențiar)

Selecție

Nr. crt.	Manifestarea științifică	Unde și cand a avut loc manifestarea științifică	Titlul prezentării	Autorii lucrării/prezentării	Inter naționale	Naționale
1.	Sesiunea de Comunicări Științifice TEHNOMIL 2001	Academia Forțelor Terestre, Sibiu, 27 aprilie 2001	1) Asupra posibilităţlor de protecţie a apei subterane şi folosirea ei în scopuri ecologice	**Ancuța Rotaru**, Paulică Răileanu, Petru Rotaru		5,00
			2) Depozite geotehnice de adâncime pentru stocarea deşeurilor nucleare	**Ancuța Rotaru**, Paulică Răileanu, Petru Rotaru		5,00
2.	Conferința Tehnico-științifică Internațională “Probleme actuale ale urbanismului și amenajării teritoriului”	Universitatea Tehnică a Moldovei, Facultatea de Urbanism și Arhitectură, Chișinău, 30 septembrie – 1 octombrie 2004	Calculul tensiunilor de forfecare dintr-un masiv de pământ, determinate de o suprafață încărcată, utilizînd metoda sectorului	**Ancuța Rotaru**, Vasile Boboc	10,00	
3.	Sesiunea Științifică Construcții – Instalații Brașov CIB 2004	Universitatea Transilvania din Brașov, Facultatea de Construcții, 18-19 noiembrie 2004	1) Încercări la tensiune pe probe de argilă saturată normal consolidată anizotrop supusă la încercări de încărcare-descărcare	**Ancuța Rotaru**		5,00
			2) Influenţa particularităţilor stării de tensiuni asupra rezistenţei şi deformaţiilor în timp ale pământurilor	**Ancuța Rotaru**, Dănuț T. Babor, Paulică Răileanu, Petru Rotaru		5,00
4.	A IX-a sesiune de comunicări științifice cu participare internațională “Știința și învățământul fundamente ale secolului al XXI-lea	Academia Forțelor Terestre “Nicolae Bălcescu”, Sibiu, 25-26 noiembrie 2004	1) De ce este necesară cunoașterea stării de tensiuni în masivele de pământ acționate de construcții inginerești	**Ancuța Rotaru**, Paulică Răileanu		5,00
			2) Deformațiile axiae și K_o determinate pe probe de argilă saturată normal consolidată anizotrop supusă la încercări de încărcare-descărcare	**Ancuța Rotaru**, Paulică Răileanu		5,00
5.	Invited lectures	TU Viena, Institute for Engineering Geology, 21 iunie 2006, Viena, Austria	Foundations on swelling and shrinking soils in Iași County – Romania https://www.ig.tuwien.ac.at/events/vortraege/archiv/	**Ancuța Rotaru**, Paulică Răileanu, Petru Rotaru	10,00	
6.	PIARC Seminar Adapting Road Earthworks to the Local Environments	Iași, Romania, 31 mai – 2 iunie 2007	Quelques considerations sur les moyeans de preventon et des glissement de versants	**Ancuța Rotaru**	10,00	

7.	10th International Symposium Materials, Methods & Technologies	Hotel Imperial, Sunny Beach Resort, Bulgaria, 2-4 iunie 2008	Some aspects of landslide risk evaluation taking into account their distribution and properties http://old.uefiscdi.ro/UserFiles/File/MC%202008/LISTA_PROPUNERI_PROIECTE_PRIMITE_Tip_MC(2).htm	**Ancuța Rotaru**, Ana Nicuță	10,00	
8.	Dezbatere… dar să știm și noi	Fac de Construcții și Instalații Iași, corp R, amf. Anton Șesan 28 octombrie 2008	1) Tehnici moderne de predare și modul în care sunt percepute de student;	**Ancuța Rotaru**		5,00
			2) Motivația studentului de a frecventa cursurile și a studia individual	**Ancuța Rotaru**		
9.	1st WSEAS International Conference on Natural Hazards (NAHA '08)	Politehnica București, Romania, 9 noiembrie 2008	Dynamics of a Landslide Surface	**Ancuța Rotaru**, Daniel Oajdea, Paulică Răileanu	10,00	
10	International Seminar Managing Risk in Road Operations, (PIARC)	Iasi (Romania), 5-7 November 2009	Some aspects on landslide risk evaluation on public road network https://www.piarc.org/en/activities/PIARC-International-Seminars-Proceedings/PIARC-International-Seminars-2009/iasi_November09	**Ancuța Rotaru**	10,00	
11	Landslide Risk Mitigation – Challenge and Strategy Exploratory Workshop	Facultatea Construcții și Instalații Iași, corp R, 28-30 octombrie 2009	Landslide Risk Mitigation – Challenge and Strategy	**Ancuța Rotaru**	10,00	
12	Risk Management, Assessment and Mitigation (RIMA'10)	Politehnica București, Romania, 20-22 aprilie 2010	Physical Properties of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania – A Cement-like Material for Substructure Works www.imst.pub.ro/userfiles/Joint%20program.pdf	**Ancuța Rotaru**, Vasile Boboc	10,00	
			2) Mechanical Properties of Pozzolana Fly Ash from Thermal Power Plant of Iasi, Romania – A Cement-like Material for Substructure Works www.imst.pub.ro/userfiles/Joint%20program.pdf	Vasile Boboc, **Ancuța Rotaru**, Andrei Boboc	10,00	
13	European Geoscience Union, General Assembly 2010	Viena, Austria, 2-7 mai 2010	EGU2010-13952 - Causes and mechanisms of landslides triggered on foundation soil areas https://meetingorganizer.copernicus.org/EGU2010/	**Ancuța Rotaru**	10,00	
14	PMI Romania Chapter – Monthly Meeting Iasi	Iași, iulie 2017	Greșeli de proiectare în construcții (Defective Works in Construction Projects) https://pmi.ro/eveniment/pmi-romania-chapter-monthly-meeting-iasi-iulie-2017/	**Ancuța Rotaru**		5,00

15	1st Transnational Meeting of the Project *Rehabilitation of the Built Environment in the Context of Smart City and Sustainable Development Concepts for Knowledge Transfer and Lifelong Learning* - RE-BUILT	Universitatea Tehnică „Gheorghe Asachi" din Iași, 14-16 ianuarie 2019	Presentation of the RE-BUILT Project Rehabilitation of the Built Environment in the Context of Smart City and Sustainable Development Concepts for Knowledge Transfer and Lifelong Learning http://www.rebuilt.ce.tuiasi.ro/events/meetings/m1/index.html	**Ancuța Rotaru**	10,00	
16	CRIT-RE-BUILT International Conference on Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment	Universitatea Tehnică „Gheorghe Asachi" din Iași, 4-6 noiembrie 2019	Study on the Impact of the Environmental Degradation on the Atmospheric and Geological Factors of Built Areas http://www.rebuilt.ce.tuiasi.ro/events/2019/	**Ancuța Rotaru**	10,00	
17	Days of the REBUILT Construction Sector. Workshop	„Todor Kableshkov" Higher School of Transport-Sofia, Bulgaria, 19-22 februarie 2020	Hazard Risk Mitigation: Challenge or Strategy? https://www.researchgate.net/publication/346023541_Days_for_the_REBUILT_Construction_Sector	**Ancuța Rotaru**	10,00	
18	Fall Doctoral School in Orleans, France – International Workshop	Universitatea din Orleans, Franța, 24-26 noiembrie 2021	Eco-friendly Materials for Sustainable Rehabilitation of Substructure Works Affected by Hazards	**Ancuța Rotaru**	10,00	
19	KNOW-RE-BUILT International Conference on Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment	15-16 decembrie 2021, online	Presentation of the outputs of the RE-BUILT Project (Rehabilitation of the Built Environment in the Context of Smart City and Sustainable Development Concepts for Knowledge Transfer and Lifelong Learning) http://www.rebuilt.ce.tuiasi.ro/resources/conferences/2021/KNOW-RE-BUILT_Program.pdf	**Ancuța Rotaru**	10,00	
20	The 17th International Scientific Conference CIBv - Civil Engineering and Building Services 2022	Universitatea "Transilvania" din Brasov, Facultatea de Constructii, 3-4 noiembrie 2022	Using Aerial and Satellite Images to Assess the Geotechnical Characteristics of Road Infrastructure Project Sites https://cibv.unitbv.ro/program	**Ancuța Rotaru** Mădălin-Cornel Văleanu	10,00	
21	MTU Learning Spaces Seminar	Munster Technological University, Irlanda, 14 noiembrie 2025		**Ancuța Rotaru**	10,00	
TOTAL					**100,00**	

3.3 Membru în colective de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice; Recenzor pentru reviste și manifestări științifice
Punctaje unice pentru fiecare categorie, ce se acordă numai dacă sunt îndeplinite următoarele cerințe minimale:
3.3.1 – minim 2 colective de redacție și minim 8 recenzii
3.3.2 – minim 2 colective de redacție și minim 8 recenzii
3.3.3 – minim 2 comitete științifice și minim 12 recenzii
Obs.: Pentru reviste, comitete științifice internaționale, valorile minime specificate se împart la 2.

I. Editor în 1 revistă ISI internațională + 4 recenzii ISI internaționale – 2 x 10 puncte

a) Revista ISI internațională: Advances in Environmental and Geological Science and Engineering, Cornel Panait, Eugen Bârsan, Aida Bulucea, Nikos Mastorakis, Charles Long, 2010. Associate editors: Marius Mosoarcă, **Ancuța Rotaru** ISSN: 1792-4685, ISBN: 978-960-474-221-9 (se reduce la 1 – revistă internațională ISI)
http://www.wseas.us/books/2010/Constantza/EG.pdf

Recenzii internaționale reviste ISI:
1. Advances in Environmental Development, Geomatics Engineering and Tourism, Published by WSEAS Press, 2014, ISSN: 2227-4359, ISBN: 978-960-474-385-8 (list of reviewers)
http://www.wseas.org/main/books/2014/Brasov/ENVIR.pdf
2. Recent Advances in Geodesy and Geomatics Engineering, Published by WSEAS Press, 2013, ISSN: 2227-4359, ISBN: 978-960-474-335-3 (list of reviewers)
http://www.wseas.us/e-library/conferences/2013/Antalya/GENG/GENG-00.pdf
3. Mathematics and Computers in Contemporary Science, Published by WSEAS Press, 2013, ISBN: 978-960-474-356-8 (list of reviewers)
http://www.wseas.org/main/books/2013/Nanjing/SCIE.pdf
4. Recent Advances in Environmental and Biological Engineering, Published by WSEAS Press, 2014, ISBN: 978-1-61804-259-0 (list of reviewers)
http://www.wseas.org/main/books/2014/Istanbul/BIOSCUST.pdf
(se reduc la 4 – reviste internaționale ISI)

b) Revista ISI internațională: Studies on Sustainable Rehabilitation of the Built Environment, Sustainability Journal, impact factor 3.889 în 2022, MDPI Academic Open Access Publishing, Guest eds: Dashnor Hoxha, **Ancuţa Rotaru**, Wu Wei, 2022.
https://www.mdpi.com/journal/sustainability/special_issues/sustainable_rehabilitation_built_environment

Recenzii internaționale reviste ISI:
1. Towards Sustainable Soil Stabilization in Peatlands: Secondary Raw Materials as an Alternative, Sustainability journal (ISSN 2071-1050), 2021, Manuscript ID: sustainability-1179206, Published by MDPI,
https://susy.mdpi.com/user/review/review/17705945/rXZ8oYBk
2. Experimental Analysis of Incipient Motion for Uniform and Graded Sediments, Water journal (ISSN 2073-4441), 2021, Manuscript ID water-1260698, Published by MDPI,
https://susy.mdpi.com/user/review/review/18511559/Z3zLTa6R
3. Evaluating organizational sustainability: A multi-criteria based approach on sustainable project management indicators, Systems journal (ISSN 2079-8954), 2021, Manuscript ID systems-1318898, Published by MDPI,
https://susy.mdpi.com/user/review/review/19447235/snWaQp17
4. Hydraulic Fracturing in Enhanced Geothermal Systems—Field, Tectonic and Rock Mechanics Conditions—A Review, Energies journal (ISSN 1996-1073), 2021, Manuscript ID energies-1356224, Published by MDPI,
https://susy.mdpi.com/user/review/review/20271067/Yk9s2HQ3
(se reduc la 4 – reviste internaționale ISI)

II. Editor in 1 revista BDI internațională + 4 recenzii ISI (sau BDI) internaționale – 6 puncte

Revista BDI internațională: Springer Serries in Geomechanics and Geoengineering
(Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment CRIT-RE-BUILT. Proceedings of the International Conference, Iași, Romania, November 7-9, 2019, Editor: **Rotaru Ancuta**)
https://www.springer.com/gp/book/9783030611170

Recenzii internaționale:
1. Geomechanics and Geoengineering: An International Journal, Published by Taylor & Francis, ISSN 1748-6025. Recenzie a manuscrisului "Electrical analogy for modelling thermal regime and moisture distribution in sandy soils". https://www.tandfonline.com/doi/full/10.1080/17486025.2017.1309081
2. Recent Researches in Urban Sustainability, Architecture and Structures, Published by WSEAS Press, 2013, ISSN: 2227-4359 ISBN: 978-960-474-331-5 (list of reviewers) https://www.academia.edu/6599105/RECENT_RESEARCHES_in_URBAN_SUSTAINABILITY_ARCHITECTURE_and_STRUCTURES
3. Recent Advances in Energy, Environment and Geology, Published by WSEAS Press, 2013, ISSN: 2227-4359, ISBN: 978-960-474-338-4 (list of reviewers) http://www.wseas.org/main/books/2013/Antalya/NEGIC.pdf
4. Recent Advances in Civil and Mining Engineering, Published by WSEAS Press, 2013 ISSN: 2227-4588 ISBN: 978-960-474-337-7 (list of reviewers) http://www.wseas.org/main/books/2013/Antalya/MINEC.pdf

III. Comitete științifice + 6 recenzii internaționale

Comitete științifice (internaționale, selecție) **– 2 x 4 puncte**

a) Comitete științifice Conferințe ISI

1. 1st International Conference on Tourism and Economic Development (TEDE'13) Nanjing, China November 17-19, 2013 http://www.wseas.org/main/books/2013/Nanjing/SCIE.pdf
2. 2nd European Conference of Geodesy & Geomatics Engineering (GENG'14) Brașov, România June 26-28, 2014 https://www.academia.edu/6599105/RECENT_RESEARCHES_in_URBAN_SUSTAINABILITY_ARCHITECTURE_and_STRUCTURES
3. 3rd International Conference on Sustainable Cities, Urban Sustainability and Transportation (SCUST'14) Istanbul, Turkey December 15-17, 2014 http://www.wseas.org/main/books/2014/Istanbul/BIOSCUST.pdf
4. 1st International Conference on New Directions in Business, Management, Finance and Economics (ICNDBM 2013), Famagusta, Northern Cyprus, Sept 12-14 2013 http://www.allconferences.com/c/1st-international-conference-on-new-directions-in-business-management-finance-and-economics-icndb-famagusta-2013-september-13 (certificat de participare)

Recenzii (internaționale reviste ISI, se reduc la 6)

1. Effect of Bound Water Content on Secondary Compression of Three Marine Silty Clays, Journal of Marine Science and Engineering 10, no. 2: 261. https://doi.org/10.3390/jmse10020261WSEAS-PaperReviewForm_Paper 407-2_2020
2. Dilatant Nature of Sand Shear Strength, Applied Sciences 12, no. 5: 2332. https://doi.org/10.3390/app12052332
3. Physical Similarity Simulation of Deformation and Failure Characteristics of Coal-Rock Rise under the Influence of Repeated Mining in Close Distance Coal Seams, Energies 15, no. 10: 3503. https://doi.org/10.3390/en15103503
4. Measurement of Forces in a Mining Plough Chain during Operation, Energies 15, no. 16: 6003. https://doi.org/10.3390/en15166003
5. Innovative Overview of SWRC Application in Modeling Geotechnical Engineering Problems, Designs 6, no. 5: 69. https://doi.org/10.3390/designs6050069
6. Comparison of numerical simulation of seepage flow in a single rock fracture based on 3D and 2D models, Mathematics -1874204 https://susy.mdpi.com/user/review/review/29405362/tlHvTZ6P

b) Comitete științifice conferințe BDI

1. International Conference on Knowledge Transfer in Sustainable Rehabilitation and Risk Management of the Built Environment – KNOW-RE-BUILT – ONLINE, 15-16 decembrie 2021, președinte al comitetului științific http://www.rebuilt.ce.tuiasi.ro/

2. International Conference on Critical Thinking in Sustainable Rehabilitation and Risk Management of the Built Environment – CRIT-RE-BUILT – Iași, România, 7-9 noiembrie 2019, președinte al comitetului științific http://rebuilt.ce.tuiasi.ro/conferences/2019/
3. International Conference – Towards a Sustainable Built Environment EBUILT, 2016, Iași http://ebuiltiasi.com/
4. 4th International Balkans Conference on Challenges of Civil Engineering (4-BCCCE), mai 28-29, 2020 (amânată pt. 30-31 octombrie 2020), Tirana, Albania http://bccce.epoka.edu.al/2020/category-committees-2720.html https://epoka.edu.al/conferences/bccce/2020/docs/BCCCE_2020_Book_of_Proceedings.pdf
5. WASET - International Scientific Committee of Civil and Environmental Engineering https://waset.org/committees/civil-and-environmental-engineering?page=5

Recenzii (internaționale, se reduc la 6)

7. WSEAS-PaperReviewForm_Paper 407-1_2020
8. WSEAS-PaperReviewForm_Paper 407-2_2020
9. African Journal of Engineering Research_AJER-2016-025 - Comparison of physical and chemical properties of soils in China and Iraq_2016 http://www.netjournals.org/pdf/AJER/2016/4/16-025.pdf
10. Challenge Journal of Structural Mechanics_448-1957-2-RV, 5(4), ISSN 2149-8024 - Modification of the Effective Area Method on Two-Way Loaded Shallow Foundations_2019 http://www.challengejournal.com/index.php/cjsmec/article/view/448
11. Challenge Journal of Structural Mechanics_ 288-1130-3-RV, 4(2) 2018, ISSN 2149-8024 - Effects of Structural Irregularities on Low and Mid-rise RC Building Response_2018 http://www.challengejournal.com/index.php/cjsmec/article/view/288
12. WSEAS_2019-3180-AJS - A Short Review of Cementation in Carbonate Environments

Alte rezultate/ activități de recunoaștere și impact al activității

Chairperson conferințe internaționale

1. International Conference Risk Management, Assessment and Mitigation (RIMA'10), Bucharest, Romania, 20-22 aprilie 2010 – RIMA Special Session Sustainable Civil Engineering http://www.imst.pub.ro/userfiles/Joint%20program.pdf
2. International Conference – Towards a Sustainable Built Environment EBUILT, 2016, Iași, România http://ebuiltiasi.com/
3. International Conference on Critical Thinking in Sustainable Rehabilitation and Risk Management of the Built Environment – CRIT-RE-BUILT – Iași, România, 7-9 noiembrie 2019 http://rebuilt.ce.tuiasi.ro/conferences/2019/
4. International Conference on Knowledge Transfer in Sustainable Rehabilitation and Risk Management of the Built Environment – KNOW-RE-BUILT – Iași, România, ONLINE, 15-16 decembrie 2021 http://www.rebuilt.ce.tuiasi.ro/resources/conferences/2021/KNOW-RE-BUILT_Program.pdf

Președinte comitete științifice conferințe internaționale

1. International Conference on Critical Thinking in Sustainable Rehabilitation and Risk Management of the Built Environment – CRIT-RE-BUILT – Iași, România, 7-9 noiembrie 2019 http://rebuilt.ce.tuiasi.ro/conferences/2019/
2. International Conference on Knowledge Transfer in Sustainable Rehabilitation and Risk Management of the Built Environment – KNOW-RE-BUILT – Iași, România, ONLINE, 15-16 decembrie 2021 http://www.rebuilt.ce.tuiasi.ro/resources/conferences/2021/Know-re-buit_COMMITTEES.pdf

Organizator conferințe internaționale

1. International Conference Risk Management, Assessment and Mitigation (RIMA'10), Bucharest, Romania, 20-22 aprilie 2010 – RIMA Special Session Sustainable Civil Engineering http://www.wseas.us/conferences/2010/bucharest/rima/Session2.htm
2. International Conference on Critical Thinking in Sustainable Rehabilitation and Risk Management of the Built Environment – CRIT-RE-BUILT – Iași, România, 7-9 noiembrie 2019

http://ce.legacy.tuiasi.ro/ro/conferinte-simpozioane-evenimente/

3. International Conference on Knowledge Transfer in Sustainable Rehabilitation and Risk Management of the Built Environment – KNOW-RE-BUILT – Iași, România, ONLINE, 15-16 decembrie 2021 http://www.rebuilt.ce.tuiasi.ro/resources/conferences/2021/Know-re-buit_COMMITTEES.pdf

Organizator workshop-uri naționale și internaționale

1. The 8th National Conference of Soil Mechanics and Foundation Engineering, Iași, 25-28 septembrie 1996
2. Soluții și sisteme de reabilitare structurală cu materiale compozite polimerice armate cu fibre – RECOPAF Simpozion național cu participare internațională, Iași 19 mai 2006
3. Landslide risk mitigation – challenge and strategy – Iași, România, 28-30 octombrie 2009 (afiș) https://www.researchgate.net/publication/346023677_Afis_Workshop_exploratoriu_octombrie_2009
4. Sustainability and Perspectives on Geotechnical Engineering Workshop – 14 noiembrie 2016, Iași, România (afiș) https://www.researchgate.net/publication/346023306_Sustainability_and_Perspectives_on_Geotechnical_Engineering_Workshop_-_Poster
4. Integrating Structures into the Built Environment for Sustainable Development – 19 iunie 2019, Iași, România (afiș) https://www.researchgate.net/publication/346023701_Integrating_Structures_into_the_Built_Environment_for_Sustainable_Development_Poster
5. Rehabilitation Challenges and Solutions in the Built Environment – 5, 6, 11 noiembrie 2019, Iași, România (afiș) https://www.researchgate.net/publication/346023785_Rehabilitation_Challenges_and_Solutions_in_the_Built_Environment_Poster_A3_Workshop
6. Sustainable Rehabilitation and Advances in Building Materials – 24 iunie 2022, Iași, România (afiș) https://www.researchgate.net/publication/363265633_Afis_erasmus
7. Conversation on Sustainability in Civil Engineering – June 26, 2025, Iași, Romania

Comitete științifice conferințe naționale

1. A 17-a ediție a Conferinței Danubian-Europene de Mecanica Pământurilor și Inginerie Geotehnică, 7-9 iunie 2023, București https://17decge.ro/about-the-conference/#comittees
2. A XIV-a Conferință Națională de Geotehnică și Fundații, 2-5 septembrie 2020 (amânată în iunie 2021), București http://cngf.srgf.ro/wp-content/uploads/2019/11/Buletin-01RO.pdf
3. A XIII-a Conferință Națională de Geotehnică și Fundații, 7-10 septembrie 2016, Cluj-Napoca
4. A XII-a Conferinţă Naţională de Geotehnică și Fundaţii**,** 20-22 septembrie 2012, Iaşi

Alte comitete editoriale/ științifice

1. International Research Journal on Advanced Science Hub (IRJASH)
2. World Academy of Science, Engineering and Technology - Civil and Environmental Engineering https://waset.org/committees/civil-and-environmental-engineering?page=6
3. American Journal of Civil Engineering https://www.sciencepublishinggroup.com/journal/editorialboard?journalid=229
4. Membru al comitetului științific al Academic Civil Engineering Unit (ATINER) https://www.atiner.gr/civil-unit

Membru în societăți academice/ profesionale:

1. Societatea Romană de Geotehnică și Fundații (SRGF)
2. International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE)
3. Membru al Athens Institute for Education and Research, Academic Civil Engineering Unit (ATINER) https://www.atiner.gr/civil-unit
4. Membru al World Academy of Science, Engineering and Technology, Civil and Environmental Engineering (WASAT) https://waset.org/committees/civil-and-environmental-engineering?page=6
5. Membru al Canadian Institute for Knowledge Development (CIKD) https://cikd.ca/new-cikd/former_associations/prof-ancuta-rotaru/

5.4 Experiență de management universitar și de cercetare

5.4.1 Funcții de conducere (rector, prorector, decan, prodecan, director de departament, director școală doctorală, director general, director științific, șef secție, șef laborator)

Nr. crt.	Funcție de conducere	nr. ani	Punctaj
1	Administrator șef Facultatea de Construcții și instalații (asimilat prodecan, 1999 - 2007)	**9**	**5*nr. de ani= 45**
	Punctaj total	**45**	

5.4.2 Membru în organisme de conducere (senat, consiliul facultății, consiliul științific)

Nr. crt.	Organisme de conducere	nr. ani	Punctaj
1	Membru invitat în Consiliul Facultăţii de Construcții și Intalații (1999-2007)	**9**	-
	Punctaj total	**-**	

TOTAL Recunoașterea și impactul activității (A3)	**1.653,382**

Prof.univ.dr.habil.ing. Ancuța ROTARU

12 octombrie 2026

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
FACULTATEA DE CONSTRUCȚII SI INSTALAȚII
DEPARTAMENTUL DE CĂI DE COMUNICAȚII ȘI FUNDAȚII
postul de **PROFESOR UNIVERSITAR**

Disciplinele postului: Geologie inginerească
Probleme speciale de geotehnica si fundații
Fundații in condiții speciale

FIŞA DE VERIFICARE
a îndeplinirii standardelor universităţii profesor universitar

Candidat: ROTARU ANCUȚA*I* Data naşterii: 5.02.1962 Funcţia actuală: profesor, Data numirii în funcţia actuală: februarie 2023, Universitatea Tehnică “Gheorghe Asachi” din Iași

1. Studiile universitare de licenţă

Nr. crt.	Instituţia de învăţământ superior şi facultatea absolvită – anul absolvirii	D o m e n i u l / programul de studii (specializarea)	Titlul acordat	Media de şcolaritate	Media examenului de finalizare
1	Institutul Politehnic Iași (Universitatea Tehnică “Gheorghe Asachi” din Iași), 1986	Constructii/ Constructii Civile, Industriale și Agricole	inginer	9,24	10,00

2. Studiile universitare de master

Nr. crt.	Instituţia de învăţământ superior şi facultatea absolvită – anul absolvirii	D o m e n i u l / programul de studii (specializarea)	Media de şcolaritate	Media examenului de finalizare

2. Studiile de doctorat

Nr. crt.	Instituţia organizatoare de doctorat/ conducatorul de doctorat	D o m e n i u l	Perioada	Titlul ştiinţific acordat
1	Universitatea Tehnică “Gheorghe Asachi” din Iași/ Prof.dr.ing.Paulică Răileanu	*Inginerie Civilă*	*1992 - 1997*	*Doctor inginer*

3. Studii şi burse postdoctorale (stagii de cel puţin 6 luni)

Nr. crt.	Ţara / I n s t i t u ţ i a	D o m e n i u l / Specializarea	Perioada	Tipul de bursă

4. Grade didactice/profesionale

Nr. crt.	I n s t i t u ţ i a	D o m e n i u l	Perioada	Titlul/postul didactic sau gradul/postul profesional
1	Universitatea Tehnică “Gheorghe Asachi” din Iași	*Constructii și Instalații*	*2007 - 2009*	*Șef de lucrări*
2	Universitatea Tehnică “Gheorghe Asachi” din Iași	*Constructii și Instalații*	*2009 – 2023*	*Conferențiar universitar*
3	Universitatea Tehnică “Gheorghe Asachi” din Iași	*Constructii și Instalații*	*2023- prezent*	*Profesor universitar*

5. Îndeplinirea standardelor minimale ale universităţii

Tabelul 1. Standardul minimal al universităţii SMU.PROF.1 – Activitatea didactică

Standardul minimal al universităţii SMU.PROF.1 – Activitatea didactică	Indicatori de performanţă			Realizări (se trec cifrele de ordine ale realizărilor cuprinse în lista de lucrări, iar, după caz, celelalte realizări se nominalizează explicit)	Punctaj/ realizare	Număr impus de realizări	Număr de realizări ale candidatului	Număr puncte
Valoarea contribuţiilor la dezvoltarea activităţilor didactice / profesionale, prin cărţi/ capitole publicate în edituri recunoscute CNCS, sisteme de laborator funcţionale, metode de lucru avansate aplicate etc. - după caz, cu referire distinctă la realizările după acordarea ultimului titlu didactic/ grad profesional.	Ca	Carte/ curs/ manual publicată în străinătate		1.1; 1.2; 1.3	8	-	3	102,89
		Capitol carte/ curs/ manual publicat în străinătate		3.5 ; 3.24 ; 3.25 ; 3.36 – 3.41	6	-	9	2,376
		Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)		2.2 ; 2.2 ; 2.3	5	1	3	48,28
		Capitol curs/ manual publicat în editură recunoscută CNCS		3.1 – 3.4 ; 3.6 – 3.23 ; 3.26 – 3.35	3	-	32	2,676
	I	Indrumar laborator/ proiect/ lucrări seminar/ culegere de probleme (publicat sau disponibil pe Web)		2.4	4	1	1	9,15
	D	Sisteme de laborator funcţionale (numai pentru disciplinele prevăzute cu lucrări de laborator/	Amenajare lucrare nouă de laborator cu instalaţie experimentală		2	2	2	-
			Amenajare/ concepere lucrare nouă de laborator/ proiect/ simulare pe calculator/ studiu de caz	D.1.1. ; D1.2.	1.5			3

		proiect/ lucrări)	Contribuţie la dotarea laboratoarelor, în valoare echivalentă cu 700 Euro	D.1.3.	1	-	1	1
	W	Utilizarea sistemelor de predare/ învăţare/ evaluare de tip e-learning/ on-line/ multimedia etc.	Suport de studiu/ autoinstruire pe Web pentru seminar, laborator, proiect (integral pentru o disciplină)		1	1	-	-
			Suport de prezentare/ instruire text/ video/ audio/ ppt a disciplinei	D.2.1.	1		1	1
Total puncte SMU.PROF.1 (min. 24)								170,372

Punctajul se calculează conf. Anexei 3.

Alte condiţii:
- deţine diploma de doctor în ramura de ştiinţă corespunzătoare postului sau într-o ramură înrudită;

***Pentru candidaţii care vin din afara Universităţii*:**
- media examenului de finalizare a studiilor universitare de licenţă şi de masterat: minim 9,00
- media generală de şcolaritate: la licenţă minim 8,00, la masterat minim 9,00

14 octombrie 2026

Prof.univ.dr.ing. Ancuța Rotaru