Anexa nr.1

FIȘA DE EVALUARE GENERALĂ A STANDARDELOR UNIVERSITĂȚII

CRITERIUL I [1]

Autoevaluare: CS dr. Elena-Andreea MAFTEI
Concurs: CS III, poziția 18

CRITERIUL I	DESCRIPTORI	PUNCTAJE ACORDATE	PUNCTAJ REALIZAT
ACTIVITATEA DE CERCETARE[1] (100%)	**1.** Articole ştiinţifice publicate *in extenso* în reviste cotate *Web of Science* cu factor de impact	(60 puncte x factor de impact + 25) / număr autori	**671.78**
	2. Articole ştiinţifice publicate *in extenso* în reviste indexate fără factor de impact	20 puncte / număr autori	
	3. Articole ştiinţifice publicate *in extenso* în reviste indexate BDI	15 puncte / număr autori	
	4. Articole ştiinţifice publicate *in extenso* în volumele conferinţelor	indexate ISI: 30 puncte / număr autori	
		indexate în BDI: 15 puncte / număr autori	**3.75**
		alte categorii: 5 puncte / număr autori	
	5. Cărţi ştiinţifice publicate (doar prima ediţie)	edituri academice internaţionale: 100 puncte la 100 pagini / număr autori	
		alte edituri internaţionale: 70 puncte la 100 pagini / număr autori	
		edituri academice naţionale: 50 puncte la 100 pagini / număr autori	
		alte edituri naţionale: 20 puncte la 100 pagini / număr autori	
	6. Cărţi ştiinţifice traduse şi publicate în edituri din străinătate	100 puncte la 100 pagini / număr autori	
	7. Coordonarea şi editarea de volume, traduceri şi antologii	edituri academice internaţionale: 60 puncte / număr autori	
		alte edituri internaţionale: 40 puncte / număr autori	
		edituri academice naţionale: 30 puncte / număr autori	
		alte edituri naţionale: 15 puncte / număr autori	
	8. Articole publicate în dicţionare şi enciclopedii	edituri academice internaţionale: 30 puncte / număr autori	
		alte edituri internaţionale: 20 puncte / număr autori	

[1] Pentru activitatea de cercetare se va lua în considerare procentul de 100%

CRITERIUL I	DESCRIPTORI	PUNCTAJE ACORDATE	PUNCTAJ REALIZAT
		edituri academice naţionale: 15 puncte / număr autori	
		alte edituri naţionale: 5 puncte / număr autori	
	9. Contracte de cercetare ştiinţifică în instituţii academice (universităţi, institute ale Academiei Române, institute naţionale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)	contracte internaţionale – director: 100 puncte pentru fiecare 100.000 Euro	
		contracte internaţionale – membru: 100 puncte pentru fiecare 100.000 Euro / numărul membrilor echipei de cercetare	
		contracte naţionale – director: 50 puncte pentru fiecare 500.000 lei	**5.11**
		contracte naţionale – membru: 50 puncte pentru fiecare 500.000 lei / numărul membrilor echipei de cercetare	**9.00**
	10. Contracte de cercetare în mediul de afaceri şi sectorul public	organizaţii internaţionale: 100 puncte pentru fiecare 100.000 Euro	
		firme multinaţionale: 100 puncte pentru fiecare 100.000 Euro	
		firme naţionale: 50 puncte pentru fiecare 500.000 Euro	
		organizaţii administrative naţionale: 40 puncte pentru fiecare 500.000 Euro	
		alte organizaţii publice de nivel naţional: 30 puncte pentru fiecare 500.000 Euro	
	11. Brevete	internaţionale: 100 puncte / număr de autori	
		naţionale: 30 puncte / număr autori	
	12. Citări şi recenzii ale lucrărilor ştiinţifice	reviste de specialitate din străinătate: (10 + 20 x factor de impact) / număr autori, pentru fiecare citare	**1690.98**
		reviste de specialitate din ţară: (5 + 10 x factor de impact) / număr autori, pentru fiecare citare	**58.22**
		monografii academice din străinătate: 50 puncte / număr autori, pentru fiecare citare	
		monografii academice din ţară: 25 puncte / număr autori, pentru fiecare citare	
	13. Lucrări susţinute în calitate de invitat la manifestări ştiinţifice (conferinţe, congrese, simpozioane, seminarii şi ateliere de lucru)	străinătate: 25 puncte pentru fiecare activitate	
		ţară: 10 puncte pentru fiecare activitate	
	14. Profesor/cercetător invitat la	străinătate: 25 puncte pentru fiecare	

CRITERIUL I	DESCRIPTORI	PUNCTAJE ACORDATE	PUNCTAJ REALIZAT
	universităţi/institute de cercetare	activitate	
		ţară: 10 puncte pentru fiecare activitate	
	15. Editor/Membru în *Editorial Board* & *Advisory Board*	reviste cotate *Web of Science*: editor, 30 puncte pentru fiecare revistă; membru, 20 puncte pentru fiecare revistă	**20**
		reviste internaţionale şi alte reviste ale Universităţii: editor, 15 puncte pentru fiecare revistă; membru, 10 puncte pentru fiecare revistă	
	16. Premii internaţionale obţinute printr-un proces de selecţie	100 puncte / categorie / număr persoane	
	17. Premii ale Academiei Române	50 puncte / categorie / număr persoane	
	18. Alte premii naţionale ale instituţiilor culturale	20 puncte / categorie / număr persoane	**21.19**
	19. Participări la manifestări ştiinţifice	internaţionale: preşedinte comitet organizare/consiliu ştiinţific, 25 puncte pentru fiecare activitate; membru comitet organizare/consiliu ştiinţific, 15 puncte pentru fiecare activitate; moderator de panel, 15 puncte pentru fiecare activitate; raportor pe secţiuni/paneluri, 10 puncte pentru fiecare activitate	**70**
		naţionale: preşedinte comitet organizare/consiliu ştiinţific, 15 puncte pentru fiecare activitate; membru comitet organizare/consiliu ştiinţific, 5 puncte pentru fiecare activitate; moderator de panel, 5 puncte pentru fiecare activitate; raportor pe secţiuni/paneluri, 2 puncte pentru fiecare activitate	**30**
		TOTAL PUNCTAJ CRITERIU 1	**2580**

Universitatea "Alexandru Ioan Cuza" din Iași
Institutul de Cercetări Interdisciplinare
Autoevaluare: CS dr. Elena-Andreea MAFTEI
Concurs: CS III, poziția 18

ANEXA 1

FIȘA DE EVALUARE GENERALĂ A STANDARDELOR UNIVERSITĂȚII

1. Articole ştiinţifice publicate *in extenso* în reviste cotate *Web of Science* cu factor de impact (60 puncte x factor de impact +25) / număr autori

	Articol	***Factor de impact / nr. autori***		***Punctaj***
1	Coromelci C. G., **Maftei A. E.**, Neamtu M., Ababei G., Brinza L. (2024) – Amorphous iron oxyhydroxides nano precursors used for Reactive Yellow 84 removal from aqueous solutions. Separation and Purification Technology, 331, 125632.	8.600	5	108.20
2	**Maftei A. E.**, Ahmed I., Neamtu M., Coromelci C. G., Ignat M., Brinza L. (2023) – Nanocrystalline structured ethylene glycol doped maghemite for persistent pollutants removal. Environmental Science-Water Research & Technology, 9(6), p. 1634-1645.	5.000	6	54.17
3	Damian G., Apopei A.I., Buzatu A., **Maftei A.E.**, Damian F. (2023) – New Mineral Occurrences in Massive Sulfide Deposits from Manaila, Eastern Carpathians, Romania. Minerals, vol. 132 (1), 111.	2.500	5	35.00
4	Scarlat A. A., Iancu O. G., Chelariu C., Loghin S., Cotac V. N., Buliga I., **Maftei A. E.** (2023) – Spatial geochemical distribution of some potentially toxic elements within river bed sediments from Rodna Mountains, Eastern Carpathians, Romania. Present Environment and Sustainable Development, vol. 17 (1), p. 155-169.	0.700	7	9.57
5	Brinza L., Maftei A. E., Tascu S., Brinza F., Neamtu M. (2022) – Advanced removal of Reactive Yellow 84 azo dye using functionalised amorphous calcium carbonates as adsorbent. Scientific Report, 12 (3112), p. 1:15.	4.600	5	60.20
6	Dincă G., Apopei A.I., Szabo R., **Maftei A. E.** (2022) – The Effect of Mn Substitution on Natural Sphalerites by Means of Raman Spectroscopy: A Case Study of the Săcărâmb Au–Ag–Te Ore Deposit, Apuseni Mountains, Romania. Minerals, vol. 12 (7), 885.	2.500	4	43.75

7	Damian G., Buzatu A., Apopei A. I., Damian F., **Maftei A. E.** (2021) – Hydrothermal sphalerites from ore deposits of Baia Mare area. Minerals, 11(12), p. 1-23.	2.818	5	38.82
8	Apopei A. I., Buzgar N., Buzatu A., **Maftei A. E.**, Apostoae L. (2021) – Digital 3D Models of Minerals and Rocks in a Nutshell: Enhancing Scientific, Learning, and Cultural Heritage Environments in Geosciences by Using Cross-polarized Light Photogrammetry. Carpathian Journal of Earth and Environmental Sciences, 16(1), pp. 237–249.	1.316	5	20.79
9	**Maftei A. E.**, Buzatu A., Damian G., Buzgar N., Dill H. G., Apopei A. I. (2020) – Micro-Raman—a tool for the heavy mineral analysis of gold placer-type deposits (Pianu Valley, Romania). Minerals, 10(11), p. 1-17.	2.644	6	30.61
10	**Maftei A. E.**, Buzatu A., Buzgar N., Apopei A. I. (2019) – Spatial Distribution of Minor Elements in the Tazlău River Sediments: Source Identification and Evaluation of Ecological Implications. International Journal of Environmental Research and Public Health, vol. 16 (23), p. 1-16.	2.849	4	48.99
11	**Maftei A. E**., Buzgar N., Buzatu A., Apopei A. I. (2019) – Distribution and minor elements contamination in urban and peri-urban soils area of Slănic Moldova, Romania. Carpathian Journal of Earth and Environmental Sciences, 14(2), p. 335-342.	1.307	4	25.86
12	**Maftei A. E.**, Dill H. G., Buzatu A., Iancu O. G., Buzgar N., Andráš P. (2018) – Chemical and mineralogical composition of fluvial sediments (Bistrita River, Romania): Geogenic vs. anthropogenic input into rivers on its way through mining areas. Chemie der Erde, 78(3), p. 385-395.	2.364	6	27.81
13	Dill H. G., Buzatu A., **Maftei A. E.** (2017) – Capturing digital data with handheld devices to determine the redox regime, lithology, and provenance of siliciclastic sediments and residual deposits—a review and field manual. Arabian Journal of Geosciences, 10, p. 188.	0.860	3	25.53
14	Buzatu A., Damian G., Buzgar N., Andráš P., Apopei A. I., **Maftei A. E.**, Milovská S. (2017) – Structural key features of bismuth and Sb-As sulfosalts from hydrothermal deposits—micro-Raman spectrometry. Vibrational Spesctroscopy, 89, p. 49-56.	1.363	7	15.25
15	Buzatu A., Dill H. G., Buzgar N., Damian G., **Maftei A. E.**, Apopei A. I. (2016) – Efflorescent sulfates from Baia Sprie mining area (Romania) – acid mine drainage and climatological approach. Science of the Total Environment, 542, p. 629-641.	4.900	6	53.17
16	**Maftei A. E.**, Iancu O. G., Buzgar N. (2014) – Assessment of minor elements contamination in Bistrița River sediments (upstream of Izvorul Muntelui Lake, Romania) with the implication of mining activity. Journal of Geochemical Exploration, 145, p. 25-34.	3.287	3	74.07
		TOTAL		**671.78**

3. Articole ştiinţifice publicate *in extenso* în reviste indexate BDI (15 puncte / număr autori)

	Articol	***Nr. autori***	***Punctaj***
1	**Maftei A. E.**, Buzatu A., Buzgar N., Apopei A. I. (2018) – Preliminary assessment of anthropogenic contribution and influencing factors of major elements and total organic carbon in Tazlău River sediments, Romania. Romanian Journal of Mineral Deposits, vol. 91, no. 1-2, p. 73-78.	4	3.75
		TOTAL	**3.75**

9. Contracte naționale: director contract național: 50 puncte pentru fiecare 500.000 Ron

1	Contract de finanțare granturi pentru tineri cercetători, nr. 2/3.01.2019, valoare 40.000 Ron	4.00
2	Contract de finanțare UEFISCDI nr. 176/21.10.2019, valoare 11.107 Ron	1.11
	9. Contracte naționale: membru: 50 puncte pentru fiecare 500.000 lei / numărul membrilor echipei de cercetare	
1	Membru în cadrul proiectului TE - PN-III-P1-1.1-TE-2021-0207, valoare 450000 Ron	9.00
	TOTAL	**14.11**

12. Citări şi recenzii ale lucrărilor științifice

- reviste de specialitate din străinătate: (10 + 20 x factor de impact) / număr autori, pentru fiecare citare

Maftei A. E., Iancu O. G., Buzgar N. (2014) – Assessment of minor elements contamination in Bistrița River sediments (upstream of Izvorul Muntelui Lake, Romania) with the implication of mining activity. Journal of Geochemical Exploration, 145, p. 25-34.

	Citari:			
1	Othmani M.A., Souissi F., da Silva E.F., Coynel A. **2015** - Accumulation trends of metal contamination in sediments of the former Pb-Zn mining district of Touiref (NW Tunisia). Journal of African Earth Sciences, 111, 231-243.	1.326	3	12.17
2	Cozma D.G., Cruceanu A., Cojoc G.M., Muntele I., Mihu-Pintilie A. **2015** - The factorial analysis of physico-chemical indicators in Bistrita's upper hydrographical basin. International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, vol I, p. 625-632.	0.000	3	3.33
3	Paiu M., Iancu O.G., Breaban I.G. **2015** - Geochemical distribution of potentially toxic elements from a rehabilitated mine dump and the influence on vegetation. Study case Ostra mining area, Romania. Journal of Environmental Protection and Ecology, 16(4), p. 1431-1439 .	0.734	3	8.23
4	Zhang Y., Zhang H.C. **2015** - Heavy Metal Accumulation in the Sediments of Lake Datun. 2nd Asian Pacific Conference on Energy, Environment and Sustainable Development (APEESD), p. 178-180.	0.000	3	3.33

5	Elyaziji A., Khalil A.,Hakkou R., Benzaazoua M., Alansari A. **2016** - Assessment of Trace Elements in Soils and Mine Water Surrounding a Closed Manganese Mine (Anti Atlas, Morocco). Mine Water and the Environment, 35 (4), pages 486-496.	1.278	3	11.85
6	Panayotova M. **2016** - Mining and mineral processing as heavy metals pollution source (Book Chapter). Heavy Metals: Sources, Toxicity and Remediation Techniques, p. 59-100.	0.000	3	3.33
7	Paiu M., Iancu O.G., Breaban I.G. **2017** -Geochemical distribution of trace elements in an abandoned waste mine dump from Giumalau mountains, Romania.Environmental Engineering and Management Journal, 16(4), pp. 847-857.	1.334	3	12.23
8	Eker C. S., Sipahi F., Ozkan O., Gumus M. K. **2017** - Evaluation of potentially toxic element contents and Pb isotopic compositions in Ankara Stream sediments within an urban catchment in central Turkey. Environmental Earth Sciences, Volume: 76, Issue: 19 .	1.435	3	12.90
9	Tramonte K.M., Figueira R.C.L., Majer A.P., de Lima Ferreira P.A., Batista M.F., Ribeiro A.P., de Mahiques M.M. **2018** - Geochemical behavior, environmental availability, and reconstruction of historical trends of Cu, Pb, and Zn in sediment cores of the Cananéia-Iguape coastal system, Southeastern Brazil. Marine Pollution Bulletin, 127, p. 1-9.	3.782	3	28.55
10	Remor M.B., Sampaio S.C., de Rijk S., Vilas Boas M.A., Gotardo J.T., Pinto E.T., Schardong F.A. **2018** - Sediment geochemistry of the urban Lake Paulo Gorski. International Journal of Sediment Research, Volume: 33, Issue: 4 , Pages: 406-414 .	1.970	3	16.47
11	Breaban, I.G., Breaban, A.I. **2020** - Causes and Effects of Water Pollution in Romania.Springer Water pp. 57-131.	0.000	3	3.33
12	Movahhed M.S., Tabatabaei S.H., Yousefi M. **2020** - Determination of Heavy Metal Pollution in Mineral Areas Using Erosion and Sedimentation Indices. Journal of Mineral Resources Engineering, Volume 5(3), pp. 19-40.	0.000	3	3.33
13	Trottier K. **2022** - Impacts de l'exploitation d'une mine de soufre à ciel ouvert sur l'environnement dans les Montagnes Călimani, Roumanie. Mémoire présenté comme exigence partielle de la maîtrise en Sciences de l'Environnement, Université du Québec à Montréal.	0.000	3	3.33
				122.39
Buzatu A., Dill H., Buzgar N., Damian G., Maftei A., Apopei A. (2016) – Efflorescent sulfates from Baia Sprie mining area (Romania) - Acid mine drainage and climatological approach. Science of the Total Environment, Volume: 542 , Pages: 629-641 , Part: A.				
	Citari:			
1	Tabero P., Frackowiak A. **2016** - Synthesis of Fe8V10W16O85 by a solution method. Journal of thermal analysis and calorimetry, Volume: 125, Issue: 3, Pages: 1445-1451.	1.953	6	8.18

2	Favas P.J.C., Sarkar S.K., Rakshit D., Venkatachalam P., Prasad M.N.V. **2016** - Acid mine drainages from abandoned mines: hydrochemistry, environmental impact, resource recovery, and prevention of pollution (book chapter). Environmental Materials and Waste: Resource recovery and Pollution prevention, p. 413-462.	0.000	6	1.67
3	Prasad M.N.V., Shih K. **2016** - Environmental Materials and Waste: Resource Recovery and Pollution Prevention Elsevier Inc, London, UK.	0.000	6	1.67
4	Pushparaj S.S.C., Jensen N.D., Forano C., Rees G.J., Prevot V., Hanna J.V., Ravnsbæk D.B., Bjerring, M., Nielsen, U.G. **2016** - Structural investigation of Zn(II) insertion in bayerite, an aluminum hydroxide. Inorganic Chemistry, 55(18), p. 9306-9315	4.857	6	17.86
5	Parbhakar-Fox, A., Kemp D., Glen J. **2016** - Metal extraction using bioleaching: an example from the Old Tailings Dam, Tasmania, Australia, Biohydrometallurgy, 20-22 June 2016, Cornwall, United Kingdom, p. 1-14.	0.000	6	1.67
6	Parbhakar-Fox A., Fox N., Jackson L. **2016** - Geometallurgical evaluations of mine waste - an example from the Old Tailings Dam, Savage River, Tasmania, Proceedings of the 3rd AusIMM International Geometallurgy Conference 2016, 15-16 June 2016, Perth, Australia, pp. 193-204. ISBN 9781925100457.	0.000	6	1.67
7	Moyé J., Picard-Lesteven T., Zouhri L., (...), Hibti, M., Benkaddour, A. **2017** - Groundwater assessment and environmental impact in the abandoned mine of Kettara (Morocco). Environmental Pollution, 231, p. 899-907	4.358	6	16.19
8	Hu X., Cai Y., Zhang Y. **2017** - Hydrothermal alteration of arsenopyrite by acidic solutions. Applied Geochemistry, 77, p. 102-115, Special Issue.	3.088	6	11.96
9	Kahlenberg V., Braun D.E, Kruger H., Schmidmair D., Orlova M., **2017**- Temperature- and moisture-dependent studies on alunogen and the crystal structure of meta-alunogen determined from laboratory powder diffraction data. Physics and Chemistry of Minerals, 44, 2, Pages: 95-107	1.679	6	7.26
10	Sun J., Kobayashi T., Strosnider W.H.J., Wu P. **2017** - Stable sulfur and oxygen isotopes as geochemical tracers of sulfate in karst waters. Journal of Hydrology, 551, SI, p. 245-252.	3.727	6	14.09
11	Parbhakar-Fox A., Glen J., Kemp D. **2017** - Extraction of cobalt from historic sulphide tailings using bioleaching, Proceedings of the Ninth Australian Workshop on Acid and Metalliferous Drainage, 20-23 November 2017, Burnie, Tasmania, p. 310-321.	0.000	6	1.67
12	Kosek F., Culka A., Zacek V., Laufek F., Skoda R., Jehlicka J. **2018** - Native alunogen: A Raman spectroscopic study of a well-described specimen. Journal of Molecular Structure, 1157, p.191-200.	2.120	6	8.73
13	Košek F. **2018** - Application of Raman spectroscopy for detection of sulfates of self-ignited coal heaps. Praha, 2018. Dizertační práce. Univerzita Karlova, Přírodovědecká fakulta, Ústav geochemie, mineralogie a nerostných zdrojů. Vedoucí práce Jehlička, Jan.	0.000	6	1.67

14	Parbhakar-Fox A., Glen J., Raimondo B. **2018** - A Geometallurgical Approach to Tailings Management: An Example from the Savage River Fe-Ore Mine, Western Tasmania. Minerals, 8(10).	2.250	6	9.17
15	Likus-Cieslik J., Smolinski A., Pietrzykowski M., Bak A. **2019** - Sulphur contamination impact on seasonal and surface water chemistry on a reforested area of a former sulphur mine. Land Degradation & Development, 30 (2), p. 212-225.	3.775	6	14.25
16	Korda A., Heinrich J., Heide G. **2019** - Basic studies for in-situ leaching project: Leaching of polished and powdered natural ore samples. Proceedings paper - Innovation-Based Development of the Mineral Resources Sector: Challenges and Prospects - 11th conference of the Russian-German Raw Materials, p. 467-481.	0.000	6	1.67
17	Shahhosseini M., Ardejani F.D., Amini M., Ebrahimi L., Poorkani A.M. **2019** - Environmental geochemistry of As and Pb in a copper low-grade dump, Miduk copper mine, Kerman province, SE Iran. Journal of Geochemical Exploration, 198, p. 54-70.	3.352	6	12.84
18	Bortnikova S., Abrosimova N., Yurkevich N., Zvereva V., Devyatova A., Gaskova O., Saeva O., Korneeva T., Shuvaeva O., Pal'chik N., Chernukhin V., Reutsky A. **2019** - Gas Transfer of Metals during the Destruction of Efflorescent Sulfates from the Belovo Plant Sulfide Slag, Russia. Minerals, 9(6).	2.380	6	9.60
19	Zouhri L., El Amari K. Marier D.et al. **2019** - Bacteriological and geochemical features of the groundwater resources: Kettara abandoned mine (Morocco). Environmental Pollution, 252, p. 1698-1708.	6.793	6	24.31
20	Cao H., Chen J., Ling Z. **2019** - Laboratory synthesis and spectroscopic studies of hydrated Al-sulfates relevant to Mars. Icarus, 333, p. 283-293.	3.516	6	13.39
21	Obasi P.N., Akudinobi B.E.B. **2019** - Heavy metals occurrence, assessment and distribution in water resources of the lead–zinc mining areas of Abakaliki, Southeastern Nigeria. International Journal of Environmental Science and Technology, 16 (12), p.8617-8638.	2.540	6	10.13
22	Boujghad A., Bouabdli A., Baghdad B. **2019** - Groundwater quality evaluation in the vicinity of the Draa Sfar Mine in Marrakesh, Morocco. Euro-Mediterranean Journal for Environmental Integration, 4:12.	0.000	6	1.67
23	Biagioni C., Bindi L., Kampf A.R. **2019** - Crystal-chemistry of sulfates from the apuan alps (Tuscany, italy). vii. magnanelliite, k3fe3+2(so4)4 (OH)(H2O)2, a new sulfate from the monte arsiccio mine. Minerals, 9(12).	2.380	6	9.60
24	Mihaiescu D.-C., Vatui A.-G., Valsan S.-N., Stoiciu F., Ghita A.N., Burada M., Ghita M. **2019** - Microscopic investigations of the flotation tailings from Baia Mare Central Pond for highlighting the sulphides. Proceedings Int 2019, 1, 0032-0033.	0.000	6	1.67
25	Dimitrova D., Mladenova V., Hecht L. **2020** - Efflorescent sulfate crystallization on fractured and polished colloform pyrite surfaces: A migration pathway of trace elements. Minerals, 10(1).	2.644	6	10.48

26	Obasi P.N., Akudinobi B.E.B. **2020** - Potential health risk and levels of heavy metals in water resources of lead-zinc mining communities of Abakaliki, southeast Nigeria. Applied Water Science, 10(7).	0.000	6	1.67
27	Ferrazzo S.T., Tímbola R.S., Bragagnolo L., (...), Prietto P.D.M., Ulsen C. **2020** - Effects of acidic attack on chemical, mineralogical, and morphological properties of geomaterials. Environmental Science and Pollution Research, 27(30), p.37718-37732.	4.223	6	15.74
28	Chukanov N.V., Vigasina M.F. **2020** - Raman Spectra of Minerals. In: Vibrational (Infrared and Raman) Spectra of Minerals and Related Compounds. Springer Mineralogy. Springer, Cham.	0.000	6	1.67
29	Kosek F., Culka A., Fornasini L., Vandenabeele P., Rousaki A., Mirao J., Bersani D., Candeias A., Jehlicka J. **2020** - Application of a handheld Raman spectrometer for the screening of colored secondary sulfates in abandoned mining areas-The case of the Sao Domingos Mine (Iberian Pyrite Belt). Journal of Raman Spectroscopy, 51(7), p.	3.133	6	12.11
30	Obasi P.N., Akudinobi B.B. **2020** - Potential health risk and levels of heavy metals in water resources of lead-zinc mining communities of Abakaliki, southeast Nigeria. Applied Water Science, 10(7), 184.	3.874	6	14.58
31	Shahhosseini M., Doulati Ardejani F., Amini M., Ebrahimi L. **2020** - The occurrence of newly formed minerals in acidic environment and dry-arid climate, case study: low-grade dump of Miduk copper mine. Iranian Journal of Crystallography and Mineralogy, 28 (1), pp. 159-170.	0.000	6	1.67
32	Nieva N.E., Garcia M.G., Borgnino L., Borda L.G. **2021** - The role of efflorescent salts associated with sulfide-rich mine wastes in the short-term cycling of arsenic: Insights from XRD, XAS, and µ-XRF studies. Journal of Hazardous Materials, 404.	14.224	6	49.08
33	Ogorodova L.P., Gritsenko Y.D., Vigasina M.F., (...), Ksenofontov D.A., Dedushenko S.K. **2021** - Physicochemical and Calorimetric Study of Aluminocopiapite and Thermodynamic Properties of Copiapite-Group Minerals. Geochemistry International, 59(3), pp. 333-340	0.881	6	4.60
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10	Neishaboori, F.M., Sohrabi, M.R., Motiee, F., Davallo, M. **2023** - Synthesis of Nano-zero-valent Iron/Chitosan based on Bimetallic Nanoparticles for the Simultaneous Removal of Reactive Violet 5 and Reactive Blue 171 from Aquatic Media: Response Surface Methodology. ChemistrySelect, 8(32), e202302549.	2.100	5	10.40
11	Abilaji, S., Narenkumar, J., Das, B., (...), Rajamohan, R., Rajasekar, A. **2023** - Electrochemical oxidation of azo dyes degradation by RuO2–IrO2–TiO2 electrode with biodegradation Aeromonas hydrophila AR1 and its degradation pathway: An integrated approach. Chemosphere, 345, 140516.	8.800	5	37.20
				232.80
		TOTAL		**1690.98**

- **reviste de specialitate din țară: (5 + 10 x factor de impact) / număr autori, pentru fiecare citare**

Maftei A. E., Iancu O. G., Buzgar N. (2014) – Assessment of minor elements contamination in Bistrița River sediments (upstream of Izvorul Muntelui Lake, Romania) with the implication of mining activity. Journal of Geochemical Exploration, 145, p. 25-34.				
	Citari:			
1	Damian G., Iepure G., Jordan G., (...), Galović L., Beres I. **2022** - Assessment of river sediment quality according to the EU water framework directive in mountainous fluvial conditions. A case study in the upper TIsa area, Danube river basin. Carpathian Journal of Earth and Environmental Sciences, 17(2), pp. 441-458.	1.200	3	5.67
2	Florescu G., Briciu A.E., Hutchinson S.M. **2019** - An assessment of in-channel alluvia (aits) in the Suceava River near Suceava city, NE Romania. GEOREVIEW: Scientific Annals of Stefan cel Mare University of Suceava. Geography Series, 2019, Vol. 29, 84-97.	0.000	3	1.67
				7.33
Buzatu A., Dill H., Buzgar N., Damian G., Maftei A., Apopei A. (2016) – Efflorescent sulfates from Baia Sprie mining area (Romania) - Acid mine drainage and climatological approach. Science of the Total Environment, Volume: 542 , Pages: 629-641 , Part: A.				
1	Chicos M.M., Damian G., Stumbea D., Buzgar N.,Ungureanu T., Nica V., Iepure G. **2016** - Mineralogy and geochemistry of the tailings pond from Straja Valley (Suceava County, Romania). Factors affecting the mobility of the elements on the surface of the waste deposit. Carpathian Journal of Earth and Environmental Sciences, Volume: 11(1), Pages: 265-280 .	0.880	6	2.30
				2.30

Maftei A.E., Dill H.G., Buzatu A., Iancu O.G., Buzgar N., Andráš P. (2018) - Chemical and mineralogical composition of fluvial sediments (Bistrita River, Romania): Geogenic vs. anthropogenic input into rivers on its way through mining areas. Chemie der Erde, 78(3), p. 385-395.				
	Citari:			
1	Florescu G., Briciu A.E., Hutchinson S.M. **2019** - An assessment of in-channel alluvia (aits) in the Suceava River near Suceava city, NE Romania. GEOREVIEW: Scientific Annals of Stefan cel Mare University of Suceava. Geography Series, 2019, Vol. 29, 84-97.	0	6	1.67
2	Velusamy, S.G., Kumar, A.W.B.G. **2021** - Granulometric Analysis & Heavy Mineral Provenance Study In The Core Sediments From Thengapattanam Estuary, South West Coast Of India. Carpathian Journal of Earth and Environmental Sciences, 16(2), pp. 437-444.	1.316	6	6.05
3	Damian G., Iepure G., Jordan G., (...), Galović L., Beres I. **2022** - Assessment of river sediment quality according to the EU water framework directive in mountainous fluvial conditions. A case study in the upper TIsa area, Danube river basin. Carpathian Journal of Earth and Environmental Sciences, 17(2), pp. 441-458.	1.200	6	2.83
				10.55
Maftei, A.E., Buzatu A., Buzgar N., Apopei A.I. (2018) - Preliminary assessment of anthropogenic contribution and influencing factors on major elements and Total Organic Carbon in Tazlău river sediments, Romania. Rom. J. Mineral Deposits, 91, vol. 1-2, p. 73-78.				
	Citari:			
1	Florescu G., Briciu A.E., Hutchinson S.M. 2019 - An assessment of in-channel alluvia (aits) in the Suceava River near Suceava city, NE Romania. GEOREVIEW: Scientific Annals of Stefan cel Mare University of Suceava. Geography Series, 2019, Vol. 29, 84-97.	0	4	2.50
				2.50
Maftei A.E., Buzgar N., Buzatu A., Apopei A.I. (2019) - Distribution and minor elements contamination in urban and peri-urban soils area of Slănic Moldova, Romania.Carpathian Journal of Earth and Environmental SciencesVolume 14, Issue 2, Pages 335 - 342.				
	Citari:			
1	Valencia, O.B., Alca, J.J., De Los Ángeles Núñez Alberca, M. **2022** - Incidence of heavy metals in water, soil, alfalfa (medicago sativa l.) and sheep (ovis aries l.) along the Quilca - Vitor - Chili basin in Arequipa, Peru. Carpathian Journal of Earth and Environmental Sciences, 17(1), pp. 21-34.	1.200	4	8.50
				8.50

Maftei A.E., Buzatu A., Buzgar N., Apopei A.I. (2019) - Spatial distribution of minor elements in the tazlău river sediments: Source identification and evaluation of ecological risk. International Journal of Environmental Research and Public Health, Volume 16, Issue 23, Article number 4664.				
	Citari:			
1	Velusamy, S.G., Kumar, A.W.B.G. **2021** - Granulometric Analysis & Heavy Mineral Provenance Study In The Core Sediments From Thengapattanam Estuary, South West Coast Of India. Carpathian Journal of Earth and Environmental Sciences, 16(2), pp. 437-444.	1.316	4	9.08
2	Valencia, O.B., Alca, J.J., De Los Ángeles Núñez Alberca, M. **2022** - Incidence of heavy metals in water, soil, alfalfa (medicago sativa l.) and sheep (ovis aries l.) along the Quilca - Vitor - Chili basin in Arequipa, Peru. Carpathian Journal of Earth and Environmental Sciences, 17(1), pp. 21-34.	1.200	4	8.50
				17.58
Maftei A.E., Buzatu A., Damian G., Buzgar N., Dill H.G., Apopei A.I. (2020) - Micro-Raman—a tool for the heavy mineral analysis of gold placer-type deposits (Pianu Valley, Romania). Minerals, 10 (11) , art. no. 988 , pp. 1-17.				
	Citari:			
1	Velusamy, S.G., Kumar, A.W.B.G. **2021** - Granulometric Analysis & Heavy Mineral Provenance Study In The Core Sediments From Thengapattanam Estuary, South West Coast Of India. Carpathian Journal of Earth and Environmental Sciences, 16(2), pp. 437-444.	1.316	6	6.05
				6.05
Damian G., Buzatu A., Apopei A.I., Damian F., Maftei A.E. (2021) - Hydrothermal sphalerites from ore deposits of Baia Mare area. Minerals, 11 (12) , art. no. 1323				
	Citari:			
1	Damian G., Iepure G., Jordan G., (...), Galović L., Beres I. **2022** - Assessment of river sediment quality according to the EU water framework directive in mountainous fluvial conditions. A case study in the upper TIsa area, Danube river basin. Carpathian Journal of Earth and Environmental Sciences, 17(2), pp. 441-458.	1.200	5	3.40
				3.40
			TOTAL	**58.22**

15. Editor/Membru în Editorial Board & Advisory Board

- reviste cotate Web of Science: **membru**, 20 puncte pentru fiecare revistă

1	Carphatian Journal of Earth and Environmental Sciences, ISSN: 1842-4090.	20.00

	TOTAL	**20.00**

18. Alte premii naționale ale instituțiilor culturale (20 puncte / categorie / număr de persoane)

1	Premiu: PN-III-P1-1.1-PRECISI-**2020**-40968: zona roșie, revista: International Journal of Environmental Research and Public Health. **Autori:** Maftei A. E., Buzatu A., Buzgar N., Apopei A. I.	4	5.00
2	Premiu: PRECISI-**2019**: PN-III-P1-1.1-PRECISI-2019-30018: zona galbenă, revista: Chemie der Erde-Geochemistry. **Autori:** Maftei A. E., Dill H. G., Buzatu A., Iancu O. G., Buzgar N., Andráš P	6	3.33
3	Premiu: PN-III-P1-1.1-PRECISI-**2017**-13615: zona galbenă, revista: Vibrational Spesctroscopy. **Autori:** Buzatu A., Damian G., Buzgar N., Andráš P., Apopei A. I., Maftei A. E., Milovská S.	7	2.86
4	Premiu: PN-III-P1-1.1-PRECISI-**2016**-11725: zona roșie, revista: Science of the Total Environment. **Autori:** Buzatu A., Dill H., Buzgar N., Damian G., Maftei A., Apopei A.	6	3.33
5	Premiu: PN-II-RU-PRECISI-**2014**-8-5988: zona galbenă, revista: Journal of Geochemical Exploration. **Autori:** Maftei A.E., Iancu O.G., Buzgar N.	3	6.67
	TOTAL		**21.19**

19. Participări la manifestări ştiinţifice

- internaţionale: raportor pe secţiuni/paneluri, 10 puncte pentru fiecare activitate

1	**Maftei A. E.**, Iancu O.G., Buzgar N. **2014** – Minor elements contamination study in Bistrița River sediments (upstream of Izvorul Muntelui Lake), Romania. International Symposium "Present Environment and Sustainable Development" Iași.	10.00
2	**Maftei A. E**., Buzatu A., Buzgar N., Apopei A.I. **2018** – Spatial distribution of trace elements in the Tazlău River sediments: source identification and evaluation of ecological implications. The 11th International Symposium on Economic Geology "Mineral resources in the 21st century" 5th - 8th September 2018, Iași.	10.00
3	**Maftei A. E.**, Buzatu A., Buzgar N., Apopei A.I. **2018** – Preliminary assessment of anthropogenic contribution and influencing factors on major elements and total organic carbon in Tazlău River sediments, Romania. he 11th International Symposium on Economic Geology "Mineral resources in the 21st century" 5th - 8th September 2018, Iași, Romania.	10.00
4	Scarlat A.A., Iancu O.G., Coțac V.N., Chelariu C., Buliga I., **Maftei A. E. 2022** – Spatial geochemical distribution of some potentially toxic elements within river bed sediments from Rodna Mountains, Eastern Carpathians, Romania. XXII International Congress of the Carpathian-Balkan Geological Association (CBGA), 7 – 11 September 2022, Agricultural University in Plovdiv, Bulgaria.	10.00

5	Coromelci C., **Maftei A.E.**, Neamțu M., Brînză L. **2022** – Carbonates based nanoparticles synthesis, characterization and their application for wastewater treatment. RCS Chemical Science symposium 2022: Sustainable synthesis and catalysis, 10 – 11 November 2022, London.	10.00
6	**Maftei A.E.**, Coromelci C.G., Ahmed I., Neamțu M., Brînză L. **2022** – Ethylene glycol doped magnetic nanoparticles for persistent pollutants removal. 5th International Conference Emerging Technologies in Material Engineering, 27-28 October 2022, Bucharest, Romania.	10.00
7	**Maftei A.E.**, Coromelci C.G., Neamtu M., Brinza L. **2023** – Organic doped iron oxyhydroxides applications for dyes removal from wastewater. Goldschmidt 2023 Conference, Lyon, 9-14 July 2023, France.	10.00
	TOTAL	**70.00**

- naţionale: raportor pe secţiuni/paneluri, 2 puncte pentru fiecare activitate

1	**Maftei A. E.**, Buzgar N., Buzatu A., Apopei A.I. **2018** – Geochemical and ecological risk studies of some trace elements in soils from urban and peri-urban area of Slănic Moldova, Romania. National Symposium "Mircea Savul" Iași, Romania. Oral presentation.	2.00
2	**Maftei A.E.**, Buzatu A., Buzgar N., Apopei A.I. **2019** – Studiul mineralogic preliminar al depozitelor sedimentare din Valea Pianu, Munții Sebeș, România. Simpozionul științific național "Mircea Savul", Iași, România. Oral presentation.	2.00
3	Apopei A.I., Buzgar N., Buzatu A., **Maftei A.E. 2022** – Digitalizarea colecţiilor de minerale şi roci din cadrul Muzeului de Mineralogie şi Petrografie "Grigore Cobălcescu". Simpozionul științific național cu participare internațională "Mircea Savul", Iași, România. Oral presentation.	2.00
4	**Maftei A.E.**, Coromelci C.G., Ahmed I., Neamțu M., Brînză L. **2022** – Nanoparticule pe bază de oxizi de fier utilizate în tratamentul apelor uzate. Simpozionul științific național cu participare internațională "Mircea Savul", Iași, România. Oral presentation.	2.00
5	**Maftei A.E.**, Coromelci C.G., Brinza L. **2023** – Nanoparticule pe bază de oxihidroxizi de fier aplicate în reținerea Cr (VI) din ape. Simpozionul științific național cu participare internațională "Mircea Savul", Iași, România.	2.00
	TOTAL	**10.00**

- naţionale: membru comitet organizare/consiliu ştiinţific, 5 puncte pentru fiecare activitate

1	Membru comitet organizare - Simpozionul Național cu participare internațională "Mircea Savul", organizat de Departamentul de Geologie al Facultății de Geografie și Geologie, Universitatea „Al. I. Cuza" din Iași, **27 octombrie 2018**.	5.00

2	Membru comitet organizare - Simpozionul Național cu participare internațională "Mircea Savul", organizat de Departamentul de Geologie al Facultății de Geografie și Geologie, Universitatea „Al. I. Cuza" din Iași, **26 octombrie 2019**.	5.00
3	Membru comitet organizare - Simpozionul Național cu participare internațională "Mircea Savul", organizat de Departamentul de Geologie al Facultății de Geografie și Geologie, Universitatea „Al. I. Cuza" din Iași, **29 octombrie 2022**.	5.00
4	Membru comitet organizare - Simpozionul Național cu participare internațională "Mircea Savul", organizat de Departamentul de Geologie al Facultății de Geografie și Geologie, Universitatea „Al. I. Cuza" din Iași, **28 octombrie 2023**.	5.00
	TOTAL	**20.00**

PUNCTAJ TOTAL **2580 puncte**