

ANEXA 1

Fișă de autoevaluare

ACS. Dr. GERBER Ioana Cristina

1. Articole științifice publicate in extenso în reviste cotate Web of Science cu factor de impact				
Mod de calcul: (60 puncte x factor de impact + 25) / numar autori				
Nr.	Articol	Nr. Autori	Factor impact:	Punctaj:
1	Gerber, I.C. , Mihaila, I., Hein, D., Nastuta, A.V., Jijie, R., Pohoata, V., Topala, I., Time Behaviour of Helium Atmospheric Pressure Plasma Jet Electrical and Optical Parameters, Applied Sciences , 7(8), 812, 2017 (DOI:10.3390/app7080812)	7	1.689	18.049
2	Hodoroaba, B., Gerber, I.C. , Ciubotaru, D., Mihaila, I., Dobromir, M., Pohoata, V., Topala, I., Carbon “fluffy” aggregates produced by helium–hydrocarbon high-pressure plasmas as analogues to interstellar dust, Monthly Notices of the Royal Astronomical Society , 481(2), 2841–50, 2018 (DOI:10.1093/mnras/sty2497)	7	5.231	48.409
3	Schmidt, M., Hahn, V., Altrock, B., Gerling, T., Gerber, I.C. , Weltmann, K.-D., von Woedtke, Th., Plasma-Activation of Larger Liquid Volumes by an Inductively-Limited Discharge for Antimicrobial Purposes, Applied Sciences , 9(10), 2150, 2019 (DOI:10.3390/app9102150)	7	2.474	24.777
4	Gerber, I.C. , Mihaila, I., Pohoata, V., Topala, I., Evolution of Electrical and Optical Parameters of a Helium Plasma Jet in Interaction With Liquids, IEEE Transactions on Plasma Science , 49(2), 557-62, 2021 (DOI:10.1109/TPS.2020.3008967)	4	1.368	26.770
5	Leti, L.I., Gerber, I.C. , Mihaila, I., Galan, P.M., Strajeru, S., Petrescu, D.E., Cimpeanu, M.M., Topala, I., Gorgan, D.L., The Modulatory Effects of Non-Thermal Plasma on Seed's Morphology, Germination and Genetics-A Review, Plants , 11(16), 2181, 2022 (DOI:10.3390/plants11162181)	9	4.658	33.831
			Total 1:	151.835

2. Articole științifice publicate in extenso în reviste indexate fără factor de impact				
Mod de calcul: 20 puncte / numar autori				
Nr.	Articol	Nr. Autori		Punctaj:
			Total 2:	0.000

3. Articole științifice publicate in extenso în reviste indexate BDI				
Mod de calcul: 15 puncte / număr autori				
Nr.	Articol	Nr. Autori		Punctaj:
1	Gerber, I.C. , Mihai, C.T., Gorgan, L., Ciorpac, M., Nita, A., Pohoata, V., Mihaila, I., Topala, I., Viability and Cell Biology for HeLa and Vero Cells after Exposure to Low-Temperature Air Dielectric Barrier Discharge Plasma, Plasma Medicine , 7(2), 159-73, 2017 (DOI:10.1615/PlasmaMed.2017019487)	8		1.875
2	Gerber, I.C. , Chipper, A., Pohoata, V., Mihaila, I., Topala, I., Comparative study of 3.4 micron band features from carbon dust analogues obtained in pulsed plasmas, Proceedings of the International Astronomical Union , 15(S350), 237–40, 2020 (DOI:10.1017/S174392131900749X)	5		3.000
			Total 3:	4.875

4. Articole științifice publicate in extenso in volumele conferintelor				
Mod de calcul: indexate ISI: 30 puncte / număr autori alte categorii: 5 puncte / număr autori				
Nr.	Articol	Nr. Autori		Punctaj:
			Total 4:	0.000

5. Cărți științifice publicate (doar prima ediție)				
Mod de calcul: edituri academice internaționale: 100 puncte la 100 pagini / număr autori Mod de calcul: alte edituri internaționale: 70 puncte la 100 pagini / număr autori Mod de calcul: edituri academice naționale: 50 puncte la 100 pagini / număr autori Mod de calcul: alte edituri naționale: 20 puncte la 100 pagini / număr autori				
Nr.	Carte	Nr. Autori	Editura	Punctaj:
			Total 5:	0.000

6. Cărți științifice traduse și publicate în edituri din străinătate				
Mod de calcul: 100 puncte la 100 pagini / număr autori				
Nr.	Carte	Nr. Autori	Nr. Pagini	Punctaj:
			Total 6:	0.000

7. Coordonarea și editarea de volume, traduceri și antologii				
Mod de calcul: edituri academice internaționale: 60 puncte / număr autori Mod de calcul: alte edituri internaționale: 40 puncte / număr autori Mod de calcul: edituri academice naționale: 30 puncte / număr autori Mod de calcul: alte edituri naționale: 15 puncte / număr autori				
Nr.	Carte	Nr. Autori	Editura	Punctaj:
			Total 7:	0.000

8. Articole publicate în dicționare și enciclopedii				
Mod de calcul: edituri academice internaționale: 30 puncte / număr autori Mod de calcul: alte edituri internaționale: 20 puncte / număr autori Mod de calcul: edituri academice naționale: 15 puncte / număr autori Mod de calcul: alte edituri naționale: 5 puncte / număr autori				
Nr.	Carte	Nr. Autori	Editura	Punctaj:
			Total 8:	0.000

9. Contracte de cercetare științifică în institutii academice (universitati, institute ale Academiei Romane, institute nationale de cercetare, institute de cercetare din strainatate, alte categorii de institute academice)				
Mod de calcul: contracte internationale - director: 100 puncte pentru fiecare 100.000 Euro Mod de calcul: contracte internationale - membru: 100 puncte pentru fiecare 100.000 Euro / numarul de membri ai echipei de cercetare Mod de calcul: contracte nationale - director: 50 puncte pentru fiecare 500.000 lei Mod de calcul: contracte nationale - membru: 50 puncte pentru fiecare 500.000 lei / numarul de membri				
Nr.	Contract	Statut	Buget	Punctaj:
1	Cod ROSA STAR_C3-2016_CDI 486: Sinteza analogilor de praf interstelar folosind metode cu plasmă (2017-2018)	membru	600000	8.571
2	ID: PN-III-P4-ID-PCE-2016-0355: Instabilități electrostatice în plasmă magnetizate și nemagnetizate de temperatură joasă (INSTAPLAS) 2019	membru	775700	9.696
			Total 9:	18.268

10. Contracte de cercetare în mediul de afaceri și sectorul public				
Mod de calcul: organizații internaționale: 100 puncte pentru fiecare 100.000 Euro Mod de calcul: firme multinaționale: 100 puncte pentru fiecare 100.000 Euro Mod de calcul: firme naționale: 50 puncte pentru fiecare 500.000 Euro Mod de calcul: organizații administrative naționale: 40 puncte pentru fiecare 500.000 Euro Mod de calcul: alte organizații publice de nivel național: 30 puncte pentru fiecare 500.000 Euro				
Nr.	Contract	Organizație	Buget	Punctaj:
			Total 10:	0.000

11. Brevete				
Mod de calcul: internațional: 100 puncte / număr de autori Mod de calcul: național: 30 puncte / număr autori				
Nr.	Contract	Organizație	Buget	Punctaj:
			Total 10:	0.000

12. Citari și recenzii ale lucrărilor științifice				
Mod de calcul reviste de specialitate din străinătate: (10 + 20 x factor de impact) / număr autori, pentru fiecare citare Mod de calcul: reviste de specialitate din țară: (5 + 10 x factor de impact) / număr autori, pentru fiecare citare Mod de calcul monografii academice din străinătate: 50 puncte / număr autori, pentru fiecare citare Mod de calcul: monografii academice din țară: 25 puncte / număr autori, pentru fiecare citare				

Nr.	Articol	Nr. Autori	Factor impact:	Punctaj:
	Lucrarea: Time Behaviour of Helium Atmospheric Pressure Plasma Jet Electrical and Optical Parameters, Applied Sciences, 7(8), 812, 2017 (DOI:10.3390/app7080812) Autorii: Ioana Cristina Gerber, Ilarion Mihaila, Dennis Hein, Andrei Vasile Nastuta, Roxana Jijie, Valentin Pohoata, Ionut Topala CITAT IN:	7		
1	Zhu P, Li B, Duan Z, et al., Development from dielectric barrier discharge to atmospheric pressure plasma jet in helium: experiment and fluid modeling, JOURNAL OF PHYSICS D-APPLIED PHYSICS, 51(40), 405202, 2018	int	2.829	9.511
2	Gidon D, Graves DB, Mesbah A, Spatial thermal dose delivery in atmospheric pressure plasma jets, PLASMA SOURCES SCIENCE & TECHNOLOGY, 28(2), 025006, 2019	int	3.193	10.551
3	Schveigert IV, Vagapov S, Lin H, et al., Enhancement of atmospheric plasma jet–target interaction with an external ring electrode. JOURNAL OF PHYSICS D-APPLIED PHYSICS, 52(29), 295201, 2019	int	3.169	10.483
5	Gidon D, Graves DB, Mesbah A. Predictive control of 2D spatial thermal dose delivery in atmospheric pressure plasma jets. PLASMA SOURCES SCIENCE & TECHNOLOGY, 28(8), 085001, 2019	int	3.193	10.551
4	Gidon D, Pei X, Bonzanini AD, Graves DB, Mesbah A, Machine learning for real-time diagnostics of cold atmospheric plasma sources, IEEE TRANSACTIONS ON RADIATION AND PLASMA MEDICAL SCIENCES, 3(5), 597-605, 2019	int	0.000	1.429
4	Liu J, Chen D, Mo Y, Rong y, Electrical and optical characteristics of atmospheric helium jet array plasma, PLASMA SCIENCE AND TECHNOLOGY, 21(11), 115404, 2019	int	1.358	5.309
6	Ananth A, Han I, Akter M, Boo J-H, Choi EH, Handy Soft Jet Plasma as an Effective Technique for Tailored Preparation of ZnS Nanomaterials and Shape Dependent Antibacterial Performance of ZnS, JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, 90, 389–98, 2020	int	6.064	18.754
7	Vinoth Kumar SHB, Muydinov R, Szyszka B, Plasma Assisted Reduction of Graphene Oxide Films, NANOMATERIALS, 11(2), 1-37, 2021	int	5.719	17.769

8	Gidon D, Abbas HS, Bonzanini AD, Graves DB, Mohammadpour Velni J, Mesbah A, Data-driven LPV model predictive control of a cold atmospheric plasma jet for biomaterials processing, CONTROL ENGINEERING PRACTICE, 109, 104725, 2021	int	4.057	13.020
9	Huzum R, Nastuta AV, Helium Atmospheric Pressure Plasma Jet Source Treatment of White Grapes Juice for Winemaking, APPLIED SCIENCES, 11(18), 8498, 2021	int	2.838	9.537
10	Nastuta AV, Gerling T, Cold Atmospheric Pressure Plasma Jet Operated in Ar and He: From Basic Plasma Properties to Vacuum Ultraviolet, Electric Field and Safety Thresholds Measurements in Plasma Medicine, APPLIED SCIENCES, 12(2), 644, 2022	int	2.838	9.537
11	Al-Rawaf AF, Maan SH, Shuker AS, Fuliful FK, The Impact of the Tube Diameter of Non-Thermal Atmospheric Pressure Plasma Jet for Producing Reactive Species, AIP CONFERENCE PROCEEDINGS, 2414, 030004, 2023	int	0.000	1.429
			Subtotal:	117.880

<i>Nr.</i>	<i>Articol</i>	<i>Nr. Autori</i>	<i>Factor impact:</i>	<i>Punctaj:</i>
	Lucrarea: Carbon “fluffy” aggregates produced by helium– hydrocarbon high-pressure plasmas as analogues to interstellar dust, Monthly Notices of the Royal Astronomical Society, 481(2), 2841–50, 2018 (DOI:10.1093/mnras/sty2497) Autorii: Bianca Hodoroaba, Ioana Cristina Gerber , Delia Ciubotaru, Ilarion Mihaila, Marius Dobromir, Valentin Pohoata, Ionut Topala CITAT IN:	7		
1	Lazarou C, Chipier AS, Anastassiou C, Topala I, Mihaila I, Pohoata V, Gheorghiu GE, Numerical simulation of the effect of water admixtures on the evolution of a helium/dry air discharge, JOURNAL OF PHYSICS D-APPLIED PHYSICS, 51(19), 195203, 2019	int	3.169	10.483
2	Sciamma-O'Brien E, Salama F, Characterization of Cosmic Grain Analogs Formed at Low Temperature from Small Hydrocarbon Precursors in the NASA Ames COSmIC Facility, ASTROPHYSICAL JOURNAL, 905(1), 45, 2020	int	5.877	18.220
3	Herrero VJ, Jimenez-Redondo M, Pelaez R, Mate B, Tanarro I, Structure and evolution of interstellar carbonaceous dust. Insights from the laboratory, FRONTIERS IN ASTRONOMY AND SPACE SCIENCES, 9, 1083288, 2022	int	4.055	13.014
			Subtotal:	41.717

<i>Nr.</i>	<i>Articol</i>	<i>Nr. Autori</i>	<i>Factor impact:</i>	<i>Punctaj:</i>
	Lucrarea: Plasma-Activation of Larger Liquid Volumes by an Inductively-Limited Discharge for Antimicrobial Purposes, Applied Sciences, 9(10), 2150, 2019 (DOI:10.3390/app9102150) Autorii: Michael Schmidt, Veronika Hahn, Bebe Altrock, Torsten Gerling, Ioana Cristina Gerber , Klaus-Dieter Weltmann, Thomas von Woedtke CITAT IN:	7		
1	Gamaleev V, Iwata N, Hori M, Hiramatsu M, Ito M, Direct Treatment of Liquids Using Low-Current Arc in Ambient Air for Biomedical Applications, APPLIED SCIENCES, 9(17), 3505, 2019	int	2.474	8.497

2	Gamaleev V, Britun N, Hori M, Control and Stabilization of Centimeter Scale Glow Discharge in Ambient Air Using Pulse-Width Modulation. IEEE ACCESS, 8, 201486–97, 2020	int	3.367	11.049
3	Gamaleev V, Iwata N, Ito G, Hori M, Hiramatsu M, Ito M, Scalable Treatment of Flowing Organic Liquids Using Ambient-Air Glow Discharge for Agricultural Applications. APPLIED SCIENCES, 10(3), 801, 2020	int	2.679	9.083
4	Konchekov EM, Gusein NG, Kolik LV, Artem'ev KV, Pulish AV, Using of direct piezo-discharge in generation of plasma-activated liquid media, IOP CONFERENCE SERIES: MATERIALS SCIENCE AND ENGINEERING, 898(1), 012037, 2020	int	0.000	1.429
5	El Shaer M, Eldaly M, Heikal G, Sharaf Y, Diab H, Mobasher M, Rousseau A, Antibiotics degradation and bacteria inactivation in water by cold atmospheric plasma discharges above and below water surface, PLASMA CHEMISTRY AND PLASMA PROCESSING, 40(4), 971–83, 2020	int	3.148	10.423
6	Chen Z, Xu R-G, Chen P, Wang Q, Potential Agricultural and Biomedical Applications of Cold Atmospheric Plasma-Activated Liquids With Self-Organized Patterns Formed at the Interface, IEEE TRANSACTIONS ON PLASMA SCIENCE, 48(10), 3455–71, 2020	int	1.222	4.920
7	Piskarev IM, Ivanova IP, Comparison of chemistry induced by direct and indirect plasma treatment of water to the effect of UV radiation, PLASMA CHEMISTRY AND PLASMA PROCESSING, 41(1), 447-75, 2021	int	3.337	10.963
8	Freund E, Miebach L, Clemen R, Schmidt M, Heidecke A, von Woedtke Th, Weltmann K-D, Kersting S, Bekeschus S, Large volume spark discharge and plasma jet-technology for generating plasma-oxidized saline targeting colon cancer in vitro and in vivo, JOURNAL OF APPLIED PHYSICS, 129(5), 053301, 2021	int	2.877	9.649
9	Ganesh Subramanian PS, Ananthanarasimhan J, Leelesh P, Rao H, Shivapuji AM, Girard-Lauriault PL, Rao L, Plasma-activated water from DBD as a source of nitrogen for agriculture: Specific energy and stability studies, JOURNAL OF APPLIED PHYSICS, 129(9), 093303, 2021	int	2.877	9.649
10	Kutasi K, Krstulovic N, Jurov A, Salamon K, Popovic D, Milosevic S, Controlling: the composition of plasma-activated water by Cu ions, PLASMA SOURCES SCIENCE & TECHNOLOGY, 30(4), 045015, 2021	int	4.124	13.211
11	Chiappim W, Sampaio AD, Miranda F, Fraga M, Petraconi G, da Silva Sobrinho A, Kostov K, Koga-Ito C, Pessoa R, Antimicrobial Effect of Plasma-Activated Tap Water on Staphylococcus aureus, Escherichia coli, and Candida albicans, WATER, 13(11), 1480, 2021	int	3.530	11.514
12	Scholtz V, Vankova E, Kasparova P, Premanath R, Karunasagar I, Julak J, Non-thermal Plasma Treatment of ESKAPE Pathogens: A Review, FRONTIERS IN MICROBIOLOGY, 12, 737635, 2021	int	6.064	18.754
13	Freund E, Bekeschus S, Gas Plasma-Oxidized Liquids for Cancer Treatment: Preclinical Relevance, Immuno-Oncology, and Clinical Obstacles, IEEE TRANSACTIONS ON RADIATION AND PLASMA MEDICAL SCIENCES, 5(6), 761-74, 2021	int	0.000	1.429
14	Hadinoto K, Astorga JB, Masood H, Zhou R, Alam D, Cullen PJ, Prescott S, Trujillo FJ, Efficacy optimization of plasma-activated water for food sanitization through two reactor design configurations, INNOVATIVE FOOD SCIENCE & EMERGING TECHNOLOGIES, 74, 102867, 2021	int	7.104	21.726
15	Kutasi K, Tombacz E, Efficient trapping of RONS in gelatin and physiological solutions, PLASMA PROCESSES AND POLYMERS, 19(2), 2100077, 2021	int	3.877	12.506
16	Rothwell JG, Alam D, Carter DA, Soltani B, McConchie R, Zhou R, Cullen PJ, Mai-Prochnow A, The antimicrobial efficacy of plasma-activated water against Listeria and E. coli is modulated by reactor design and water	int	4.059	13.026

	composition, JOURNAL OF APPLIED MICROBIOLOGY, 132(4), 2490-500, 2022			
17	Man C, Zhang C, Fang H, Zhou R, Huang B, Xu Y, Zhang X, Shao T, Nanosecond-pulsed microbubble plasma reactor for plasma-activated water generation and bacterial inactivation, PLASMA PROCESSES AND POLYMERS, 19(6), 2200004, 2022	int	3.877	12.506
18	Hahn V, Mikolasch A, Schmidt M, Neuburger JE, von Langermann J, Lalk M, Weltmann KD, von Woedtke T, Kolb J, Hydroxylation and dimerization of para-dihydroxylated aromatic compounds mediated by cold atmospheric-pressure plasma in comparison with chemically catalyzed reactions, GREEN CHEMISTRY, 24(20), 7951-67, 2022	int	11.034	32.954
19	Sampaio AG, Chiappim W, Milhan NVM, Botan Neto B, Pessoa R, Koga-Ito CY, Effect of the pH on the Antibacterial Potential and Cytotoxicity of Different Plasma-Activated Liquids, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 23(22), 13893, 2022	int	6.208	19.166
20	Bekeschus S, Clemen R, Plasma, cancer, immunity, JOURNAL OF PHYSICS D-APPLIED PHYSICS, 55(47), 473003, 2022	int	3.409	11.169
21	Ozdemir MA, Ozdemir GD, Gul M, Guren O, Ercan UK, Machine learning to predict the antimicrobial activity of cold atmospheric plasma-activated liquids, MACHINE LEARNING: SCIENCE AND TECHNOLOGY, 4(1), 015030, 2023	int	6.013	18.609
22	Sahun M, Privat-Maldonado A, Lin A, De Roeck N, Van der Heyden L, Hillen M, Michiels J, Steenackers G, Smits E, Arien KK, Jorens PG, Delputte P, Inactivation of SARS-CoV-2 and Other Enveloped and Non-Enveloped Viruses with Non-Thermal Plasma for Hospital Disinfection, ACS SUSTAINABLE CHEMISTRY & ENGINEERING, 11(13), 5206-15, 2023	int	9.224	27.783
23	Bussmann F, Kruger A, Scholz C, Brust H, Stohr C, Long-Term Effects of Cold Atmospheric Plasma-Treated Water on the Antioxidative System of Hordeum vulgare, JOURNAL OF PLANT GROWTH REGULATION, 42(5), 3274-90, 2023	int	4.64	14.686
			Subtotal:	304.697

Nr.	Articol	Nr. Autori	Factor impact:	Punctaj:
	Lucrarea: Evolution of Electrical and Optical Parameters of a Helium Plasma Jet in Interaction With Liquids, IEEE Transactions on Plasma Science, 49(2), 557-62, 2021 (DOI:10.1109/TPS.2020.3008967) Autorii: Ioana Cristina Gerber, Ilarion Mihaila, Valentin Pohoata, Topala Ionut CITAT IN:	4		
1	Gazeli K, Svarnas P, Lazarou C, Anastassiou C, Georghiou GE, Papadopoulos PK, Clement F, Physical interpretation of a pulsed atmospheric pressure plasma jet following parametric study of the UV-to-NIR emission, PHYSICS OF PLASMAS, 27(12), 123503, 2020	int	2.023	12.615
2	Neretti G, Popoli A, Scaltriti SG, Cristofolini A, Real Time Power Control in a High Voltage Power Supply for Dielectric Barrier Discharge Reactors: Implementation Strategy and Load Thermal Analysis, ELECTRONICS, 11(10), 1536, 2022	int	2.690	15.950
3	Melo TF, Rocha LC, Silva RP, Pessoa RS, Negreiros AMP, Sales Junior R, Tavares MB, Alves Junior C, Plasma-Saline Water Interaction: A Systematic Review, MATERIALS, 15(14), 4854, 2022	int	3.748	21.240
			Subtotal:	49.805

Nr.	Articol	Nr. Autori	Factor impact:	Punctaj:
	Lucrarea: The Modulatory Effects of Non-Thermal Plasma on Seed's Morphology, Germination and Genetics-A Review, Plants, 11(16), 2181, 2022 (DOI:10.3390/plants11162181) Autorii: Livia Ioana Leti, Ioana Cristina Gerber , Ilarion Mihaila, Paula Maria Galan, Silvia Strajeru, Denisa Elena Strajeru, Mirela Mihaela Cimpeanu, Topala Ionut, Dragos Lucian Gorgan CITAT IN:	9		
1	Burducea I, Burducea C, Mereuta PE, Sirbu SR, Iancu DA, Istrati MB, Straticiu M, Lungoci C, Stoleru V, Teliban GC, Robu T, Burducea M, Helium Atmospheric Pressure Plasma Jet Effects on Two Cultivars of Triticum aestivum L., FOODS, 12(1), 208, 2023	int	5.561	13.469
2	Padureanu S, Burlica R, Stoleru V, Beniuga O, Dirlau D, Cretu DE, Astanei D, Patras A, Non-Thermal Plasma-Activated Water: A Cytogenotoxic Potential on Triticum aestivum, AGRONOMY, 13(2), 459, 2023	int	3.949	9.887
3	Florescu I, Rdu I, Teodoru A, Gurau L, Chireceanu C, Bilea F, Magureanu M, Positive Effect Induced by Plasma Treatment of Seeds on the Agricultural Performance of Sunflower, PLANTS, 12(4), 794, 2023	int	4.658	11.462
4	Sera B, Jiresova J, Scholtz V, Julak J, Khun J, Non-Thermal Plasma Treatment Improves Properties of Dormant Seeds of Black Locust (Robinia pseudoacacia L.), FORESTS, 14(3), 471, 2023	int	3.282	8.404
			Subtotal:	43.222

Nr.	Articol	Nr. Autori	Factor impact:	Punctaj:
	Lucrarea: Viability and Cell Biology for HeLa and Vero Cells after Exposure to Low-Temperature Air Dielectric Barrier Discharge Plasma, Plasma Medicine, 7(2), 159-73, 2017 (DOI:10.1615/PlasmaMed.2017019487) Autorii: Ioana Cristina Gerber , Cosmin Teodor Mihai, Lucian Gorgan, Mitica Ciorpac, Alexandru Nita, Valentin Pohoata, Ilarion Mihaila, Topala Ionut CITAT IN:	8		
1	Kawasaki T, Nishida K, Uchida G, Mitsugi F, Takenaka K, Koga K, Setsuhara Y, Shiratani M, Effects of surrounding gas on plasma-induced downward liquid flow, JAPANESE JOURNAL OF APPLIED PHYSICS, 59(SH), SHHF02, 2020	int	1.480	4.950
2	Raud S, Raud J, Jõgi I, Piller CT, Plank T, Talviste R, Teesalu T, Vasar E, The Production of Plasma Activated Water in Controlled Ambient Gases and its Impact on Cancer Cell Viability, PLASMA CHEMISTRY AND PLASMA PROCESSING, 41(5), 1381-1395, 2021	int	3.337	9.593
3	Gautam S, Morra G, Pre-breakdown to stable phase and origin of multiple current pulses in argon dielectric barrier discharge, PLASMA SCIENCE & TECHNOLOGY, 23(12), 125403, 2021	int	1.842	5.855
4	Caba B, Gardikiotis I, Topala I, Mihaila I, Mihai CT, Luca C, Pasca S, Caba IC, Dimitriu G, Huzum B, Serban IL, Cold Atmospheric Plasma, Platelet-Rich Plasma, and Nitric Oxide Synthesis Inhibitor: Effects Investigation on an Experimental Model on Rats, APPLIED SCIENCES, 12(2), 590, 2022	int	2.838	8.345
5	Caba B, Dobrin ME, Caba IC, Gardikiotis I, Mihai CT, Cioroiu B, Serban LI, FARMACIA, 70(1), 23-9, 2022	int	1.550	5.125

6	Mihai CT, Mihaila I, Pasare MA, Pintillie RM, Ciorpacc M, Topala I, Cold Atmospheric Plasma-Activated Media Improve Paclitaxel Efficacy on Breast Cancer Cells in a Combined Treatment Model, CURRENT ISSUES IN MOLECULAR BIOLOGY, 44(5), 1995-2014, 2022	int	2.976	8.690
7	Trimukhe AM, Pandiyaraj KN, Patekar M, Miller V, Deshmukh RR, Perspectives and Advances of Nonthermal Plasma Technology in Cancers, IEEE TRANSACTIONS ON PLASMA SCIENCE, 50(8), 2489-515, 2022	int	1.368	4.670
			Subtotal:	47.228

13. Lucrări susținute în calitate de invitat la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru)				
Mod de calcul: străinătate: 25 puncte pentru fiecare activitate				
Mod de calcul: țară: 10 puncte pentru fiecare activitate				
Nr.	Articol	str/țară		Punctaj:
			Total 13:	0.000

14. Profesor/cercetător invitat la universități/institute de cercetare				
Mod de calcul: străinătate: 25 puncte pentru fiecare activitate				
Mod de calcul: țară: 10 puncte pentru fiecare activitate				
	Nume institutie	str/țară		Punctaj
			Total 14:	0.000

15. Editor/Membru în Editorial Board & Advisory Board				
Mod de calcul: reviste cotate Web of Science: editor, 30 puncte pentru fiecare revistă; membru, 20 puncte pentru fiecare revistă				
Mod de calcul: reviste internaționale și alte reviste ale Universității: editor, 15 puncte pentru fiecare revistă; membru, 10 puncte pentru fiecare revistă				
	Revista	ISI/alte	Statut	Punctaj
			Total 15:	0.000

16. Premii internaționale obținute printr-un proces de selecție				
Mod de calcul: 100 puncte / categorie / număr persoane				
	Premiu			Punctaj
1	Premiul I - Best Oral Presentation, CPPA 2019, XVIIIth International Conference on Plasma Physics and Application, 20–22 Junie 2019, Iași, Romania Gerber IC, Mihaila I, Soroaga LV, Chipper AS, Pohoata V, Topala I, Interstellar carbonaceous dust analogs obtained in plasma. Morphology and chemical characterization			16.667
			Total 16:	16.667

17. Premii ale Academiei Române		
Mod de calcul: 50 puncte / categorie / număr persoane		
	Premiu	Punctaj
	Total 17:	0.000

18. Alte premii naționale ale instituțiilor culturale		
Mod de calcul: 20 puncte / categorie / număr persoane		
		Punctaj
1	Premiul I, Conferința Națională Fizica și Tehnologiile Educaționale Moderne FTEM Mai 2016, Iași Gerber IC, Topala I. Optical investigation of a helium based atmospheric pressure plasma jet	10.000
	Total 18:	10.000

19. Participari la manifestari stiintifice				
Mod de calcul: internaționale: președinte comitet organizare/consiliu științific, 25 puncte pentru fiecare activitate; membru comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; moderator de panel, 15 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 10 puncte pentru fiecare activitate Mod de calcul: naționale: președinte comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; membru comitet organizare/consiliu științific, 5 puncte pentru fiecare activitate; moderator de panel, 5 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 2 puncte pentru fiecare activitate				
Nr.	Conferinta	Statut	int/nat	Punctaj:
1	Gerber, I.C. , Grigoriu, A., Topala, I., Study of the effects of electrical current at the atmospheric pressure plasma jet – biological tissue interface, A XLIII-a Conferința Nationala de Fizica și Tehnologiile Educaționale Moderne (FTEM), May 16-17, 2014, Iași, Romania (poster) (https://fitem.faculty.ro/)	raportor	nat	2.000
2	Gerber, I.C. , Rusu, G.B., Topala, I., Biomolecule films etching by low pressure plasma exposure, A XLIV-a Conferința Nationala de Fizica și Tehnologiile Educaționale Moderne (FTEM), 16 Mai 2015, Iași, Romania (poster) (https://fitem.faculty.ro/)	raportor	nat	2.000
3	Gerber, I.C. , Topala, I., Optical investigation of a helium based atmospheric pressure plasma jet, A XLV-a Conferința Nationala de Fizica și Tehnologiile Educaționale Moderne (FTEM), 14 Mai 2016, Iași, Romania (poster) (https://fitem.faculty.ro/)	raportor	nat	2.000
4	Gerber, I.C. , Mihaila, I., Topala, I., Electrical Characterization of a Helium-Operated Atmospheric Pressure Plasma Jet, Conferinta Nationala de Fizica Aplicata, 26-27 Noiembrie 2016, Iasi, Romania (poster)	raportor	nat	2.000
5	Gerber, C. , Mihai, C.T., Gorgan, G., Ciorpac, M., Nita, A., Pohoata, V., Mihaila, I., Topala, I., Viability and cell biology for HeLa and VERO cells after exposure to low temperature air DBD plasma, 6th International Conference on Plasma Medicine (ICPM6), 4-9 Septembrie 2016, Bratislava, Slovakia (oral) (http://enviro.fmph.uniba.sk/icpm6/)	raportor	int	10.000

6	Topala, I., Gerber, C. , Hein, D., Nastuta, A.V., Jijie, R., Pohoata, V., Mihaila, I., Mihai, C.T., Gorgan, L., Atmospheric pressure plasma jets for life science, 23rd Europhysics Conference on Atomic and Molecular Physics of Ionized Gases, 12-16 July, 2016, Bratislava, Slovakia (oral) (http://www.escampig2016.org/)	raportor	int	10.000
7	Topala, I., Mihaila, I., Ciubotaru, D., Gerber, I.C. , Pohoata, V., Barrier Discharge Based Atmospheric Pressure Plasma Jets: Settling Dynamics and Reactive Species Transfer to Solutions, The 5th International Workshop & 4th International Mini Workshop on Solution Plasma and Molecular Technologies, 25-29 Iunie 2017, Greifswald, Germany	raportor	int	10.000
8	Nita, A., Mihai, C., Topala, I., Gerber, C. , Stache, B., Paviliuc, R., Savin, M.S., Gorgan, D.L., Evaluation of cytotoxicity and genotoxicity of cold plasma on in vitro cell models, Sesiunea de Comunicari Stiintifice Ecologia si Protectia Ecosistemelor, Ediția a XII-a, 2 – 4 Noiembrie 2017, Bacau, Romania (https://epe.ub.ro/)	raportor	nat	2.000
9	Mihai, C.T., Ciubotaru, D., Gerber, C. , Mihaila, I., Topală, I., Evaluarea potențialului antitumoral al plasmăi reci produsă la presiune atmosferică, Zilele Medicamentului, Ed. a XXVI-a, 29-31 Martie 2018, Iasi, Romania (oral) (https://iasi.colegfarm.ro/noutati/Simpozionul-National---Zilele-Medicamentului---Editia-a-XXVI-a-Iasi-29---31-Martie-2018_)	raportor	nat	2.000
10	Gerber, I.C. , Ciubotaru, D., Hodoroaba, B., Chipier, A.S., Pohoata, V., Mihaila, I., Topala, I., Morphological characterization of interstellar dust analogs obtained in plasma, European Week of Astronomy and Space Science, 3-6 Aprilie 2018, Liverpool, Marea Britanie (poster) (https://eas.unige.ch/EWASS2018/)	raportor	int	10.000
11	Hodoroaba, B., Ciubotaru, D., Gerber, I.C. , Chipier, A.S., Pohoata, V., Mihaila, I., Topala, I., Diagnostics of He-C3H8 plasmas during the synthesis of interstellar carbon dust analogs, European Week of Astronomy and Space Science, 3-6 Aprilie 2018, Liverpool, Marea Britanie (poster) (https://eas.unige.ch/EWASS2018/)	raportor	int	10.000
12	Gerber, I.C. , Mihai, C.T., Gorgan, L., Ciorpac, M., Nita, A., Pohoata, V., Mihaila, I., Topala, I., Air dielectric barrier discharge plasma sources for in vitro cancer studies, 5th International Workshop on Plasma for Cancer Treatment, 20-21 Martie 2018, Greifswald, Germania (poster) (https://www.inp-greifswald.de/de/aktuelles/veranstaltungen/vergangene/iwpct-2018/)	raportor	int	10.000
13	Ciubotaru, D., Gerber, I.C. , Mihaila, I., Topala, I., Investigations of a helium plasma jet in interaction with biological liquids, 5th International Workshop on Plasma for Cancer Treatment, 20-21 Martie 2018, Greifswald, Germania (poster) (https://www.inp-greifswald.de/de/aktuelles/veranstaltungen/vergangene/iwpct-2018/)	raportor	int	10.000
14	Gerber, I.C. , Hodoroaba, B., Ciubotaru, D., Chipier, A.S., Pohoata, V., Mihaila, I., Topala, I., Interstellar carbon Dust Analogs Obtained Using Plasma Based Processes, Our Astro-Chemical History: Past, Present, and Future, 10-14 Septembrie 2018, Assen, Olanda (oral) (https://www.cost.eu/actions/CM1401/)	raportor	int	10.000
15	Gerber, I.C. , Hodoroaba, B., Ciubotaru, D., Chipier, A.S., Pohoata, V., Mihaila, I., Topala, I., Synthesis of Interstellar Carbon Dust Analogs using Plasma Based Processes, TIM 18 Physics Conference - Conferinta Doctoranzilor, 24-26 Mai 2018, Timisoara, Romania (oral) (https://timconference.uvt.ro/)	raportor	nat	2.000
16	Gerber, I.C. , Chipier, A., Pohoata, V., Mihaila, I., Topala, I., Comparative study of 3.4 micron band features from carbon dust analogs obtained in pulsed plasmas at low and atmospheric pressure, IAU S350, 14-19 Aprilie 2019, Cambridge, Marea Britanie (oral) (http://www.astrochemistry.org.uk/IAU_S350)	raportor	int	10.000

17	Gerber, I.C. , Chiper, A.S., Mihaila, I., Pohoata, V., Topala, I., Plasma synthesis of interstellar dust analogs, TIM 19 Physics Conference, 27-29 Mai 2019, Timisoara, Romania (oral) (https://timconference.uvt.ro/)	raportor	int	10.000
18	Gerber, I.C. , Mihaila, I., Soroaga, L.V., Chiper, A.S., Pohoata, V., Topala, I., Interstellar carbonaceous dust analogs obtained in plasma. Morphology and chemical characterization, CPPA 2019, XVIIIth International Conference on Plasma Physics and Applications, 20-22 Iunie 2019, Iași, Romania (oral) (https://www.plasma.uaic.ro/cppa/cppa2019/)	raportor	int	10.000
19	Mihai, C.T., Mihaila, I., Gerber, I.C. , Gherghel, D., Vochita, G., Anastassiou, C., Topala, I., Cold atmospheric plasma as an associative agent for chemotherapy of breast cancer, CPPA 2019, XVIIIth International Conference on Plasma Physics and Applications, 20-22 Iunie 2019, Iași, Romania (oral) (https://www.plasma.uaic.ro/cppa/cppa2019/)	raportor	int	10.000
20	Gerber, I.C. , Topala, I., Borcia, G., Time-space evolution of pulsed dielectric barrier discharge in presence of fiber-based woven substrate, CPPA 2019, XVIIIth International Conference on Plasma Physics and Applications, 20-22 Iunie 2019, Iași, Romania (poster) (https://www.plasma.uaic.ro/cppa/cppa2019/)	raportor	int	10.000
21	Membru comitet de organizare: CPPA 2019, XVIIIth International Conference on Plasma Physics and Applications, 20-22 Iunie 2019, Iași, Romania (https://www.plasma.uaic.ro/cppa/cppa2019/)	membru comitet organizare	int	15.000
22	Gerber, I.C. , Mihailă, I., Pohoată, V., Topală, I., Borcia, G., Analiza fizico-chimică a analogiilor de praf interstelar obținuți prin sinteză în plasmă la presiune atmosferică, a III-a ediție a Conferinței Naționale a Doctoranzilor de la Facultățile de Fizică din cadrul Universităților din Consorțiul Universitaria, 22-23 Octombrie 2020, Online (oral) (https://profs.info.uaic.ro/~CSDCU_MIF2020/)	raportor	nat	2.000
23	Gerber, I.C. , Mihaila, I., Pohoata, V., Topala, I., FTIR investigations of hydrogenated amorphous carbon deposited using Dielectric Barrier Discharge, Second International Conference on Advances in Plasma Science and Technology (ICAPST), 27-29 Mai 2021, Coimbatore, India (oral) (https://www.siet.ac.in/icapst)	raportor	int	10.000
24	Gerber, I.C. , Soroaga, L.V., Mihaila, I., Pohoata, V., Andrei, R.F., Iancu, D., Straticiuc, M., Topala, I., Energetic Processing of Interstellar Dust Analogs Obtained in Dielectric Barrier Discharge, 19th International Conference On Plasma Physics And Applications, 31 August – 03 Septembrie 2021, Magurele, Bucuresti, Romania (oral) (https://cppa2021.inflpr.ro/)	raportor	int	10.000
25	Topala, I., Gerber, I.C. , Mihaila, I., Dobromir, M., Pohoata, V., Atmospheric pressure plasma synthesis of carbon nano-flakes, 13th International Conference on Physics of Advanced Materials, 24-30 Septembrie 2021, Sant Feliu de Guixols, Spania (oral) (https://icpam.ro/)	raportor	int	10.000
26	Gerber, I.C. , Pohoata, V., Topala, I., Mihaila, I., Soroaga, L., Pirim, C., Duca, D., Focsa, C., Interstellar Dust Analogs Obtained in Dielectric Barrier Discharge. Synthesis and Characterisation, European Conference on Laboratory Astrophysics, Linking Dust, Ice and Gas in Space, 26 Septembrie - 1 Octombrie 2021, Anacapri, Italia. (poster) (https://www.frcongressi.it/ecla2020/)	raportor	int	10.000
27	Mihaila, I., Gerber, I.C. , Straticiuc, M., Iancu, D., Andrei, R., Burducea, I., Mate, B., Pelaez, R.J., Herrero, V.J., Tanarro, I., Pirim, C., Faccinnetto, A., Duca, D., Carpentier, Y., Focsa, C., Pohoata, V., Topala, I., Revision of 3.4 um band destruction rates under ion beam irradiation of hydrogenated amorphous carbon as interstellar dust analogues, 9th Central European Symposium on Plasma Chemistry (CESPC-9) împreună cu COST Action CA19110 Plasma Applications for Smart and	raportor	int	10.000

	Sustainable Agriculture (PIAgri), 4-9 Septembrie 2022, Vysoke Tatry, Slovakia. (oral) (http://cespc9.eu/)			
28	Topala, I., Sandu, A., Gerber I.C. , Straticiuc, M., Iancu, D., Andrei, R., Mihaila, I., Pohoata, V., On the Destruction Rates of Hydrocarbon Dust in Interstellar Medium, TIM22 Physics Conference, 23-25 Noiembrie 2022, Timisoara, Romania. (oral) (https://timconference.uvt.ro/)	raportor	int	10.000
			Total 19:	221.000
			Total:	1027.194

Data:

Semnatura: