# Fișa de îndeplinire a standardelor minimale pentru domeniul Ingineria Mediului
# - conform cu Ordinul 6.129 din 2016 emis de MENCS -

## Candidat: Conf. dr. Cristina CAZAN

| Criteriu | Valoarea Minimă | Valoarea obținută de candidat |
|---|---|---|
| **NT** (Număr total de articole în reviste ISI) | **≥ 25** | **26** în reviste ISI cu FI |
| **NP** (Număr total articole ISI la care candidatul este prim autor sau autor de corespondență) | **≥ 10 min.**<br>**6** în reviste cu **FI > 1** | **11**<br>**11** în reviste cu **F > 1** |
| **FIC** (Factor de impact cumulat) | **≥ 20** | **76,86** |
| **NC** (Număr total de citări – fără autocitări – din baza Scopus și ISI Web of Science) | **≥ 100** | **467** |

### Articole publicate în jurnale cotate ISI (cu factor de impact)

| Nr. crt. | ARTICOL ISI | NP | FI 2022 | Nr. autori | FIC | Zona | NC |
|---|---|---|---|---|---|---|---|
| 1 | Matei, S., Pop, MA., Zaharia, SM., Cosnita, M., Croitoru, C., Spirchez, C., **Cazan, C.,** Investigation into the Acoustic Properties of Polylactic Acid Sound-Absorbing Panels Manufactured by 3D Printing Technology: The Influence of Nozzle Diameters and Internal Configurations, Materials, 17(3), 2024, 580. DOI:10.3390/ma17030580 https://www.webofscience.com/wos/woscc/full-record/WOS:001160043000001 **link citari:** | NU | 3.4 | 7 | 0.48 | Q2 | 0 |
| 2 | Cosnita, M., Pop, MA., **Cazan, C.,** Cristea, D., Aging resistance under short time ultraviolet (UV) radiations of polymer wood composites entirely based on wastes, Environmental Technology & Innovation, 31, 2023, DOI: 10.1016/j.eti.2023.103208 https://www.webofscience.com/wos/woscc/full-record/WOS:001015181400001 **link citari:** | DA | 7.1 | 4 | 7.10 | Q1 | 2 |

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| | https://www.webofscience.com/wos/woscc/summary/9f1cf243-491b-4111-8316-1adb1116aff4-e940c423/date-descending/1 | | | | | | |
| 3 | **Cazan, C.,** Enesca, A., Isac, L., Andronic, L., Cosnita, M., Accelerated Aging of Polymeric Composites Based on Waste with $TiO_2$ Fillers, ACS Applied Polymer Materials, 5(6), 2023, 3958-397. doi:10.1021/acsapm.3c00129 https://www.webofscience.com/wos/woscc/full-record/WOS:000985553600001 **link citari:** https://www.webofscience.com/wos/woscc/summary/32d58773-5687-4614-8738-4f50176e6d65-e9403d05/date-descending/1 | DA | 5 | 5 | 5 | Q1 | 1 |
| 4 | Andronic, L., Mamedov, D., **Cazan, C.,** Popa, M., Chifiriuc, MC., Allaniyazov, A., Palencsar, S., Karazhanov, SZ., Cerium oxide thin films: synthesis, characterization, photocatalytic activity and influence on microbial growth, Biofouling, 38(9), 2022, 865-875, doi:10.1080/08927014.2022.2144264 https://www.webofscience.com/wos/woscc/full-record/WOS:000879983000001 link citari: https://www.webofscience.com/wos/woscc/summary/49028b05-f2eb-40ec-9ec2-e90fc41c66d7-e9404340/date-descending/1 | NU | 2.7 | 8 | 0.33 | Q1 | 2 |
| 5 | Isac, L., **Cazan, C.,** Andronic, L., Enesca, A., CuS-Based Nanostructures as Catalysts for Organic Pollutants Photodegradation, Catalysts 11(10), 2022, 1135, doi:10.3390/catal12101135 https://www.webofscience.com/wos/woscc/full-record/WOS:000872703300001 link citari: https://www.webofscience.com/wos/woscc/summary/1fd6a8e0-906f-4f91-86c1-7bcb49a242a5-e940473b/date-descending/1 | NU | 3.9 | 4 | 0.98 | Q2 | 18 |
| 6 | Enesca, A., **Cazan, C.,** Polymer Composite-Based Materials with Photocatalytic Applications in Wastewater Organic Pollutant Removal: A Mini Review, Polymers, 14(16), 2022, 3291. Doi:10.3390/polym14163291 https://www.webofscience.com/wos/woscc/full-record/WOS:000845603900001 link citari: https://www.webofscience.com/wos/woscc/summary/3064c051-4eaf-4a58-9efc-99332a1c7b16-e9404c50/date-descending/1 | NU | 5 | 2 | 2.5 | Q1 | 14 |
| 7 | Cosnita, M., Balas, M., **Cazan, C.,** The Influence of Fly Ash on the Mechanical Properties of Water Immersed All Waste Composites, Polymers, 14(10), 2022, 1957. Doi:10.3390/polym14101957 https://www.webofscience.com/wos/woscc/full-record/WOS:000803684200001 **link citari:** https://www.webofscience.com/wos/woscc/summary/225e7e4d-a93c-4f00-bfda-6f9a450b47a9-e9405a3d/date-descending/1 | DA | 5 | 3 | 5 | Q1 | 1 |

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| 8 | **Cazan, C.,** Enesca, A., Andronic, L., Synergic Effect of $TiO_2$ Filler on the Mechanical Properties of Polymer Nanocomposites, Polymers, 13(12), 2021, 2017. doi:10.3390/polym13122017 https://www.webofscience.com/wos/woscc/full-record/WOS:000666562300001 **link citari:** https://www.webofscience.com/wos/woscc/summary/6390a2a9-58e3-448e-b109-ff1ad75ac090-e9405d70/date-descending/1 | DA | 5 | 3 | 5 | Q1 | 68 |
| 9 | Andronic, L., Isac, L., **Cazan, C.,** Enesca, A., Simultaneous Adsorption and Photocatalysis Processes Based on Ternary $TiO_2$-CuxS-Fly Ash Hetero-Structures. Applied Sciences, 10(22), 2020, 8070. doi:10.3390/app10228070 https://www.webofscience.com/wos/woscc/full-record/WOS:000594212100001 **link citari:** https://www.webofscience.com/wos/woscc/summary/78f1162e-311e-46e7-b3fa-d8a7d6c74ba1-e94061f3/date-descending/1 | NU | 2.7 | 4 | 0.68 | Q2 | 12 |
| 10 | Enesca, A., **Cazan, C.,** Volatile Organic Compounds (VOCs) Removal from Indoor Air by Heterostructures/Composites/Doped Photocatalysts: A Mini-Review. Nanomaterials, 10(10), 2020, 1965. doi:10.3390/nano10101965 https://www.webofscience.com/wos/woscc/full-record/WOS:000585318900001 link citari: https://www.webofscience.com/wos/woscc/summary/dc51a2c8-8f9b-4b43-9d13-4fd542b543f2-e94067f3/date-descending/1 | NU | 5.3 | 2 | 2.65 | Q2 | 15 |
| 11 | Cosnita, M., Manciulea, I., **Cazan, C**., All-Waste Hybrid Composites with Waste Silicon Photovoltaic Module. Polymers, 12(1), 2020, 53. doi:10.3390/polym12010053 https://www.webofscience.com/wos/woscc/full-record/WOS:000519848300053 link citari: | DA | 5 | 3 | 5 | Q1 | 0 |
| 12 | Isac, L., **Cazan, C.,** Enesca, A., Andronic, L. Copper Sulfide Based Heterojunctions as Photocatalysts for Dyes Photodegradation. Frontiers in Chemistry, 7, 2019, 694. doi:10.3389/fchem.2019.00694 https://www.webofscience.com/wos/woscc/full-record/WOS:000494674900001 **link citari:** https://www.webofscience.com/wos/woscc/summary/8ef8918c-be4e-439e-b06f-2eb6009897bc-e9406ba9/date-descending/1 | NU | 5.5 | 4 | 1.38 | Q2 | 54 |
| 13 | **Cazan, C.,** Cosnita, M., Isac, L., The influence of temperature on the performance of rubber - PET-HDPE waste -based composites with different inorganic fillers. Journal of Cleaner Production 208 (2019) 1030-1040. Doi:10.1016/j.jclepro.2018.10.045 https://www.webofscience.com/wos/woscc/full-record/WOS:000451362200094 | DA | 11.1 | 3 | 11.1 | Q1 | 13 |

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| | **link citari:** https://www.webofscience.com/wos/woscc/summary/ccd97911-f768-4c41-bf6b-c4440c7350d3-e940707e/date-descending/1 | | | | | | |
| 14 | Cosnita, M., **Cazan, C.,** Duta, A.,The influence of inorganic additive on the water stability and mechanical properties of recycled rubber, polyethylene terephthalate, high density polyethylene and wood composites. Journal of Cleaner Production, 165, 2017, 630-636. doi:10.1016/j.jclepro.2017.07.103 https://www.webofscience.com/wos/woscc/full-record/WOS:000411544400057 **link citari**: https://www.webofscience.com/wos/woscc/summary/2429ed08-06d6-4be0-a9bd-d37aba463037-e9407448/date-descending/1 | NU | 11.1 | 3 | 3.70 | Q1 | 18 |
| 15 | **Cazan, C.,** Cosnita, M., Duta, A., Effect of PET functionalization in composites of rubber–PET–HDPE type. Arabian Journal of Chemistry, 10(3), 2017, 300-312.doi:10.1016/j.arabjc.2015.10.005 https://www.webofscience.com/wos/woscc/full-record/WOS:000396405000002 **link citari:** https://www.webofscience.com/wos/woscc/summary/10621146-04b6-423a-8e35-b8fd0ff60865-e9407783/date-descending/1 | DA | 6 | 3 | 6 | Q2 | 22 |
| 16 | Cosnita, M., **Cazan, C.,** Duta, A., Effect of waste polyethylene terephthalate content on the durability and mechanical properties of composites with tire rubber matrix. Journal of Composite Materials, 51(3), 2017, 357-372. Doi:10.1177/0021998316645850 https://www.webofscience.com/wos/woscc/full-record/WOS:000394801300006 **link citari**: https://www.webofscience.com/wos/woscc/summary/98f9bfb5-1e45-425e-9fcf-395046dc71fd-e9407ad3/date-descending/1 | NU | 2.9 | 3 | 0.96 | Q3 | 6 |
| 17 | György, E., Pérez del Pino, A., Logofatu, C., **Cazan, C.,** Duta, A., Mullins, W. Simultaneous Laser-Induced Reduction and Nitrogen Doping of Graphene Oxide in Titanium Oxide/Graphene Oxide Composites. Journal of the American Ceramic Society, 97(9), 2014, 2718–2724. doi:10.1111/jace.13013 https://www.webofscience.com/wos/woscc/full-record/WOS:000341826500007 **link citari:** https://www.webofscience.com/wos/woscc/summary/3a4cf4b2-6cac-45ae-9537-02305fef8f47-e9407ea1/date-descending/1 | NU | 3.9 | 6 | 0.65 | Q1 | 20 |
| 18 | Andronic, L., Enesca, A., **Cazan, C.,** Visa, M., $TiO_2$–active carbon composites for wastewater photocatalysis. Journal of Sol-Gel Science and Technology, 71(3), 2014, 396–405. doi:10.1007/s10971-014-3393-6 https://www.webofscience.com/wos/woscc/full-record/WOS:000340499500003 | NU | 2.5 | 4 | 0.62 | Q1 | 27 |

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| | **link citari:** https://www.webofscience.com/wos/woscc/summary/f1fe037c-8a7e-447c-b5b5-e94e3283795e-e9408580/date-descending/1 | | | | | | |
| 19 | Cosnita, M., **Cazan, C.,** Duta, A., Interfaces and mechanical properties of recycled rubber-polyethylene terephthalate-wood composites. Journal of Composite Materials, 48(6),2014, 683–694. doi:10.1177/0021998313476561 https://www.webofscience.com/wos/woscc/full-record/WOS:000332196000005 **link citari:** https://www.webofscience.com/wos/woscc/summary/81f3597c-3cfa-4ef7-ad3a-a1c70fa0eee7-e9408949/date-descending/1 | NU | 2.9 | 3 | 0.96 | Q3 | 4 |
| 20 | **Cazan, C.,** Perniu, D., Cosnita, M., Duta, A., Polymeric Wastes From Automotives As Second Raw Materials For Large Scale Products, Environmental Engineering And Management Journal, 12(8), 2013, 1649-1655. https://www.webofscience.com/wos/woscc/full-record/WOS:000330190300014 **link citari:** https://www.webofscience.com/wos/woscc/summary/b492612f-018c-404b-b100-dc01a96212c4-e9408eb9/date-descending/1 | DA | 1.1 | 4 | 1.1 | Q4 | 2 |
| 21 | Ienei, E., Isac, L., **Cazan, C.,** Duta, A., Characterization of Al/Al2O3/NiOx solar absorber obtained by spray pyrolysis, Solid State Science, 12(11), 2010, 1894–1897. doi:10.1016/j.solidstatesciences.2010.05.028 https://www.webofscience.com/wos/woscc/full-record/WOS:000284521900013 **link citari:** https://www.webofscience.com/wos/woscc/summary/f5332a5f-75bb-4f46-99ec-bf4a95ec5a66-e94093f5/date-descending/1 | NU | 3.5 | 4 | 0.87 | Q2 | 17 |
| 22 | **Vladuta, C.,** Andronic, L., Duta, A., Effect of $TiO_2$ Nanoparticles on the Interface in the PET-Rubber Composites. Journal of Nanoscience and Nanotechnology, 10(4), 2010, 2518–2526. doi:10.1166/jnn.2010.1440 https://www.webofscience.com/wos/woscc/full-record/WOS:000273984900035 **link citari:** https://www.webofscience.com/wos/woscc/summary/b5b2f7cb-6e85-4901-ab55-32d775262151-e9409926/date-descending/1 | DA | 1.134 | 3 | 1.13 | Q4 | **3** |
| 23 | **Vladuta, C.,** Voinea. M., Purghel, E., Duta, A., Correlations between the structure and the morphology of PET–rubber nanocomposites with different additives, Materials Science And Engineering B-Advanced Functional Solid-State Materials, 165(3), 2009, 221–226. doi:10.1016/j.mseb.2009.07.004 https://www.webofscience.com/wos/woscc/full-record/WOS:000273157800020 **link citari:** | DA | 3.6 | 4 | 3.6 | Q2 | 10 |

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| | https://www.webofscience.com/wos/woscc/summary/4bf2a1e7-8ce6-44fd-a0b2-d1494619ee92-e9409d2a/date-descending/1 | | | | | | |
| 24 | Andronic, L., Enesca, A., **Vladuta, C.,** Duta, A., Photocatalytic activity of cadmium doped $TiO_2$ films for photocatalytic degradation of dyes, Chemical Engineering Journal, 152(1), 2009, 64–71. doi:10.1016/j.cej.2009.03.031 https://www.webofscience.com/wos/woscc/full-record/WOS:000274348400009 **link citari:** https://www.webofscience.com/wos/woscc/summary/75430b30-17d3-4cce-bf0c-f256d0a28830-e940a12a/date-descending/1 | NU | 15.1 | 4 | 3.77 | Q1 | 99 |
| 25 | Voinea, M., **Vladuta, C.,** Bogatu, C., Duta, A., Surface properties of copper based cermet materials. Materials Science and Engineering B, 152(1-3), 2008, 76–80. doi:10.1016/j.mseb.2008.06.020 https://www.webofscience.com/wos/woscc/full-record/WOS:000261480600016 **link citari:** https://www.webofscience.com/wos/woscc/summary/b77cfb1d-7f87-448e-aeba-d1fa24f20f00-e940a4dd/date-descending/1 | NU | 3.6 | 4 | 0.9 | Q2 | 21 |
| 26 | **Vladuta, C.**, Andronic, L., Visa, M., Duta, A., Ceramic interface properties evaluation based on contact angle measurement, Surface & Coatings Technology, 202(11), 2008, 2448–2452 doi:10.1016/j.surfcoat.2007.08.033 https://www.webofscience.com/wos/woscc/full-record/WOS:000253930900045 **link citari:** https://www.webofscience.com/wos/woscc/summary/e45752aa-fc8d-435f-acee-233e3346b5d5-e940a859/date-descending/1 | DA | 5.4 | 4 | 5.4 | Q1 | 18 |
| | PUNCTAJ TOTAL | 11 | | | 76,86 | | 467 |

Data

10.05.2024

conf. dr. Cristina CAZAN

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