

UNIVERSITATEA "OVIDIUS" DIN CONSTANȚA
FACULTATEA - ȘTIINȚE APLICATE ȘI INGINERIE
DEPARTAMENTUL - CHIMIE ȘI INGINERIE CHIMICĂ

LISTA DE LUCRĂRI

Conf. univ. habil. dr. ing. Lucica BARBEȘ

A. TEZA DE ABILITARE / TEZA DE DOCTORAT

A1. Lucica Barbeș (2021) *Contribuții privind aplicarea metodelor spectrale și statistice de analiză în evaluarea suprafețelor și a factorilor de mediu (Contributions on applying spectral and statistical methods of analysis in the evaluation of surfaces and environmental factors)*, 253 pag.; domeniul fundamental - Științe Inginerești; domeniul de specialitate - Ingineria Mediului; susținere publică - 23 septembrie 2021 - Universitatea Politehnica din București

Ordin de abilitare (CNATDCU) nr. 5967 /28 decembrie 2021

A2. Lucica Barbeș (2003) *Compuși heterociclici cu efect antifouling*, Universitatea Politehnica din București, România, 225 pag; coordonator științific - Prof. univ. dr. ing. Corneliu Tărăbășanu-Mihăilă, Universitatea Politehnica din București

Diploma Doctor în domeniul Inginerie chimică, nr. 313/05.01.2004 emisă de Universitatea Politehnica din București în baza OMECI nr. 5663/15.12.2003

B. BREVET DE INVENȚIE

B1. N.Rășanu, L.Barbeș, *Compoziție peliculogenă cu acțiune antivegetativă (Film forming agent preventing vegetable growth consists of a resin based paint formulation protecting ships against deposits); Brevet RO nr.118207/B₁/28.03.2003*

C. CĂRȚI/CAPITOLE DE CARTE PUBLICATE

Ca – Cărți / cursuri (manuale) pentru uzul studenților, publicate în edituri recunoscute.

Ca1. L. Barbeș, C.Ș. Dumitriu, *Polymeric Composite Materials*, Editura Lap Lambert Academic Publishing, 2021, ISBN 978-620-4-19941-2 (140 pag.)

Ca2. A. Bărbulescu, L. Barbeș, C.Ș. Dumitriu, *Statistical Assessment of the Water Quality Using Water Quality Indicators. A case study from India*, cap 26, în *Water Safety, Security and Sustainability*, Advanced Sciences and Technologies for Security Applications. Eds. A. Vaseashta, C. Maftai, Springer International Publishing, AG, Cham, 2021, pp. 599 - 613, ISBN 978-3-030-76007-6, eISBN: 978-3-030-76008-3.

DOI: 10.1007/978-3-030-76008-3_26

Ca3. L. Barbeș – *Combustibili, lubrifianți și materiale speciale pentru autovehicule (Fuels, lubricants and special materials for motor vehicles – individual study)* – învățământ cu frecvență redusă, Editura Ovidius University Press, Constanța, 2020, ISBN 978-606-060-013-8 (228 pag.)

Ca4. L. Barbeș - *Chimie tehnologică generală* – note de curs, vol.I, Editura Ovidius University Press, Constanța, 2009, ISBN 978-973-614-475-2 (332 pag.)

Ca5. L. Barbeș, N. Matei - *Falsificări ale produselor alimentare. Aplicații*, Editura PIM, Iași, 2016, ISBN 978-606-13-2478-1 (100 pag.)

Ca6. N.Rasanu, L. Barbeș - *Lucrări practice de Tehnologie Chimică Generală*, Editura Ex Ponto Constanța, 2002, ISBN 973-8227-86-0 (120 pag.)

D. ARTICOLE / STUDII IN EXTENSO PUBLICATE

Ris - Reviste de specialitate de circulație internațională recunoscute (cotate/indexate ISI)

Ris1. Barbeș, L.; Bărbulescu, A.; Dumitriu, C.Ș. Human Health Risk Assessment to the Consumption of Medicinal Plants with Melliferous Potential from the Romanian South-Eastern Region, **Toxics**, 11, 520 (2023).

Q1 - FI₂₀₂₂₋₂₀₂₃: 4,6; JCI₂₀₂₂: 0,79; AIS: 0,719; WOS:001021144800001; DOI: 10.3390/toxics11060520

Ris.2. Bărbulescu, A.; Barbeș, L.* Modeling the Chlorine Series from the Treatment Plant of Drinking Water in Constanta, Romania. **Toxics**, 11, 699 (2023). *autor de corespondență

Q1 - FI₂₀₂₂₋₂₀₂₃: 4,6; JCI₂₀₂₂: 0,79; AIS: 0,719; WOS: 001055951800001; DOI: 10.3390/toxics11080699

Ris3. C. Stavarache, A. Nicolescu, C. Duduianu, G. L. Ailiesei, M. Balan-Porcarasu, M. Cristea, A.-M. Măsim, O. Popa, C. Stavarache, A. Hirtopeanu, L. Barbeș*, R. Stan, H. Iovu, C. Deleanu, *A real-life reproducibility assessment for NMR metabolomics*, **Diagnostics**, 12(3), 559 (2022), *autor de corespondență

Q2 - FI₂₀₂₂₋₂₀₂₃: 3,6; JCI₂₀₂₂: 0,85; AIS: 0,668; WOS: 000776839600001; DOI: 10.3390/diagnostics12030559

Ris4. A. Bărbulescu, L. Barbeș*, C.Ș. Dumitriu, *Computer-aided methods for molecular classification*, **Mathematics**, 10(9), 1543 (2022). *autor de corespondență

Q1 - FI₂₀₂₂₋₂₀₂₃: 2,4; JCI₂₀₂₂: 2,08; AIS: 0,368; WOS: 000800730000001; DOI:10.3390/math10091543

Ris5. A. Bărbulescu, L. Barbeș*, C.Ș. Dumitriu, Impact of soil pollution on melliferous plants. **Toxics** 10, 239 (2022). *autor de corespondență

Q1 - FI₂₀₂₂₋₂₀₂₃: 4,6; JCI₂₀₂₂: 0,79; AIS: 0,719; WOS: 000802642000001; DOI:10.3390/toxics10050239

Ris6. A. Bărbulescu, L. Barbeș*, C.Ș. Dumitriu, *Computer-aided classification of new psychoactive substances*, **Journal of Chemistry** (Hindawi), articol ID 4816970, 11 pag. (2021) *autor de corespondență

Q3 - FI₂₀₂₂₋₂₀₂₃: 3,0; JCI₂₀₂₂: 0,4; AIS: 0,429; WOS: 000741402900002; DOI: 10.1155/2021/4816970

Ris7. L. Barbeș, A. Bărbulescu, G. Stanciu, R. Rotariu, *Mineral analysis of different bee products by Flame Atomic Absorption Spectrometry*, **Romanian Journal of Physics** 66 (1-2), art. no. 802 (2021)

Q3 - FI₂₀₂₂₋₂₀₂₃: 1,5; JCI₂₀₂₂: 0,41; AIS: 0,201; WOS:000626521600010; ISSN: 1221-146X

Ris8. A. Bărbulescu, L. Barbeș*, *Statistical methods for assessing water quality after treatment on a sequencing batch reactor*, **Science of the Total Environment** 752, art no. 141991 (2021).

Q1 - FI₂₀₂₂₋₂₀₂₃: 9,8; JCI₂₀₂₂: 1,68; AIS: 1,432; WOS: 000588243900112; ISSN: 0048-9697; DOI: 10.1016/j.scitotenv.2020.141991 *autor de corespondență

Ris9. A. Bărbulescu, L. Barbeș*, *Modeling the outlet temperature in heat exchangers: Case study*, **Thermal Science** 25 (1B), 591-602 (2021). *autor de corespondență

Q4 - FI₂₀₂₂₋₂₀₂₃:1,71; JCI₂₀₂₂: 0,33; AIS: 0,154; WOS:000637580100014; DOI: 10.2298/TSCI190913449B; ISSN:0354-9836 *autor de corespondență

Ris10. A. Bărbulescu, L. Barbeș*, C.Ș. Dumitriu, Assessing the water pollution of the Brahmaputra River using water quality indexes. **Toxics** 9(11), 297 (2021). *autor de corespondență

Q1 - FI₂₀₂₂₋₂₀₂₃: 4,6; JCI₂₀₂₂: 0,79; AIS: 0,719; WOS: 000724845800001; DOI: 10.3390/toxics9110297

Ris11. A. Bărbulescu, L. Barbeș*, *Statistical Assessment and Modeling of Benzene Level in Atmosphere in Timiș County, Romania*, **International Journal of Environmental Science and Technology**, 19, 817-828 (2022). *autor de corespondență

Q3 - FI₂₀₂₂₋₂₀₂₃: 3,1; JCI₂₀₂₂: 0,5; AIS: 0,393; WOS:000578897700001; DOI:10.1007/s13762-020-02951-2

Ris12. A. Bărbulescu, L. Barbeș*, *Assessing the water quality of the Danube River (at Chiciu, Romania) by statistical methods*, **Environmental Earth Sciences** 79(6), articol nr. 122 (2020). *autor de corespondență

Q2 - FI₂₀₂₂₋₂₀₂₃: 2,8; JCI₂₀₂₂: 0,65; AIS: 0,493; WOS:000519628600006; DOI:10.1007/s12665-020-8872-1

Ris13. L. Barbeș, A. Bărbulescu, G. Stanciu, *Statistical analysis of mineral elements content in different melliferous plants from the Dobrogea region, Romania*, **Romanian Reports in Physics** 72 (2) art.705 (2020)

Q2 - FI₂₀₂₂₋₂₀₂₃: 2,7; JCI₂₀₂₂: 0,64; AIS: 0,245; WOS: 000535613200012; ISSN: 1221-1451

- Ris14.** A. Bărbulescu, **L. Barbeș***, Y. Nazzal, *New model for inorganic pollutants dissipation on the Northern part of the Romanian Black Sea coast*, **Romanian Journal of Physics** **63** (5-6) art. no. 806 (2018).
Q3 - FI₂₀₂₂₋₂₀₂₃: **1,5**; JCI₂₀₂₂: **0,41**; AIS: **0,201**; **WOS**: 000440033800012; ISSN: 1221-146X; *autor de corespondență
- Ris15.** **L. Barbeș**, A. Bărbulescu, *Monitoring and statistical assesment of heavy metals in soil and leaves of Populus Nigra L.*, **Environmental Engineering and Management Journal** **16** (1), 187-196 (2017)
Q4 - FI₂₀₂₂₋₂₀₂₃: **1,1**; JCI₂₀₂₂: **0,17**; AIS: **0,093**; **WOS**: 000399094900020; ISSN: 1582-9596
- Ris16.** A. Bărbulescu, **L. Barbeș***, *Mathematical modeling of sulfur dioxide concentration in the western part of Romania*, **Journal of Environmental Management** **204** (3), 825-830 (2017).
Q1 - FI₂₀₂₂₋₂₀₂₃: **8,7**; JCI₂₀₂₂: **1,46**; AIS: **1,188**; ISSN:0301-4797; **DOI**: 10.1016/j.jenvman.2017.02.052; **WOS**: 000415782600003 *autor de corespondență
- Ris17.** A. Bărbulescu, A.E. Sterpu, **L. Barbeș**, C.I. Koncsag, *New Correlation for the Mixing of Wastewater Sludge*, **Romanian Journal of Physics** **62** (1-2) art. no. 801 (2017).
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- Ris18.** A. Bărbulescu, **L. Barbeș***, *Modeling the carbon monoxide dissipation in Timisoara, Romania*, **Journal of Environmental Management** **204** (3), 831-838 (2017). *autor de corespondență
Q1 - FI₂₀₂₂₋₂₀₂₃: **8,7**; JCI₂₀₂₂: **1,46**; AIS: **1,188**; **DOI**: 10.1016/j.jenvman.2017.02.047; ISSN:0301-4797; **WOS**:000415782600004
- Ris19.** G. Stanciu, **L. Barbeș***, *Valorification of waste from biodiesel production as fertilizer for medicinal herbs*, **Journal of Science and Arts**, **3**(40), 547-556 (2017). *autor de corespondență
Q3 - FI₂₀₂₂₋₂₀₂₃: **0,4**; JCI₂₀₂₂: **0,19**; **WOS**: 000412467400017; ISSN:1844-9581.
- Ris20.** A. Bărbulescu, **L. Barbeș***, *Characterization of the Concentrations of Volatile Organic Compounds in the Romanian Littoral using General Regression Neural Networks: A Case Study*, **Analytical Letters**, **49** (3), 387-399 (2016); ISSN: 0003-2719; *autor de corespondență
Q3 - FI₂₀₂₂₋₂₀₂₃: **2,0**; JCI₂₀₂₂: **0,47**; AIS: **0,239**; **DOI**: 10.1080/00032719.2015.1027897; **WOS**: 000366651900007
- Ris21.** A.E. Sterpu, A. Bărbulescu, **L. Barbeș**, C.I. Koncsag, “*Modeling the Mixing Process of Industrial and Domestic Wastewater Sludge*”, **Environmental Engineering and Management Journal** **14**(6), 1241-1246 (2015)
Q4 - FI₂₀₂₂₋₂₀₂₃: **1,1**; JCI₂₀₂₂: **0,17**; AIS: **0,093**; **WOS**: 000360500200001; ISSN: 1582-9596
- Ris22.** G.L. Ailiesei, M. Ciobanu, M. Balan, C. Stavarache, **L. Barbeș**, A. Nicolescu, C. Deleanu, *NMR detected metabolites in complex natural fluids. Quinic acid in apple juice*, **Analele Universității Ovidius Constanța, Seria Chimie**, **26**(2), 51-56 (2015); **DOI**:10.2478/auoc-2015-0009
Q4 - FI₂₀₂₂₋₂₀₂₃: **0,9**; JCI₂₀₂₂: **0,12**; **WOS**: 000219337100001; ISSN: 1583-2430
- Ris23.** **L. Barbeș**, A. Barbulescu, C. Radulescu, C. Stihii, *Determination of heavy metals in leaves and bark of Populus nigra L. by Atomic Absorption Spectrometry*, **Romanian Reports in Physics** **66**(3), 877-886 (2014)
Q2 - FI₂₀₂₂₋₂₀₂₃: **2,7**; JCI₂₀₂₂: **0,64**; AIS: **0,245**; **WOS**: 000342035600026; ISSN: 1221-1451
- Ris24.** M. Zia-Ul-Haq, M. Riaz, S. Ahmad, **L. Barbeș***, V. Velter, D. Badiu, S. Halichidis, *Anticonvulsant and sex enhancing effects of Ipomoea Hederacea seeds extract*, **Farmacia** **62** (4), 737 – 742 (2014)
Q4 - FI₂₀₂₂₋₂₀₂₃: **1,6**; JCI₂₀₂₂: **0,41**; AIS: **0,083**; **WOS**: 000339931700013; ISSN: 0014-8237; *autor de corespondență
- Ris25** **L. Barbeș**, C. Stihii, C. Rădulescu, *ATR-FTIR spectrometry characterisation of polymeric materials*, **Romanian Reports in Physics** **66**(3), 765-777 (2014)
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- Ris26.** A. Barbulescu, **L. Barbeș***, *Models for pollutants' correlation in the Romanian littoral*, **Romanian Reports in Physics** **66**(4), 1189-1199 (2014). *autor de corespondență
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- Ris27.** C. Rădulescu, C. Stihî, **L. Barbeș***, A. Chilian, D.E. Chelărescu, Studies concerning heavy metals accumulation of *Carduus nutans L.* and *Taraxacum officinale* as potential soil bioindicator species, **Revista de Chimie** **64** (7), 754-760 (2013). *autor de corespondență
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- Ris28.** A.Bărbulescu, **L.Barbeș***, *Mathematical models for inorganic pollutants in Navodari area, Romania*, **Revista de Chimie** **64** (7), 747-753 (2013). *autor de corespondență
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- Ris29.** A. Barbulescu, **L. Barbeș***, *Assessment of surface water quality Techirghiol Lake using statistical analysis and models*, **Revista de Chimie** **64** (8), 868-874 (2013). *autor de corespondență
WOS: 000330329400016; ISSN: 0034-7752
- Ris30.** A. Caro, V. Humblot, C. Methivier, M. Minier, **L. Barbeș**, J. Li, M. Salmain, C. Pradier, *Bioengineering of stainless-steel surface by covalent immobilization of enzymes. Physical characterization and interfacial enzymatic activity*, **Journal of Colloid and Interface Science** **349** (1), 13-18 (2010)
Q1 - FI₂₀₂₂₋₂₀₂₃: **9,9**; JCI₂₀₂₁: **1,53**; AIS: **1,155**; **WOS**: 000279966700002; **DOI**: 10.1016/j.jcis.2009.12.001; ISSN: 0021-9797
- Ris31.** **L. Barbeș**, C. Neagu, L. Melnic, C. Ilie, M. Velicu, *The use of artificial neural network (ANN) for prevision of some airborne pollutants concentration in urban areas*, **Revista de Chimie** **60** (3), 301-307 (2009)
WOS: 000265053000019; ISSN: 0034-7752
- Ris32.** **L. Barbeș**, M. Salmain, G. Stanciu, A technique to immobilize trypsin on stainless steel as a means of preventing biofilms formation, *Scientific Study & Research – Chemistry & Chemical Engineering, Biotechnology, Food Industry*, Volume IX, no. 4, pp. 453-464 (2008)
Q4 - FI₂₀₂₂₋₂₀₂₃: **0,3**; JCI₂₀₂₂: **0,06**; **WOS**:000217215100004; ISSN: 1582-540X
- Ris33.** D.L. Badiu, A. Balu, **L. Barbeș**, R. Lague, R. Nita, M. Radu, E. Tanase, N. Rosoiu, *Physico-chemical characterisation of lipids from *Mytilus galloprovincialis* (L.) and *Rapana venosa* and their healing properties on skin burns*, **Lipids** (Springer Berlin) **43** (9), 829–841 (2008)
Q4 - FI₂₀₂₂₋₂₀₂₃:**1,9**; JCI₂₀₂₂:**0,33**; AIS: **0,369**; **WOS**: 000258962000006; **DOI**: 10.1007/s11745-008-3205-2; ISSN: 0024-4201
- Ris34.** S. Zăgan, I. Berdan, T. Negreanu-Pirjol, **L. Barbeș**, *Sinteza, caracterizarea si activitatea biologică a complexului Au (III) cu etanditioamida*, **Revista de Chimie** **57**(12), 1226-1229 (2006)
WOS: 000243897600009; ISSN: 0034-7752
- Ris35.** M. Minier, M. Salmain, N. Yacoubi, **L. Barbeș**, C. Methivier, S. Zanna si Claire-Marie Pradier, *Covalent immobilization of lysozyme on stainless steel. Interface spectroscopic characterization and measurement of enzymatic activity*, **Langmuir** **21**(13), 5957-5965 (2005)
Q2 - FI₂₀₂₂₋₂₀₂₃: **3,9**; JCI₂₀₂₂: **0,67**; AIS: **0,661**; **WOS**: 000229886300048; **DOI**: 10.1021/la0501278
- Ris36.** N. Rășanu, **L. Barbeș***, *N-benzoiltioureide cu acțiune antifouling*, **Revista de Chimie** **53**(11), 758-760 (2002). *autor de corespondență. **WOS**: 000180377100010; ISSN: 0034-7752
- Ris37.** N.Rășanu, E.Chirilă, V.Mârza, **L.Barbeș**, *The removal of nithrophenol aqueous solutions from the waste waters within an ultrasonic field*, **Revista de Chimie** **52** (12), 714-717 (2001)
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- Ris38.** N.Rășanu, **L.Barbeș***, F.Anofriesei, *Antifouling derivatives of-3-carboxamido-pyridinium*, **Revista de Chimie** **51**(10), 805-806 (2000). *autor de corespondență. **WOS**: 000167138700016; ISSN: 0034-7752

Editorial

Ris39. L. Barbeș, A. Bărbulescu. Statistical Assessment, Modeling, and Mitigation of Water and Soil Pollution. *Toxics* **2022**, *10*, 261.

Q1 - FI₂₀₂₂₋₂₀₂₃: **4,6**; JCI₂₀₂₂: **0,79**; AIS: **0,719**; WOS: 00080136730000; DOI: 10.3390/toxics10050261

Ris40. A. Bărbulescu, L. Barbeș. Challenges and opportunities in the Application of Chemometrics in the Pharmaceutical and Food Science Industries. *Journal of Chemistry*, **2022**, article ID 9823497.

Q3 - FI₂₀₂₂₋₂₀₂₃: **3,0**; JCI₂₀₂₂: **0,4**; AIS: **0,429**; WOS: 000811260500002; DOI: 10.1155/2022/9823497

Rio - Reviste de specialitate indexate în baze de date internaționale.

Articole publicate în extenso în volume internaționale (Proceedings Paper)

Rio1. A. Bărbulescu, L. Barbeș, C.Ș. Dumitriu, Study of the additives for polymeric materials by cheminformatics methods in Proceedings of the 16th International Scientific Conference: Civil Engineering and Building Services (CIBv 2021) 04/11/2021 - 05/11/2021 Online, Editori: Ioan Tuns, Radu Muntean, Dorin Radu, Teofil-Florin Gălățanu, Christiana Emilia Cazacu, IOP Conference Series: Materials Science and Engineering, volume 1242, 012003 (2022). DOI: 10.1088/1757-899X/1242/1/012003

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Rio2. A. Barbulescu, L. Barbeș*, A. Dani, *Statistical analysis of the quality indicators of the Danube river water (in Romania)* in Proceedings of the 2nd Water Energy NEXUS Conference, Salerno, Italy, 14 – 17 November 2018, Editori: V. Naddeo, M. Balakrishnan, K.-H. Choo; *Frontiers in Water-Energy-Nexus—Nature-Based Solutions, Advanced Technologies and Best Practices for Environmental Sustainability*; Springer, pp. 277-279 (2019) (*autor de corespondență); WOS:000652171300069

DOI: 10.1007/978-3-030-13068-8_69; ISBN 978-3-030-13067-1; ISSN 2522-8714

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Rio3. A. Barbulescu, L. Barbeș*, *Modelling the pollutants dissipation* in Proceedings of the 14th International Conference on Environmental Science and Technology Rhodes, Greece, 3-5 Septembrie 2015, Editor: T.D. Lekkas; ISBN: 978-960-7475-52-7; ISSN: 1106-5516 (*autor de corespondență)

Rio4. A. Bărbulescu, L. Barbeș*, *Models for Pollutants Evolution in an Urban Area* in Proceedings of the 13th WSEAS International Conference on Mathematics and Computers in Biology and Chemistry, “G. Enescu” University, Iași, România, 13-15 Iunie 2012, Editori: Răducanu R., Mastorakis N., Neck E., Niola V., Ng G-L., *Mathematical Models and Methods in Applied Sciences*, pp.51-56 (2012) ISBN: 978-1-61804-098-5 (*autor de corespondență)

Rio5. L. Barbeș, *Evaluation of Biocide - Free Antifouling Systems* in Chemicals as Intentional and Accidental Global Environmental Threats (NATO Security through Science Series C: Environmental Security), Borovets, Bulgaria, 16-27 Noiembrie 2005, Editori: Simeonov L., Chirilă E., ISBN: 978-14020-5097-8, ISSN 1872-4668, Springer, pp 393-396 (2006)

WOS: 000242394300033; DOI: 10.1007/978-1-4020-5098-5_33

Rio6. A. Bavaru, R. Bercu, E. Bavaru, L. Barbeș, *Present aspects on environment protection and sustainable development on Dobrudja littoral zone*, *Studia Universitatis “Vasile Goldiș”, Seria Științele Vieții*, **21**(3), 665-673 (2011) ISSN:1584-2363

Rio7. E. Chirilă, T. Bari, L. Barbeș, *Drinking water quality assessment in Constanța town*, *Analele Universității Ovidius Constanța, Seria Chimie*, **21**(1), 87-90 (2010) ISSN:1223-7221

Rio8. D. Badiu, N. Roșoiu, L. Barbeș, A. Balu, *The effects of lipid extracts from molluscs and olive by redox systems and lipase activity in biochemistry of the skin*, *Archives of the Balkan Medical Union, Celsius Publishing House*, ISSN 1584-9244 (indexata BDI in EMBASE/Excerpta Medica, Chemical Abstracts, SCOPUS, www.umbalk.org), **42** (3), 162 – 166 (2007)

Rio9. D.L. Badiu, **L. Barbeș**, N. Rosoiu, *Study on the sterol composition of Cystoseira crinita brown algae from the Black Sea, Biodiversitate si impact antropic în Marea Neagra si în ecosistemele litorale ale Marii Negre*, Analele Stiintifice ale Univ. Al. I.Cuza, Iași, Serie nouă Biologie Animala, ISSN 1224-581X, vol. Festiv, p.81-84 (2006)

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Rio10. N. Rășanu, **L. Barbeș**, *Sulphonium salts from tetrahydrothiophene*, Analele Universității Ovidius Constanța, Seria Chimie, XVIII(1), 66-67 (2007)

Rio11. N. Rășanu, **L. Barbeș**, *Synthesis of thieno (3,2-b) benzothiachromone and some of its derivatives*, Analele Universității Ovidius Constanța, Seria Chimie, XVII (2), 248-251 (2006)

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Rio13. **L.Barbeș**, N.Rășanu, *Antifouling pigments*, Analele Universității Ovidius Constanța, Seria Chimie, XVII(1), 31-35 (2006)

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Rio15. N. Rășanu, **L. Barbeș**, M. Rășanu, *Ureas and tioureas having potential antifouling action*, Analele Universitatii Ovidius, Seria Chimie, 12(1), 58-61 (2004)

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Vis1. **L.Barbeș**, M.Velicu, *Modern procedure for determination of organic compounds in industrial waters by gas chromatography - mass spectrometry*, Ovidius University Annals of Chemistry, **16**, 145-148 (2005) ISSN 1223-7221 (3thBBCAC -Process related Environmental Analytical Chemistry 12-14 September 2005, Constanța, Romania).

Vis2. **L. Barbeș**, C.Boscornea, C.Tărăbășanu-Mihăilă, Șt.Tomas, *Vopsele cu acțiune antifouling*, The 12th Romanian International Conference on Chemistry and Chemical Engineering, București, 13-15 septembrie 2001, 76-80

Vis3. I.Carazeanu, E.Chirila, G.Prodan, **L.Barbeș**, V.Ciupina, *Chemical sythesis and characterisation of monocalcium aluminate, CaAl₂O₄*, Proceedings Annual scientific session Technical University Varna, 877-882, , 2001 ISSN 1311-896X

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Vns1. A. Bavaru, R. Bercu, E. Bavaru, **L. Barbeș**, *Issues on environment and development sustainable coastal Navodari – North Mamaia (Constanța)*, Proceedings of the IVth Congress of the Academy of Romanian Scientists – „Quality of life”, 15-17 Octombrie 2009, Editura Orizonturi Universitare, Timișoara, ISBN 978-973-638-410-3, p.71-80 (2009)

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- Vns3.** D.L. Badiu, V. Coatu, A. Oros, N. Rosoiu, **L. Barbeș**, Sanitary characterization of lipid extracts from Mediterranean mussel (*Mytilus galloprovincialis* Lmk.) and hard-shell clam (*Rapana venosa*) of the Black Sea Coas”, *Recherché Marine*, 38, 269 - 277 (2008) Periodicul I.N.C.D.M. Cercetări marine
- Vns4.** D.L. Badiu, D. Rosioru, D.Tiganus, N. Rosoiu, **L. Barbeș**, Physico- chemical comparative characterisation of the Black Sea *Squalus achantias*, *Trygon pastinaca* and *Raja clavata* extracts, *Recherché Marine*, 38, 279 - 287, (2008) Periodicul I.N.C.D.M. Cercetări marine
- Vns5.** N. Rășanu, **L. Barbeș**, N-hydroxyphthalimide derivatives with antifouling activity, *Analele Universității Ovidius Constanța, Seria Chimie*, XII, 56-60, 2001
- Vns6.** N.Rășanu, **L. Barbeș**, The synthesis and fireproof properties of some polyhalogenated esters, *Analele Universității Ovidius Constanța, Seria Chimie*, XII, 61-62, 2001
- Vns7.** M. Stăncic, **L. Iacob**, Organic compounds with metabolic inhibitory properties, *Analele Universității Ovidius Constanța, Seria Științe medicale, volumul VII*, 60-165, 2000
- Vns8.** N.Rășanu, **L.Iacob**, O. Chifor, Adsorbents for oil removal from polluted waters, *Analele Universitatii Ovidius Constanța, Seria Inginerie, vol.IX(Chimie)*, 87-92, 1998
- Vns9.** A.Dumbrava, R.Olar, **L.Iacob**, Complex compounds with mixed ligands.I. Complex compounds of Zinc(II) and Cadmium(II) with p-diaminobenzene and thiosulphate, *Analele Universitatii Ovidius Constanța,Seria Inginerie, vol.IX(Chimie)*, 11-18, 1998
- Vns10.** N.Rășanu, **L.Iacob**, Synthesis of some epoxy resins based on 2-bis-(4- hydroxyphenyl)-4-bis-(4-hydroxyphenyl)-pentane, *Analele Universitatii Ovidius Constanța, Seria Inginerie, vol.VI(Chimie)*, 56-59, 1995.

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- Vrs1.** **L. Barbeș**, A. Barbulescu, Modelling the water quality parameters in a wastewater treatment plant, in *Abstract Proceedings of International Conference - IOP Conference Series: Earth and Environmental Science*; 2021, ISSN: 1755-1307, vol 423, pg. 47
- Vrs2.** G. Stanciu, S. Lupsor, **L. Barbeș**, E. Oancea - *Determination of the polyphenolic compounds in alcoholic extract of Lavandula Augustifolia L. by HPLC/DAD* in *Book of abstracts of International Conference - Chimia 2018*, vol. 3, Ed. *Ovidius University Press*, Constanta, 2018, ISSN 2360-3941, pg. 36
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- Vrs4.** E.Chirilă, T.Bari, **L.Barbeș**, Drinking water quality assessment in Constantya town, *Challenges in Food Chemistry- International Woorkshop, Constanța, Romania, 28-29 Mai 2010*
- Vrs5.** **L. Barbeș**, Predicted concentrations of antifouling biocides released in the waters of commercial Constanța Harbour, *CHIMIA 2009 International Conference – New trends in applied chemistry*, ISBN: 978-973-614-500-1, Constanța, Romania, p 147-148, 13-16 mai 2009
- Vrs6.** **L. Barbeș**, M. Salmain, G. Stanciu, A technique to immobilize trypsin on stainless steel as a means of preventing biofilms formation, *Cinquime Colloque Franco-Roumain de Chimie Apliquee-CoFrRoCA*, ISBN: 978-973-1833-77-4, Bacau, Romania, p. 163, 25-29 iunie, 2008
- Vrs7.** **L. Barbeș**, M. Velicu, L. Melnic, C. Ilie, Prevision of PM₁₀ concentration in urban areas from industrial sources using artificial neural network method, *New trends in petroleum refining International Conference (book of abstracts)*, p. 52-53, ISBN 978-973-614-410-3, 2007

Vrs8. D. Badiu, N. Roşoiu, **L. Barbeş**, V. Coatu, A. Oroş, The sanitary comparative characterisation of the lipid extracts from *Mytilus galloprovincialis* Lmk. and *Rapana thomasiana* Grosse of th Black Sea coast, Protection and sustainable management of the Black Sea ecosystem, imperative of the third millennium, October 29th -31th, 2007, Constanţa, Romania

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Vrs10. D.L. Badiu, R. Nita, N. Rosoiu, **L. Barbeş**, A. Balu, The comparative study of lipid extracts from *Mytilus Galloprovincialis* Lmk., *Rapana Thomasiana* grosse mollusks of the Black Sea and olive oil, The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology,6-8 September 2007(Annals of West University of Timisoara-Seria Chimie), 16(2), p.81, **2007**

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Vrs13. S. Zagan, I. Berdan, T. Negreanu-Pirjol, **L. Barbeş**, Square-planar complex of gold (III) with dithiooxamide: synthesis in alkaline media, IR, UV-VIS and thermal analysis, *Ovidius University Annals of Chemistry*, pp. 29-30, **2006**

E. COMUNICĂRI ŞTIINŢIFICE

Lucrări prezentate la diferite seminarii/expoziții, conferințe, etc.

Participări la Conferințe naționale și internaționale

E1. A.M. Ciucă, E. Stoica, **L. Barbeş**, 12-14 Iulie **2023**, International Conference on Time Series and Forecasting (ITISE-2023), desfășurată în Gran Canaria (Spania)

Titlu comunicare (online): Marine biota and microplastics ingestion: A statistical approach (Ref. 5105); Session B.8: Advances in Time Series Analysis and Forecasts in Engineering Sciences. https://itise.ugr.es/Program_ITISE_2023.pdf

E2. A. Bărbulescu, **L. Barbeş**, C-Ş. Dumitriu, 12-14 Iulie **2023**, International Conference on Time Series and Forecasting (ITISE-2023), desfășurată în Gran Canaria (Spania)

Titlu comunicare (online): Assessing the water quality effluent from a treatment plant (Ref. 4715); Session B.8: Advances in Time Series Analysis and Forecasts in Engineering Sciences. https://itise.ugr.es/Program_ITISE_2023.pdf

E3. S.-B. Barbeş, A. Bărbulescu, **L. Barbeş**, 12-14 Iulie **2023**, International Conference on Time Series and Forecasting (ITISE-2023), desfășurată în Gran Canaria (Spania)

Titlu comunicare (online): Statistical analysis and modeling the dissipation of volatile organic compounds from industrial emissions (Ref. 3363); Session C.5: Applications in: Energy, Finance, Networks, Meteorology, Health, etc (Part II). https://itise.ugr.es/Program_ITISE_2023.pdf

E4. A. M. Ciucă, E. Stoica, **L. Barbeş**, M. C. Tănase, 20-30 Noiembrie **2021**, EU4oceanob: Satellite Activity of the UN Ocean Decade: Clean Ocean Laboratory (poster online).

https://www.eu4oceanobs.eu/wp-content/uploads/2021/11/IMDOS_CleanOcean_virtualposterhall.pdf

E5. A. Barbulescu, **L. Barbeş**, Y. Nazzal, 19 Noiembrie 2019, Environmental Modelling Chairman: Dr. Yousef Nazzal, Pollutants' Dissipation – Statistical Assessment and Modelling; oral session: New trends in assessment and modeling the water, air and soil hazards (comunicare)

12th International Conference on Sustainable Energy & Environmental Protection "SEEP 2019"
Proceedings of SEEP2019, 18-21November 2019, UOS, Sharjah, UAE

E6. A. Barbulescu, **L. Barbeș** - Modelling the water quality parameters in a wastewater treatment plant (**comunicare – WRE3311**) – oral session_3 - Water Quality Assessment

The 5th International Conference on Water Resource and Environment (WRE 2019), 16-19 Iulie **2019**, Macao, China

E7. A. Dani, A. Barbulescu, **L. Barbeș** - Statistical analysis of the quality indicators of the Danube river water (in Romania) (**comunicare - WS3-3S**) – sesiunea 3 - Control of hazardous substances in water and recovery of renewable/valuable resources from wastewater

WaterEnergyNEXUS - Advanced Technologies and Best Practices, 14-17 Noiembrie **2018**, Salerno, Italia

E8. L. Barbeș, G. Stanciu, A. Popescu, M. Oancea - Determination of the polyphenolic compounds in some red grapes and derivative products by HPLC/DAD (**poster PE 11**)

Chimia 2018 - New trends in applied chemistry, Constanța, Romania, 24-26 Mai **2018**, Constanta, Romania

E9. G. Stanciu, S. Lupsor, **L. Barbeș**, E. Oancea - Determination of the polyphenolic compounds in alcoholic extract of *Lavandula Augustifolia* L. by HPLC/DAD (**poster PA16**)

Chimia 2018 - New trends in applied chemistry, Constanța, Romania, 24-26 Mai **2018**, Constanta, Romania

E10. A. Barbulescu, **L. Barbeș** – Analysis of atmospheric pollutants' spreading in Romania

(**comunicare SO 6.14** - Stream 6-27 - Modelling the Impact of Human Activity, Behavior and Decisions on the Environment. Green Marketing Strategy and Green Consumer

“EcoSummit 2016 – 5th International Ecosummit – Ecological Sustainability Engineering Change, 29 august – 1 septembrie **2016**, Montpellier, Franța

E11. A. Barbulescu, **L. Barbeș** - *Modelling the pollutants dissipation* (**poster B 56 - CEST 2015_00435**) – secțiunea 14: Environmental Data Analysis and Modelling

„CEST 2015” - 14th International Conference on Environmental Science and Technology, 3-5 septembrie **2015**, Rodos, Grecia

E12. G.L. Ailiesei, M. Ciobanu, M. Balan, C. Stavarache, **L. Barbeș**, A. Nicolescu, C. Deleanu, „NMR detected metabolites in complex natural fluids. Quinic acid in apple juice” (**poster**)

„Food Chemistry & Engineering”, International Workshop, 15-16 mai **2015**, Constanta, Romania

E13. A. Barbulescu, **L. Barbeș** - Statistical Analysis and Mathematical Models for dissipation of Volatile Organic Compounds from Romanian Littoral (**lucrare invitată - O4**) – sesiunea: **Toxic compounds analysis**

“IC-ANMBES 2014” – the 3rd International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, 13-15 iunie, Brasov, Romania

E14. L. Barbeș, C. Onțică, The influence of some enzymatic mixtures on dough rheology and bread quality (**poster PA13**)

Chimia 2014- New trends in applied chemistry, Constanța, Romania, 23-24 Mai **2014**, Constanta, Romania

E15. A.E. Sterpu, A. Barbulescu, **L. Barbeș**, C.I. Koncsag – Modelling the mixing process of industrial and domestic waste sludge (**comunicare**) – sesiune 2a: **Zero- waste cities**

“Ecoimpuls 2013 - Environmental Research and Technology” - 2nd International Conference, 7-8 noiembrie 2013, Timișoara, Romania

E16. L. Barbeș, C.I. Koncsag, Z. Ungurianu - Mechanical properties testing of polymeric materials based on polyethylene and metal oxides (**poster**)

Oil, gas and petrochemical industry-International Workshop, 24 - 25 mai **2013**, Constanta, Romania

E17. Alina Barbulescu, **L. Barbeș** – Mathematical models for inorganic pollutants in Navodari area, Romania (**comunicare**)

1st International Conference on Analytical Chemistry - Analytical Chemistry for a Better Life (ICAC '2012), Targoviste, Romania, 18-21 Septembrie 2012

E18. A. Bărbulescu, **L. Barbeș**, Models for Pollutants Evolution in an Urban Area, MCBC Session: Advances in Biology and Chemistry (67905-017) (**comunicare**)

13th WSEAS International Conference on Mathematics and Computers in Biology and Chemistry (MCBC '12), Iasi, Romania, 13-15 Iunie 2012

E19. **L. Barbeș**, E. Chirila, R. Bercu, A. Bavaru, Potential of *Taraxacum Officinale* and *Carduus Nutans L.* species as bioindicators of metallic trace elements in the Northern Romanian costal area (**poster PB11**)

Chimia 2012- New trends in applied chemistry, Constanța, Romania, 24-26 Mai 2012

E20. **L. Barbeș**, G. Stanciu, M. Schiopuleț, Analysis of polypropylene oxidative stability by ATR-FTIR spectrometry (**poster PB12**)

Chimia 2012- New trends in applied chemistry, Constanța, Romania, 24-26 Mai 2012

E21. E.Chirilă, T.Bari, **L.Barbeș**, Drinking water quality assessment in Constanta town (**poster P23**)

Challenges in Food Chemistry, Constanța, Romania, 28-29 Mai 2010

E22. A. Bavaru, R. Bercu, E. Bavaru, **L. Barbeș**, Issues on environment and development sustainable coastal Navodari – North Mamaia (Constanța) (**prezentare orală**)

Al IV-lea Congres al Academiei Oamenilor de Stiinta din Romania,"Calitatea vietii", Timisoara, Romania 16-18 octombrie 2009

E23. **L. Barbeș**, Predicted concentrations of antifouling biocides released in the waters of commercial Constanța Harbour” (**poster PC18**)

Chimia 2009 - New trends in applied chemistry, Constanța, Romania, 13-16 Mai 2009

E24. **L. Barbeș**, M. Salmain, G. Stanciu, A technique to immobilize trypsin on stainless steel as a means of preventing biofilms formation (**poster**)

COFrRoCA 2008, Bacau, Romania, 25-29 Iunie 2008

E25. **L. Barbeș**, M. Velicu, L. Melnic, C. Ilie, Prevision of PM₁₀ concentration in urban areas from industrial sources using artificial neural network method (**poster P4**)

New trends in petroleum refining International Conference, Constanța, Romania, 6-8 decembrie 2007

E26. D. Badiu, N. Roșoiu, **L. Barbeș**, V. Coatu, A. Oroș, The sanitary comparative characterisation of the lipid extracts from *Mytilus galloprovincialis Lmk.* and *Rapana thomasiana Grosse* of th Black Sea coast (**prezentare orală**)

Protection and sustainable management of the Black Sea ecosystem, imperative of the third millennium, Constanța, Romania, 29 -31 Octombrie 2007

E27. R. Nita, D.L. Badiu, N. Rosoiu, **L. Barbeș**, A. Balu, E. Tanase, Research on lipid extracts from *Mytilus galloprovincialis Lmk.* and *Rapana thomasiana Grosse* from the Romanian Black Sea shore: usages for pharmaceutical purposes (**poster P-36**)

3rd International Meeting on Medicinal and Pharmaceutical Chemistry, Antalia, Turcia, 16-21 Octobrie 2007

E28. D.L. Badiu, R. Nita, N. Rosoiu, **L. Barbeș**, A. Balu, The comparative study of lipid extracts from *Mytilus Galloprovincialis Lmk.*, *Rapana Thomasiana grosse* mollusks of the Black Sea and olive oil (**prezentare orală**)

The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology, Timisoara, Romania, 6-8 Septembrie 2007

E29. D.L.Badiu, **L. Barbeș**, N. Rosoiu, Study on the sterol composition of *Cystoseira crinita* brown algae from the Black Sea, Biodiversitate si impact antropic în Marea Neagră si în ecosistemele litorale ale Marii Negre (**prezentare orală**)

Biodiversitate si impact antropic in Marea Neagra si in ecosistemele litorale ale Marii Negre, Agigea (Statiunea Biologica Marina – Prof.dr. Ioan Borcea), Romania, 20-21 octombrie **2006**

E30. N. Rasanu, **L. Barbeș**, Synthesis of new sulphonium salts using tetrahydrothiophene (**poster-PC3**) “Chimia 2006”, Constanța, Romania, 12-13 Mai **2006**

E31. M.Velicu, **L.Barbeș**, C. Draghici, Modern methods for volatile organic compounds (VOC) analysis in the frame of the air pollution monitoring (**poster-PB19**)
“Chimia 2006”, Constanța, Romania, 12-13 Mai **2006**

E32. S. Zagan, I. Berdan, T. Negreanu-Pirjol, **L. Barbeș**, Square-planar complex of gold (III) with dithiooxamide: synthesis in alkaline media, IR, UV-VIS and thermal analysis (**poster-PA1**)
“Chimia 2006”, Constanța, Romania, 12-13 Mai **2006**

E33. **L. Barbeș**, Evaluation of Biocide - Free Antifouling Systems (**poster**)
ASI NATO CBP.EAP.ASI.981563”, Borovetz, Bulgaria 16-26 Noiembrie **2005**

E34. **L.Barbeș**, M.Velicu, Modern procedure for determination of organic compounds in industrial waters by gas chromatography - mass spectrometry (**poster-PC38**)
3 BBCAC, Constanța, Romania, 12-14 Sept. **2005**

E35. C. Tarabasanu-Mihaila, C. Boscornea, C. Sava, **L. Barbeș**, V. Raditoiu, L. Wagner, Intelligent materials used in the photodynamic therapy of cancer and gas sensors of medical interest (**prelegere S07-K-02**)

RICCCE XIV- Romanian International Conference on Chemistry and Chemical Engineering, Bucuresti, Romania, 22-24 Septembrie **2005**

E36. **L. Barbeș**, C.Boscornea, C.Tărăbășanu-Mihăilă, Șt.Tomas, Vopsele cu acțiune antifouling (**prezentare orală**)

RICCCE 12 - Romanian International Conference on Chemistry and Chemical Engineering, Universitatea Politehnica București, 13-15 septembrie **2001**

E37. **L. Iacob**, C. Koncsag, “Hydrodynamic study of drops formation and motion in a spray tower for the system gazoline- NaOH solutions (**prezentare orală**)

RICCCE XI, Romanian International Conference on Chemistry and Chemical Engineering, București, Romania, 30 septembrie – 2 octombrie **1999**.

F. CONTRACTE DE CERCETARE- DEZVOLTARE

F1. Contract de finanțare pentru execuție proiect de cercetare științifică, dezvoltare tehnologică, inovare, nr. UOC 3623/31.03.2023, "*Studiul metodelor și tehnologiilor de reutilizare, reciclare, valorificare energetică a componentelor vehiculelor scoase din uz adaptate la profilul companiei S.C. Piese Auto Dez S.R.L. (Agigea, Constanța)*", **Director de proiect** (perioada execuție aprilie–decembrie 2023, în valoare totală de 59500 lei)

F2. Contract PNCDI-2, program 4 nr.61-043/2007, “*Concepere si dezvoltare de noi produse medicamentoase cu maxima eficiența si efecte secundare minimale, pe baza de substante biologice active din organisme marine*” Partener 1, 2007-2010, Director de proiect- Prof.dr. Rosoiu Natalia - Universitatea Ovidius Constanța - **Membru**

F3. Contract PNCDI-2, program 4 nr.618-3258/2007, „*Receptori moleculari redox pentru senzori electrochimici*” Partener 2, 2007-2010, Director de proiect - Prof.dr.ing. Ungureanu Mihaela- Eleonora - Universitatea Politehnica Bucuresti - **Membru**

F4. Contract VIASAN 376/2004 “*Materiale inteligente de interes medical*”, Director de proiect: Prof. dr. ing. Corneliu Tarabasanu Mihaila - Universitatea Politehnica Bucuresti - **Membru**

F5. Contract HMPT-CT-2000-00186, The FP5 European program “Marie Curie Training” – “Immobilisation of glycosidases and proteases on stainless steel as a means of preventing biofilms formation” - The Centre National de la Recherche Scientifique and the French Ministry of Research - **Membre**

Director Grant: Daniele Olivier

F6. Contract Rompetrol Rafinare Complex Petromidia S.A Nr.5525/28.05.2001, “Studiu privind posibilitățile de valorificare a leșiilor de sodă uzată de la Rompetrol Rafinare Complex Petromidia S.A.”, Titular de contract: Prof.univ. dr. ing. Dan Mandalopol - Universitatea Ovidius Constanța - **Membre**

Propuneri de contracte depuse în competiții naționale și internaționale:

PC1. PN-III-CERC-CO-PED-3-2021– Proiect experimental demonstrativ (P2-2.1-PED-2021-4083) – Ministerul Cercetării, Inovării și Digitalizării

Director de proiect: Barbeș Lucica

Eco-friendly technology for antifouling composition-based nanocomposite and natural extracts from Black Sea ecosystems (Tehnologie ecologică pentru obținerea de compoziții antivegetative pe bază de nanocompozite și extracte naturale din ecosistemele Mării Negre) - **EcoTech-AFC**

PC2. Black Sea ERA.NET 2010 Pilot Joint Call for Research Proposals (cod: BSERANET-023)

Director de proiect: Barbeș Lucica

Challenges in antifouling protection: monitoring, efficacy and risk optimization of biocides using on Black Sea

PC3. Program IDEI, Cod CNCISIS: 1396 — competiție martie 2008 – domeniul Știința mediului (Ecologie) – Director de proiect: Barbeș Lucica

Utilizarea extractelor din specii marine (alge și moluste) în scopul protecției suprafețelor metalice prin prevenirea efectelor negative ale depunerilor biologice; 81,75 puncte

PC4. Competiție mai 2007 - Academia Romana

Director de proiect: Barbeș Lucica

Compuși naturali din alga brună *Cystoseira sp.* cu efect antifouling (antivegetativ)

PC5. Program IDEI, Cod CNCISIS: 901 — competiție septembrie 2006 – comisia 4 - domeniul Știința mediului (Ecologie)

Director de proiect: Barbeș Lucica

Compuși naturali din alga brună *Cystoseira sp.* cu efect antifouling (antivegetativ) - 84 puncte

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REVIEWER (REFERENT ȘTIINȚIFIC)

1. **februarie 2015 – Analytical Letters** (publicat în 2016, vol. 49 (3), 423–432)

titlu manuscris: Characterization of octaethyl porphyrin thin films with application to determination of volatile organic compounds;

autori: İ. Çapan & C. Özkaya

2. **noiembrie 2018 - Bulletin of Environmental Contamination and Toxicology** (publicat în 2019, vol 102 (4) 504-510)

titlu manuscris: Health risk assessment associated with abandoned copper and uranium mine tailings;

autori: G. Pehoiu, C. Radulescu, O. Murarescu, I. D. Dulama, I. A. Bucurica, S. Teodorescu, R. M. Stirbescu

3. **mai-iunie 2020 – Water (MDPI); FI: 2,544; SRI: 0,946** (manuscris Water-825071 - publicat în 2020, vol. 12(6), 1694; 10.3390/w12061694)

titlu manuscris: Characteristics and Causes of Long-Term Water Quality Variation in Lixiahe Abdominal Area, China;

autori: Jiang, C.; Zhou, J.; Wang, J.; Fu, G.; Zhou, J.

4. **junie 2020- Water (MDPI); FI: 2,544; SRI: 0,946 (manuscris Water- 849511 - respins)**
 titlu manuscris: Spatial and temporal variations of regional water quality and identification of main pollutants based on multivariate statistical analysis;
 autori: Zhou Jia'nan, Xie Chao, Fu Guosheng, Jiang Chenjuan
5. **iulie 2020 – Processes (MDPI); FI: 2,753 (manuscris Processes-855757 - publicat in 2020, vol. 8 (7), 852; 10.3390/pr8070852)**
 titlu manuscris: Study of the digestate as an innovative and low-cost adsorbent for the removal of dyes in wastewater
 autori: Sicong Yao, Massimiliano Fabbicino, Marco Race, Alberto Ferraro, Ludovico Pontoni, O. Aimone, Y. Chen
6. **iulie 2020 – Water (MDPI); FI: 2,544; SRI: 0,946 (manuscris Water-872099 - respins)**
 titlu manuscris: Spatio-temporal variations of regional water quality and identification of main impact factors based on multivariate statistical analysis
 autori: Jia'nan Zhou, Chao Xie, Guosheng Fu, Chenjuan Jiang
7. **iulie 2020 – Energies (MDPI); FI:2,702; SRI: 0,601 (manuscris Energies-895831 – publicat in 2020, vol. 13(8), 4822);**
 titlu manuscris: Characteristic analysis of water quality variation and fish impact study of fish-lighting complementary photovoltaic power station
 autori: Peidu Li, Xiaoqing Gao, Junxia Jiang, Liwei Yang, Yujie Li
8. **iulie 2020 – Thermal Science; FI: 1,544; SRI: 0,485 (manuscris ThSci2020.162 - respins)**
 titlu manuscris: Instigating regression analysis to predict the air side heat transfer and friction factor correlation for plain tube-and-fin heat exchangers
 autori: Nilam P. Jadhav, V.K. Bupesh Raja, Mandar M. Lele, Suhas P. Deshmukh
9. **august 2020 – Water (MDPI); FI: 2,544; SRI: 0,946 (manuscris Water-906209 - respins)**
 titlu manuscris: Chemometrics Data Analysis of Water Quality of Rivers in Upper Citarum Watershed, Indonesia
 autori: Mochamad Adhiraga Pratama, Dwinanti Rika Martanthi, Ridwan Hakim
10. **august – septembrie 2020 - Water (MDPI); FI: 2,544; SRI: 0,946 (manuscris Water - 921884 – publicat in 2020, vol. 12(9), 2579)**
 titlu manuscris: Seasonal variations of dissolved iron concentration in active layer and rivers in permafrost areas, Russian Far East
 autori: Yuto Tashiro, Muneoki Yoh, Takayuki Shiraiwa, Takeo Onishi, Vladimir Shesterkin, Vladimir Kim
11. **septembrie – octombrie 2020 - Water (MDPI); FI: 2,544; SRI: 0,946 (manuscris Water-944424 - respins)**
 titlu manuscris: GIS-based groundwater quality assessment using groundwater quality indices and fuzzy-logic approach
 autori: Akshay Kumar Chaudhry și Payal Sachdeva
12. **octombrie 2020 - Water (MDPI); FI: 2,544; SRI: 0,946 (manuscris Water - 964821 - publicat in 2020, vol. 12(12), 3321)**
 titlu manuscris: Available dissolved organic carbon alters uptake and recycling of phosphorus and nitrogen from river sediments
 autori: Marc Stutter, Daniel Graeber și Gabriele Weigelhofer
13. **octombrie 2020 - Water (MDPI); FI: 2,544; SRI: 0,946 (manuscris Water - 974664 - publicat in 2020, vol. 12(11), 3294)**
 titlu manuscris: Assessing land-cover effects on stream water quality in metropolitan areas using the water quality index
 autori: TaeHo Kim, YoungWoo Kim, Jihoon Shin, ByeongGeon Go și YoonKyung Cha
14. **noiembrie 2020 - Water (MDPI); FI: 2,544; SRI: 0,946 (manuscris Water – 1002398 - publicat in 2021, vol. 13(2), 127)**
 titlu manuscris: Nutrient Loading, Temperature and Heat Wave Effects on Nutrients, Oxygen and Metabolism in Shallow Lake Mesocosms Pre-Adapted for 11 Years
 autori: Erik Jeppesen, Joachim Audet, Thomas A. Davidson, Érika M. Neif, Yu Cao, Nur Filiz, Torben L. Lauridsen, Søren E. Larsen, Meryem Beklioğlu, Tserenpil Sh, Martin Søndergaard
15. **noiembrie 2020 - Water (MDPI); FI: 2,544; SRI: 0,946 (manuscris Water – 1025870 - publicat 2021, vol. 13(1), 109)**
 titlu manuscris: Hydraulic dynamics in a full-scale drinking water distribution system influence particles and turbidity but not planktonic microbial concentrations
 autori: Emmanuelle I. Prest, Peter S. Schaap, Michael D. Besmer and Frederik Hammes
16. **decembrie 2020 - Water (MDPI); FI: 2,544; SRI: 0,946 (manuscris Water – 1032270 - publicat 2021, vol.13(3), 335)**
 titlu manuscris: Levels, seasonal variations and ecological risk estimation of diazinon in riverine ecosystems of the Talar, Babolrood, and Haraz in South Caspian Sea of Iran
 autori: Reza Dahmardeh Behrooz, Abbas Esmaili-sari, Magdalena Urbaniak and Paromita Chakraborty
17. **decembrie 2020 - Water (MDPI); FI: 2,544; SRI: 0,946 (manuscris water – 1059323 - respins)**
 titlu manuscris: Assessment of Groundwater Quality in the Brong Ahafo Region of Ghana, West Africa
 autori: Evans Manu, Michael Kühn, Thomas Kempka and Yvonne Sena Akosua Loh
18. **ianuarie 2021 - Water (MDPI); FI: 2,544; SRI: 0,946 (manuscris Water –1064377-publicat 2021,13(3), 357)**
 titlu manuscris: Interannual and spatial variability of cyanotoxins in the Prespa Lake Area, Greece
 autori: Valentini Maliaka, Miquel Lüring, Christian Fritz, Yvon J.M. Verstijnen, Elisabeth J. Faassen, Frank van Oosterhout, Alfons J.P. Smolders

19. **ianuarie 2021 – Environments**; Scopus; ESCI (manuscris Environments – 1106591 - publicat 2021, vol. 8(3), 19)
titlu manuscris: Multi-year Monitoring of Ecosystem Metabolism in Two Branches of a cold-water stream
autor: Daniel J. Hornbach
20. **februarie 2021 - Water (MDPI)**; FI: 2,544; SRI: 0,946 (manuscris Water – 1131688 - publicat 2021, vol. 13(9), 1202)
titlu manuscris: The role of ponds and constructed wetlands in pesticide dissipation at the agricultural catchment scale: a critical review
autori: Gwenaël Imfeld, Sylvain Payraudeau, Julien Tournebize, Sabine Sauvage, Francis Macary, Cédric Chaumont, Anne Probst, José Miguel Sánchez Pérez, Aya Bahib, Betty Chaumet, Tetyana Gilevska, Hugues Alexandre, Jean-Luc Probst
21. **martie 2021 - Water (MDPI)**; FI: 2,544; SRI: 0,946 (manuscris Water – 1156060 - publicat 2021, vol. 13(7), 943)
titlu manuscris: A preliminary lumped assessment of pollution risk at aquifer scale by using the mean residence time. Analyses of potential climate change impacts.
autori: Leticia Baena-Ruiz, David Pulido-Velazquez, Antonio-Juan Collados-Lara, Juan de Dios Gómez-Gómez
22. **martie 2021 – Sustainability (MDPI)**; FI: 2,576; SRI: 0,62; AIS: 0,332 (manuscris– 1178852 - retras)
titlu manuscris: Wastewater reuse as an abatement strategy in reducing nutrient enrichment of surface waters
autori: Solomon Ofori, Prince Chapman Agyeman , Enoch Kwesi Adotey , Iveta Růžičková , Jiří Wanner
23. **aprilie 2021 – Sustainability (MDPI)**; FI: 2,576; SRI: 0,62; AIS: 0,332 (manuscris – 1190747- publicat 2021, vol 13(10), 5389)
titlu manuscris: Source apportionment of inorganic solutes in surface waters of Lake Baikal watershed
autori: Mikhail Y. Semenov, Yuri M. Semenov, Anton Silaev, Larisa Begunova
24. **aprilie 2021 – Sustainability (MDPI)**; FI: 2,576; SRI: 0,62; AIS: 0,332 (manuscris – 1195934 – publicat 2021, vol 13(12), 6565)
titlu manuscris: How effective are existing phosphorus management strategies in mitigating surface water quality problems in the U.S.?
autor: Shama E. Haque
25. **mai 2021 – Journal of Chemistry (Hindawi)**; FI: 1,79; SRI: 0,662 (manuscris special issue: Challenges and Opportunities in the Application of Chemometrics in the Pharmaceutical and Food Industries)
titlu manuscris: Optimization of spectrophotometric and fluorometric assays using alternative substrates for the high throughput screening of lipase activity
autori: Jun-Young Park, Jisu Ha, Yoonseok Choi, Pahn-Shick Chang, and Kyung-Min Park
26. **iunie - iulie 2021- Materials (MDPI)**; FI: 3,623; SRI: 2,113 (manuscris - 1304678 - 2021, vol 14(16), 4359)
titlu manuscris: Removal of Ammonium Ions from Aqueous Solutions Using Weathered Halloysite
autor: Jacek Leszczyński
27. **iulie 2021 - Water (MDPI)**; FI: 3,103; SRI: 0,911 (manuscris – 1264615 - respins)
titlu manuscris: A review on silver nanoparticles: classification, various methods of synthesis, their role in water purification, and other potential applications
autori: Muhammad Zahoor, Nausheen Nazir, Muhammad Iftikhar, Sumaira Naz, Ivar Zekker, Juris Burlakovs, Faheem Uddin, Abdul Waheed Kamran, Anna Kallistova, Nikolai Pimenov, Farhat Ali Khan
28. **august 2021 - Water (MDPI)**; FI: 3,103; SRI: 0,911 (manuscris – 1322691 - respins)
titlu manuscris: Biotic and abiotic variables as water quality indicators in Alexandria beaches, South-Eastern Mediterranean Sea, Egypt: An assessment
autori: Ahmed E. Alprol, Mohamed Ashour, Abdallah Tageldein Mansour, Khamael M. Abualnaja, Samiha M. Gharib
29. **august 2021 - Water (MDPI)**; FI: 3,103; SRI: 0,911 (manuscris – 1325816 publicat 2021, 13(16), 2216)
titlu manuscris: A review on silver nanoparticles: classification, various methods of synthesis, and their potential roles in biomedical applications and water treatment
autori: Muhammad Zahoor, Nausheen Nazir, Muhammad Iftikhar, Sumaira Naz, Ivar Zekker, Juris Burlakovs, Faheem Uddin, Abdul Waheed Kamran, Anna Kallistova, Nikolai Pimenov, Farhat Ali Khan
30. **septembrie 2021 - Life (MDPI)**; FI: 3,817; AIS: 1,939 (manuscris – 1415969 - respins)
titlu manuscris: Microplastics in the Food Chain
autori: Klára Cverenkárová, Martina Valachovičová, Lukáš Žemlička and Lucia Bírošová
31. **septembrie 2021 - Water (MDPI)**; FI: 3,103; SRI: 0,911 (manuscris – 1362086 - respins)
titlu manuscris: Review on per-and polyfluoroalkyl substances (PFASs) in the water environment
autori: Fan Wang, Yiru Zhuang, Bingqi Dong, Jing Wu
32. **octombrie 2021 - Water (MDPI)**; FI: 3,103; SRI: 0,911 (manuscris – 1417724 – publicat 2021, 13(21), 3032).
titlu manuscris: Macrophytes: a temporary sink for microplastics in transitional water systems
autori: Andrea A. Sfriso, Yari Tomiob, Abdul-Salam Juhmanib, Adriano Sfriso, Cristina Munaria, Michele Mistrina
33. **noiembrie 2021 - International Journal of Environmental Research and Public Health (MDPI)**; FI: 3,390; AIS: 0,771 (manuscris – ijerph-1467305; publicat in 2021, 18(24), 13169)
titlu manuscris: Characteristics and influencing factors of hydrochemistry and carbon/nitrogen variation in the Huangzhouhe River Basin, a World Natural Heritage site
autori: Chenpeng Hu, Ziqi Liu, Kangning Xiong, Xiaoxi Lxy, Yuan Li, Renkai Zhang

34. **noiembrie 2021 - Life (MDPI)**; FI: 3,817; AIS: 1,939 (manuscris – life-1485546; 2021, 11(12) 1349)
titlu manuscris: Microplastics in the Food Chain
autori: Klára Cverenkárová , Martina Valachovičová, Tomáš Mackuľák , Lukas Žemlička , Lucia Bírošová
35. **noiembrie 2021 - Journal of Marine Science and Engineering (MDPI)**; FI: 2,458; AIS: 0,43 (manuscris – jmse-1470252 – publicat 2022, 10(1), 53)
titlu manuscris: Carbon and nitrogen contents driven by organic matter source within Pichavaram wetland sediments
autori: Sathy A. Naidu , Kandasamy Kathiresan , Jeffrey H. Simonson , Arny L. Blanchard , Christian J. Sanders, Alexander Pérez, Ruth M. Post, Thanumalaya Subramoniam, Raj A. Naidu, Rajendran Narendar
36. **decembrie 2021 - Water (MDPI)**; FI: 3,103; SRI: 0,911 (manuscris – 1524054; publicat in 2022, 14(3), 390).
titlu manuscris: Kinetic study of anaerobic digestion of recycled paper mill effluent (RPME) using a novel modified anaerobic hybrid baffled (MAHB) reactor
autori: Siti Roshayu Hassan, Yung-Tse Hung, Irvan Dahlan, Hamidi Abdul Aziz
37. **ianuarie 2022 – Sustainability (MDPI)**; FI: 2,576; SRI: 0,62; AIS: 0,332 (manuscris – 1578199; publicat în 2022, 14(4), 2255)
titlu manuscris: Seasonal abundance and distribution patterns of microplastics in the Lis River, Portugal
autori: Bárbara Sá, Joana Pais, Joana Antunes, João Pequeno, Ana Pires, Paula Sobral
38. **ianuarie 2022 - Water (MDPI)**; FI: 3,103; SRI: 0,911 (manuscris – 1575630; publicat in 2022, 14(4), 582)
titlu manuscris: Pretreatment of rubber additives processing wastewater by aluminum-carbon micro-electrolysis process: Process optimization and mechanism analysis
autori: Ling Zhu, Daikuan Huang, Hao Du
39. **februarie 2022 – Sensors (MDPI)**; FI: 3,567; AIS: 0,584 (manuscris – 1584608; publicat 2022, 22(6), 2088)
titlu manuscris: A State of Art Techniques for Water Quality Monitoring System for Fish Pond Using IoT & Underwater Sensors: A Review
autori: M. Manoj, V. Dhilip Kumar, Muhammad Arif, Elena-Raluca Bulai, Petru Bulai, Oana Geman
40. **februarie 2022 – Water (MDPI)**; FI: 3,103; SRI: 0,911 (manuscris – 1613222; publicat 2022, 14(5), 812).
titlu manuscris: Review on per-and polyfluoroalkyl substances (PFASs) pollution characteristics and possible sources in surface water and precipitation of China
autori: Fan Wang, Yiru Zhuang , Bingqi Dong , Jing Wu
41. **martie 2022 – International Journal of Environmental Research and Public Health (MDPI)**; FI: 3,390; AIS: 0,771 (manuscris – ijerph-1629145; publicat in 2022, 19(7), 4085).
titlu manuscris: An Efficient Method for Testing the Quality of Drinking Water Filters Used for Home Necessities
autori: Horea-George Crișan, Florina Șerdean, Corina Birleanu, Marius Pustan, Oana-Adriana Crișan
42. **martie 2022 – Water (MDPI)**; FI: 3,103; SRI: 0,911 (manuscris – 1653457; publicat in 2022, 14(8), 1294).
titlu manuscris: Monitoring the process of anaerobic digestion of native and microwave pre-treated sludge by dielectric and rheological measurements
autori: Zoltán Jákó, Cecilia Hodúr, Sándor Beszédes
43. **aprilie 2022 – Water (MDPI)**; FI: 3,103; SRI: 0,911 (manuscris – 1680683 – publicat in 2022, 14(11), 1786)
titlu manuscris: Synthesis of an organotin specific molecularly imprinted polymer for passive sampling organotin marina (ePSOM).
autori: Antoine Garnier, Chrystelle Montigny, Léa Causse, Sylvie Spinelli, Muriel Avenzac, Belkacem Otazaghine, Catherine Gonzalez
44. **aprilie 2022 – Water (MDPI)**; FI: 3,103; SRI: 0,911 (manuscris – 1716991; respins)
titlu manuscris: Evaluation of bioremediation potentiality of Bacillus mojavensis for removal of textile wastewater dyes
autori: Rajaa Sennaj, Khadija Dari, Mohammed Timinouni, Taoufiq Benali, Aziz Fassouane, Shafi Mahmud, Mohammed Merae Alshahrani, Abdelhakim Boutahya, Su Hyun Park, Bonglee Kim, Hind Assila
45. **mai 2022 – International Journal of Environmental Research and Public Health (MDPI)**; FI: 3,390; AIS: 0,771 (manuscris – ijerph-1718519; publicat in 2022, 19(12), 7182)
titlu manuscris: Riverine Health Assessment Using Coordinated Development Degree Model Based on Natural and Social Functions in the Lhasa River, China
autori: Junhong Chen, Yanjun Kong, Yadong Mei
46. **mai 2022 – Water (MDPI)**; FI: 3,103; SRI: 0,911 (manuscris – 1736589; publicat in 2022, 14(12), 1891)
titlu manuscris: Abiotic Redox Chemistry of Mercury relevant to Natural Waters/ Chemical Oxidation and Reduction Pathways of Mercury Relevant to Natural Waters: A Review
autori: Lin Si, Brian A. Branfireun, Jessica Fierro
47. **iunie 2022 – Water (MDPI)**; FI: 3,103; SRI: 0,911 (manuscris – 1776731; publicat 2022, 14(13))
titlu manuscris: Groundwater quality affected by the pyrite ash waste and fertilizers in Valea Calugareasca, Romania
autori: Nicoleta Vasilache, Elena Diacu, Cristina Modrogan, Florentina Laura Chiriac, Iuliana Claudia Paun, Anda Gabriela Tenea, Florinela Pirvu, Gabriela Geanina Vasile
48. **iunie 2022 – Water (MDPI)**; FI: 3,103; SRI: 0,911 (manuscris – 1781126; respins)
titlu manuscris: Evaluation of bioremediation potentiality of Bacillus mojavensis for elimination of azo dyes
autori: Rajaa Sennaj, Khadija Dari, Mohammed Timinouni, Taoufiq Benali, Aziz Fassouane, Shafi Mahmud, Mohammed Merae Alshahrani, Abdelhakim Boutahya, Su Hyun Park, Bonglee Kim, Hind Assila
49. **iulie 2022 – Water (MDPI)**; FI: 3,53; SRI: 0,911 (manuscris – 1847948; publicat 2022, 14(19), 3138)
titlu manuscris: The effect review of various biological, physical and chemical methods on the removal of antibiotics

- autori: Saikai Huang , Jianping Yu , Cong Li, Qijia Zhu , Yunshu Zhang , Eric Lichtfouse, Nicolas Marmier
 50. **august 2022 - Science of the Total Environment**; FI:10,753; AIS:1,398 (manuscris - STOTEN-D-22-13271;online 13 septembrie 2022, 158740)
 titlu manuscris: Nitrogen removal efficiency of four field-scale denitrifying woodchip bioreactors in eastern South Dakota, United States
 autori: Utsav Thapa, Laurent Ahiablamea, Jeppe Kjaersgaard, Christopher Hay
 51. **septembrie 2022 - Separations (MDPI)**; FI: 3,344; SRI: 0,845 (manuscris – Separations-1958680; publicat în 2022, 9(10), 313; <https://doi.org/10.3390/separations9100313>)
 titlu manuscris: Application of humic and fulvic acids as an alternative method of cleaning water from plant protection products residues
 autori: Eirini A. Makrigianni, Eirini S. Papadaki, Theodoros Chatzimitakos, Vassilis Athanasiadis, Eleni Bozinou, Stavros I. Lalas
 52. **octombrie 2022 – Water (MDPI)**; FI: 3,53; SRI: 0,911 (manuscris – Water-1985928; respins)
 titlu manuscris: Chloride removal using CO₂-hydrate for sustainable desalination: Machine Learning Application
 autori: Ahmed Elsayed, Nazar Zaki, Ali Hassan Al-Marzouqi
 53. **decembrie 2022 – Water (MDPI)**; FI: 3,53; SRI: 0,911 (manuscris – Water-2128702; publicat în ianuarie 2023, 15(2), 345; <https://doi.org/10.3390/w15020345>)
 titlu manuscris: Advances in chemical conditioning of residual activated sludge
 autori: Yankai Liang , Rui Wang, Wenquan Sun, Yongjun Sun
 54. **decembrie 2022 – Water (MDPI)**; FI: 3,53; SRI: 0,911 (manuscris – Water-2088365; respins)
 titlu manuscris: Chloride removal using CO₂-hydrate for sustainable desalination: Machine Learning application
 autori: Ahmed Elsayed, Nazar Zaki, Ali Hassan Al-Marzouqi
 55. **februarie 2023 – Toxics (MDPI)**; FI: 4,472; AIS: 0,825 (manuscris – Toxics- 2247027; respins)
 titlu manuscris: Spatial distribution, pollution levels, and ecological risks of trace elements in topsoil along an urbanization gradient in the city of Urumqi, China
 autori: Nazupar Sidikjan, Mamattursun Eziz, Alimujiang Kasimu, Xinguo Li
 56. **martie 2023 – Water (MDPI)**; FI: 3,53; SRI: 0,911 (manuscris – Water- 2289634; publicat în aprilie 2023, 15(7), 1400, <https://doi.org/10.3390/w15071400>)
 titlu manuscris: Synthesis and characterization of humic/melanin-like compounds by oxidative polymerization of simple aromatic precursors
 autori: Nastaran Khademimoshgenani, Sarah A. Green
 57. **mai 2023 – Water (MDPI)**; FI: 3,53; SRI: 0,911 (manuscris – Water- 2404289; publicat în august 2023, 15(16), 2969; <https://www.mdpi.com/2073-4441/15/16/2969>)
 titlu manuscris: Construction of river health assessment system in areas with strong human activities and its application
 autori: Hongbo Jiao, Yinan Li, Huaibin Wei, Jing Liu, Liming Cheng, Yongrui Chen
 58. **mai 2023 – International Journal of Molecular Sciences (MDPI)**; FI: 6,208; AIS: 1,064 (manuscris – IJMS 2429884; publicat în iunie 2023, 24(13), 10518; <https://doi.org/10.3390/ijms241310518>)
 titlu manuscris: “Omics” techniques used in marine biofouling studies
 autori: Sergey Dobretsov, Daniel Rittschof
 59. **august 2023 – Water (MDPI)**; FI: 3,53; SRI: 0,911 (manuscris – Water-2563345; publicat în septembrie 2023, 15(18), 3255; <https://www.mdpi.com/2073-4441/15/18/3255>)
 titlu manuscris: Source, distribution and transformation of organic matter in a subtropical karst reservoir
 autori: Jian hong Li, Tao Zhang, Jun bing Pu, Xiang ling Tang, Yin cai Xie, Qiong Xiao
 60. **septembrie 2023 – Toxics (MDPI)**; FI: 4,6; AIS: 0,719 (manuscris – Toxics- 2590620; publicat în 19 octombrie 2023, 11(10), 869; <https://www.mdpi.com/2305-6304/11/10/869>)
 titlu manuscris: Case Study of Diesters of o-Phthalic Acid in Surface Waters with Background Levels of Pollution
 autori: Alexander Gorshkov, Tatyana Grigoryeva, Yuriy Bukin and Anton Kuzmin
 61. **noiembrie 2023 - Separations (MDPI)**; FI: 2,6; AIS: 0,338 (manuscris – Separations - 2710464; în evaluare)
 titlu manuscris: Green and fast extraction of chitin from waste shrimp shells: Characterization and application in removal of Congo red dye
 autori: Fatma Zohra Gharbi, Nabil Bougdah, Belhocine Youghourta, Najoua Sbei, Rahali Seyfeddine, Maamar Damous, Mahamadou Seydou
 62. **noiembrie 2023 – Toxics (MDPI)**; FI: 4,6; AIS: 0,719 (manuscris – Toxics-2718008; în evaluare)
 titlu manuscris: Application of machine learning in modeling the relationship between catchment attributes and instream water quality in data scarce regions
 autori: Miljan Kovačević, Bahman Jabbarian Amiri, Silva Lozančić, Marijana Hadzima-Nyarko, Dorin Radu, Emmanuel Karlo Nyarko

Premierea activității de cercetare

- Diploma de excelență – castigator al concursului de performanță în activitatea de cercetare desfășurată la nivelul facultății în anul 2014, Universitatea Ovidius din Constanța, acordat februarie 2015
- Diploma de excelență – castigator al concursului de performanță în activitatea de cercetare desfășurată la nivelul facultății în anul 2017, Universitatea Ovidius din Constanța, acordat martie 2018
 - PN – III – P1 – 1.1 – PRECISI – 2017 – 17867 pentru articolul (Q2) A. Bărbulescu, A. E. Sterpu, L. Barbes, C.- I. Koncsag, New correlation for the mixing of wastewater sludge, Romanian Journal of Physics, vol. 62(1-2), 2017, art. 801.
 - PN – III – P1 – 1.1 – PRECISI – 2018 – 22202 pentru articolul (Q1) A. Bărbulescu, L. Barbes, Mathematical modeling of sulfur dioxide concentration in the Western part of Romania, Journal of Environmental Management, 204 part 3, 2017, pp. 825 – 830, <http://dx.doi.org/10.1016/j.jenvman.2017.02.052>.
 - PN – III – P1 – 1.1 – PRECISI – 2018 – 22200 pentru articolul (Q1) A. Bărbulescu, L. Barbes, Modeling the carbon monoxide dissipation in Timisoara, Romania, Journal of Environmental Management, 204 part 3, 2017, pp. 831 – 838, <http://dx.doi.org/10.1016/j.jenvman.2017.02.047>.
 - PN-III-P1-1.1- PRECISI – 2020 - 44006 pentru articolul (Q2) A. Bărbulescu, L. Barbeș, Assessing the water quality of the Danube River (at Chiciu, Romania) by statistical methods, Environmental Earth Sciences 79(6), 2020, art.122, <https://doi.org/10.1007/s12665-020-8872-1>
 - PN-III-P1-1.1- PRECISI - 2020 - 44504 pentru articolul (Q2) L. Barbeș, A. Bărbulescu, G. Stanciu, Statistical analysis of mineral elements content in different melliferous plants from the Dobrogea region, România, Romanian Reports in Physics 72 (2), 2020, art. 705.
 - PN-III-P1-1.1- PRECISI-2021- 54492 - pentru articolul (Q2) A. Bărbulescu, L. Barbeș, Statistical assessment and modeling of benzene level in atmosphere in Timiș County, Romania; International Journal of Environmental Science and Technology.
 - PN-III-P1-1.1- PRECISI-2021- 54063 pentru articolul (Q1) A. Bărbulescu, L. Barbeș, Statistical methods for assessing water quality after treatment on a sequencing batch reactor, Science of the Total Environment 752, 2021, art no. 141991; <https://doi.org/10.1016/j.scitotenv.2020>.

15.11.2023

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