

**STANDARDE MINIMALE ȘI OBLIGATORII PENTRU ÎNSCRIEREA
LA CONCURSURILE PENTRU OCUPAREA
POSTURILOR VACANTE DIDACTICE ȘI DE CERCETARE**

DOMENIUL CHIMIE

ASISTENT CERCETARE/ CERCETĂTOR ȘTIINȚIFIC (CS)/ CERCETĂTOR ȘTIINȚIFIC III (CS III)

Condiții eliminatorii: studii de specialitate în domeniul disciplinelor postului vizat.

Crt.	Domeniul Activităților	Tipul Activităților	Condiții	CS	Îndeplinit / Neîndeplinit
A1	Activitate Cercetare	Articole în reviste cotate ISI	Total Articole ISI (*):	2	Îndeplinit
			<i>Autor principal (prim sau corespondent):</i>	1	Îndeplinit
A2	Altele	Criteriu obligatoriu		Doctorand	Îndeplinit

(*) publicat sau acceptat spre publicare

Articole în reviste cotate ISI

1. Camelia Epuran, Ion Frățilescu, Ionela Fringu, Anca Lascu, Liliana Halip, Mihaela Gherban, Eugenia Făgădar-Cosma.

UV-Vis Detection of Thioacetamide: Balancing the Performances of a Mn(III)-Porphyrin, Gold Colloid, and Their Complex for Selecting the Most Sensitive Material. *Micromachines*, **2025**, 16(5), 574. <https://doi.org/10.3390/mi16050574>. **FI = 3.0**.

2. Diana Anghel, **Camelia Epuran**, Ionela Fringu, Ion Fratilesco, Anca Lascu, Ana-Maria Macsim, Vlad Chiriac, Mihaela Gherban, Dana Vlascici, and Eugenia Fagadar-Cosma. Double Type Detection of Triiodide and Iodide Ions Using a Manganese(III) Porphyrin as Sensitive Compound. *Sensors*, **2024**, 24, 5517. <https://doi.org/10.3390/s24175517>. **FI= 3.9**

3. Ionela Fringu, Diana Anghel, Ion Fratilesco, **Camelia Epuran**, Mihaela Birdeanu, and Eugenia Fagadar-Cosma. Nanomaterials Based on 2,7,12,17-Tetra-tert-butyl-5,10,15,20-tetraaza-21H,23H-porphine Exhibiting Bifunctional Sensitivity for Monitoring Chloramphenicol and Co^{2+} . *Biomedicines*, **2024**, 12, 770.

<https://doi.org/10.3390/biomedicines12040770>. **FI= 3.9**

4. Anca Lascu, Dana Vlascici, Mihaela Birdeanu, **Camelia Epuran**, Ion Fratilesco, Eugenia Fagadar-Cosma. The Influence of the Nature of the Polymer Incorporating the Same A_3B

- Multifunctional Porphyrin on the Optical or Electrical Capacity to Recognize Procaine. *Int. J. Mol. Sci.* **2023**, *24*, 17265. <https://doi.org/10.3390/ijms242417265>. FI= 5.6
5. Mihaela Birdeanu, Ion Fratilesco, **Camelia Epuran**, Liviu Mocanu, Catalin Ianasi, Anca Lascu, Eugenia Fagadar-Cosma. Nanomaterials Based on Collaboration with Multiple Partners: $Zn_3Nb_2O_8$ Doped with Eu^{3+} and/or Amino Substituted Porphyrin Incorporated in Silica Matrices for the Discoloration of Methyl Red. *Int. J. Mol. Sci.* **2023**, *24*, 8920. <https://doi.org/10.3390/ijms24108920>. FI= 5.6
6. Dana Vlascici, Anca Lascu, Ion Fratilesco, Diana Anghel, **Camelia Epuran**, Mihaela Birdeanu, Vlad Chiriac, Eugenia Fagadar-Cosma. Asymmetric Pt(II)-Porphyrin Incorporated in a PVC Ion-Selective Membrane for the Potentiometric Detection of Citrate. *Chemosensors* **2023**, *11*, 108. <https://doi.org/10.3390/chemosensors11020108>. F.I. = 4.2
7. Anca Lascu, **Camelia Epuran**, Ion Fratilesco, Mihaela Birdeanu, Liliana Halip, Eugenia Fagadar-Cosma. Porphyrin hetero-trimer involving a hydrophilic and a hydrophobic structure with application in the fluorescent detection of toluidine blue. *Chemosensors* **2022**, *10*, 48. <https://doi.org/10.3390/chemosensors10110481>. F.I. = 4.2
8. Mihaela Birdeanu, Camelia Epuran, Ion Fratilesco, Eugenia Fagadar-Cosma. Structured composites between $MnTa_2O_6$ and porphyrins: Influence of the number of carboxylic groups grafted on porphyrins on the capacity to inhibit corrosion of steel. *Indian J. Chem. Technol.* **2022**, *29*, 354–366. <https://doi.org/10.56042/ijct.v29i4.59344>. F.I. = 0.56
9. **Camelia Epuran**, Ion Fratilesco, Ana Maria Macsim, Anca Lascu, Catalin Ianasi, Mihaela Birdeanu, Eugenia Fagadar-Cosma. Excellent Cooperation between Carboxyl-Substituted Porphyrins, κ -Carrageenan and AuNPs for Extended Application in CO_2 Capture and Manganese Ion Detection. *Chemosensors* **2022**, *10*, 133. <https://doi.org/10.3390/chemosensors10040133>. [Cover Issue]; F.I. = 4.2.
10. Mihaela Birdeanu, Ion Fratilesco, **Camelia Epuran**, Alin Constantin Murariu, Gabriel Socol, Eugenia Fagadar-Cosma. Efficient Decrease in Corrosion of Steel in 0.1 M HCl Medium Realized by a Coating with Thin Layers of $MnTa_2O_6$ and Porphyrins Using Suitable Laser-Type Approaches. *Nanomaterials* **2022**, *12*, 1118. <https://doi.org/10.3390/nano12071118>. F.I. = 5.3
11. Ion Fratilesco, Anca Lascu, Bogdan Ovidiu Taranu, **Camelia Epuran**, Mihaela Birdeanu, Ana-Maria Macsim, Eugenia Tanasa, Eugeniu Vasile, Eugenia Fagadar-Cosma. One A_3B Porphyrin Structure—Three Successful Applications. *Nanomaterials* **2022**, *12*, 1930. <https://doi.org/10.3390/nano12111930>. [Editor's Choice] [Cover Issue]; F.I. = 5.3.

12. Ionela Fringu, Anca Lascu, Ana-Maria Macsim, Ion Fratilescu, **Camelia Epuran**, Mihaela Birdeanu, Eugenia Fagadar-Cosma. Pt (II)-A2B2 metalloporphyrin-AuNPS hybrid material suitable for optical detection of 1-anthraquinonsulfonic acid. *Chemical Papers* **2022**, 76, 2513–2527. <https://doi.org/10.1007/s11696-021-02047-2>. **F.I. = 2.41**
13. **Camelia Epuran**, Ion Fratilescu, Diana Anghel, Mihaela Birdeanu, Corina Orha, Eugenia Fagadar-Cosma. A Comparison of Uric Acid Optical Detection Using as Sensitive Materials an Amino-Substituted Porphyrin and Its Nanomaterials with CuNPs, PtNPs and Pt@CuNPs. *Processes* **2021**, 9, 2072. <https://doi.org/10.3390/pr9112072>. *Selectat ca [Feature Paper]* **F.I. = 3.352**
14. Mihaela Birdeanu, **Camelia Epuran**, Ion Fratilescu, Eugenia Fagadar-Cosma. Structured Thin Films Based on Synergistic Effects of MnTa₂O₆ Oxide and bis-Carboxy-phenyl-substituted Porphyrins, Capable to Inhibit Steel Corrosion. *Processes* **2021**, 9, 1890. <https://doi.org/10.3390/pr9111890>. **F.I. = 3.352**
15. Ion Fratilescu, Zoltán Dudás, Mihaela Birdeanu, **Camelia Epuran**, Diana Anghel, Ionela Fringu, Anca Lascu, Adél Len, Eugenia Fagadar-Cosma. Hybrid Silica Materials Applied for Fuchsine B Color Removal from Wastewaters. *Nanomaterials* **2021**, 11, 863. <https://doi.org/10.3390/nano1104086>. **F.I. = 5.719**
16. Diana Anghel, Anca Lascu, **Camelia Epuran**, Ion Fratilescu, Catalin Ianasi, Mihaela Birdeanu, Eugenia Fagadar-Cosma, Hybrid Materials Based on Silica Matrices Impregnated with Pt-Porphyrin or PtNPs Destined for CO₂ Gas Detection or for Wastewaters Color Removal. *Int. J. Mol. Sci.* **2020**, 21, 4262. <https://doi.org/10.3390/ijms21124262>. **F.I. = 5.62**
17. Eugenia Fagadar-Cosma, Nicoleta Plesu, Anca Lascu, Diana Anghel, Maria Cazacu, Catalin Ianasi, Gheorghe Fagadar-Cosma, Ion Fratilescu, **Camelia Epuran**. Novel Platinum-Porphyrin as Sensing Compound for Efficient Fluorescent and Electrochemical Detection of H₂O₂. *Chemosensors* **2020**, 8, 29. <https://doi.org/10.3390/chemosensors8020029>. **F.I. = 5.02**
18. Diana Anghel, Mihaela Birdeanu, Anca Lascu, **Camelia Epuran**, Eugenia Fagadar-Cosma. Amino-substituted porphyrins at the border of hybrid materials generation and platinum nanoparticles detection. *Studia Universitatis Babes-Bolyai, Chemia* **2020**, 65, 107–120. <https://doi.org/10.24193/subbchem.2020.2.09>. **F.I. = 0.447.**

Data,
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