

## Listă lucrări publicate

1. Anghel, D.; Epuran, C.; Frîngu, I.; Fratilescu, I.; Lascu, A.; Măcsim, A.-M.; Chiriac, V.; Gherban, M.; Vlascici, D.; Fagadar-Cosma, E. Double Type Detection of Triiodide and Iodide Ions Using a Manganese(III) Porphyrin as a Sensitive Compound. *Sensors* **2024**, 24(17), 5517. <https://doi.org/10.3390/s24175517>.
2. Frîngu, I.; Anghel, D.; Fratilescu, I.; Epuran, C.; Birdeanu, M.; Fagadar-Cosma, E. 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<sup>2+</sup>. *Biomedicines* **2024**, 12(4), 770. <https://doi.org/10.3390/biomedicines12040770>.
3. Vlascici, D.; Lascu, A.; Fratilescu, I.; Anghel, D.; Epuran, C.; Birdeanu, M.; Chiriac, V.; Fagadar-Cosma, E. Asymmetric Pt(II)-Porphyrin Incorporated in a PVC Ion-Selective Membrane for the Potentiometric Detection of Citrate. *Chemosensors* **2023**, 11(2), 108. <https://doi.org/10.3390/chemosensors11020108>.
4. Epuran, C.; Fratilescu, I.; Anghel, D.; Birdeanu, M.; Orha, C.; Fagadar-Cosma, E. 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(11), 2072. <https://doi.org/10.3390/pr9112072>.
5. Fratilescu, I.; Dudas, Z.; Birdeanu, M.; Epuran, C.; Anghel, D.; Frîngu, I.; Lascu, A.; Len, A.; Fagadar-Cosma, E. Hybrid Silica Materials Applied for Fuchsine B Color Removal from Wastewaters. *Nanomaterials* **2021**, 11(4), 863. <https://doi.org/10.3390/nano11040863>.
6. Anghel, D.; Lascu, A.; Epuran, C.; Fratilescu, I.; Ianasi, C.; Birdeanu, M.; Fagadar-Cosma, E. Hybrid Materials Based on Silica Matrices Impregnated with Pt-Porphyrin or PtNPs Destined for CO<sub>2</sub> Gas Detection or for Wastewaters Color Removal. *Molecular Science* **2020**, 21(12), 4262. <https://doi.org/10.3390/ijms21124262>.
7. Anghel, D.; Birdeanu, M.; Lascu, A.; Epuran, C.; Fagadar-Cosma, E. Amino-substituted porphyrins at the border of hybrid materials generation and platinum nanoparticles detection. *Studia UBB Chemia* **2020**, 2, 107-120. 10.24193/subbchem.2020.2.09.
8. Salageanu, L.; Muntean, D.; Licker, M.; Lascu, A.; Anghel, D.; Fagadar-Cosma, E. Symmetrical And Asymmetrical Meso-Substituted Porphyrins And Zn-Metalloporphyrins In Gold Colloid Environment. Optical Properties And Evaluation Of Antibacterial Activity. *Farmacia* **2020**, 68(2). <https://doi.org/10.31925/farmacia.2020.2.14>.
9. Salageanu, L.; Muntean, D.; George, H.F.; Lascu, A.; Anghel, D.; Bagiu, I.C.; Fagadar-Cosma, E. Antimicrobial activity of different substituted meso-porphyrin derivatives. *Revista Romana de Medicina de Laborator* **2020**, 28(2). <https://doi.org/10.2478/rrlm-2020-0014>.
10. Fagadar-Cosma, E.; Plesu, N.; Lascu, A.; Anghel, D.; Cazacu, M.; Ianasi, C.; Fagadar-Cosma, G.; Fratilescu, I.; Epuran, C. Novel platinum-porphyrin as sensing compound with double fluorescent and amperometric efficiency for the detection of H<sub>2</sub>O<sub>2</sub>. *Chemosensors* **2020**, 8(2), 29. <https://doi.org/10.3390/chemosensors8020029>.
11. Anghel, D.; Lascu, A.; Fratilescu, I.; Epuran, C.; Plesu, N.; Fagadar-Cosma, E. Review about Main Requirements for Porphyrin Derivatives as Components of Dye Sensitized Solar Cells. Journal of Solar Energy Research Updates. *Journal of Solar Energy Research Updates* **2019**, 6, 78-86. <https://doi.org/10.31875/2410-2199.2019.06.9>.

12. Fagadar-Cosma, E.; Lascu, A.; Shova, S.; Zaltariov, M.-F.; Birdeanu, M.; Croitor, L.; Balan, A.; Anghel, D.; Stamatina, S. X-ray Structure Elucidation of a Pt-Metalloporphyrin and Its Application for Obtaining Sensitive AuNPs- Plasmonic Hybrids Capable of Detecting Triiodide Anions. *International Journal of Molecular Science* **2019**, 20(3), 710. <https://doi.org/10.3390/ijms20030710>.
13. Lascu, A.; Plesu, N.; Anghel, D.; Birdeanu, M.; Vlascici, D.; Fagadar-Cosma, E. Optical Detection of Bromide Ions Using Pt(II)-5,10,15,20-Tetra-(4-methoxy-phenyl)-porphyrin. *Chemosensors* **2019**, 7(2), 21. <https://doi.org/10.3390/chemosensors7020021>.