

LISTĂ LUCRĂRI PUBLICATE:

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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^{2+} . *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>
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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 CO₂ 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/subchem.2020.2.09](https://doi.org/10.24193/subchem.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/rilm-2020-0014>
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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>
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