

**LISTA PUBLICAȚIILOR REZULTATE ÎN URMA CERCETĂRII DOCTORALE,  
PUBLICATE SAU ACCEPTATE SPRE PUBLICARE, SUB AFILIERE UPT**

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**1. Lucrări științifice publicate în reviste indexate Web of Science-WoS (ISI)**

1. S. Liga, C. Paul, F. Péter, "Flavonoids: Overview of Biosynthesis, Biological Activity, and Current Extraction Techniques", *Plants*, vol. 12, no. 14, p. 2732, 2023 (WOS:001036693300001). <https://doi.org/10.3390/plants12142732>. Q1 IF = 4,1.
2. S. Liga, C. Paul, E.A. Moacă, F. Péter, "Niosomes: Composition, Formulation Techniques, and Recent Progress as Delivery Systems in Cancer Therapy", *Pharmaceutics*, vol. 16, no. 2, p. 223, 2024 (WOS:001172468300001). <https://doi.org/10.3390/pharmaceutics16020223>. Q1 IF = 5,4.
3. S. Liga, C. Paul, "Puerarin-A Promising Flavonoid: Biosynthesis, Extraction Methods, Analytical Techniques, and Biological Effects", *International Journal of Molecular Sciences*, vol. 25, no. 10, p. 5222, 2024 (WOS:001232598400001). <https://doi.org/10.3390/ijms25105222>. Q1 IF = 4,9.
4. S. Liga, R. Vodă, L. Lupa, C. Paul, N.S. Nemeș, D. Muntean, Ș. Avram, M. Gherban, F. Péter, "Green Synthesis of Zinc Oxide Nanoparticles Using Puerarin: Characterization, Antimicrobial Potential, Angiogenesis, and *In Ovo* Safety Profile Assessment", *Pharmaceutics*, vol. 16, no. 11, p. 1464, 2024 (WOS:001365894800001). <https://doi.org/10.3390/pharmaceutics16111464>. Q1 IF = 5,4.
5. S. Liga, C. Paul, "Flavonoid-Based Nanogels: A Comprehensive Overview", *Gels*, vol. 11, no. 4, p. 267, 2025 (WOS: 001474614900001). <https://doi.org/10.3390/gels11040267>. Q1 IF = 5,3.
6. S. Liga, R. Vodă, L. Lupa, E.A. Moacă, D. Muntean, L. Barbu-Tudoran, M. Suciuc, V. Socoliuc, F. Péter, "Synthesis of Ag<sub>2</sub>O/Ag Nanoparticles Using Puerarin: Characterization, Cytotoxicity, *In Ovo* Safety Profile, Antioxidant, and Antimicrobial Potential Against Nosocomial Pathogens", *Journal of Functional Biomaterials*, vol. 16, no. 7, p. 258, 2025 (WOS:001535419100001). <https://doi.org/10.3390/jfb16070258>. Q1 IF = 5,2.
7. S. Liga, A. Tămaș, R. Vodă, G. Rusu, I. Bîtcă, V. Socoliuc, R. Pop, D. Haj Ali, I.-A. Predescu, C.A. Dehelean, F. Péter. "Puerarin-Loaded Proniosomal Gel: Formulation, Characterization, *In Vitro* Antimelanoma Cytotoxic Potential, and *In Ovo* Irritation Assessment" *Gels*, vol. 12, no. 1, p. 72, 2026 (WOS:001670436700001). <https://doi.org/10.3390/gels12010072>. Q1 IF = 5,3.

**2. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate Web of Science-WoS (ISI) Proceedings**

**3. Lucrări științifice publicate în reviste de specialitate indexate BDI (cu specificarea BDI)**

**4. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate BDI (cu specificarea BDI)**

**5. Lucrări științifice publicate în volumele unor manifestări științifice internaționale (Proceedings) din străinătate**

**6. Lucrări științifice publicate în volumele unor manifestări științifice**

1. S. Liga, C. Paul, F. Péter, "Sustainable biocatalysis for the synthesis of functional Puerarin esters using immobilized lipase B from *Candida antarctica*", 14<sup>th</sup> *International Symposium of The Romanian Catalysis Society – RomCat 2025, Book of Abstracts*, July 09-11, 2025, Cluj-Napoca, Romania, p. 135.
2. S. Liga, "Sustainable synthesis of zinc and silver oxide nanoparticles mediated by isoflavone Puerarin: characterization and biological assessments", *The 17th Edition of the Conference "New Trends in Chemistry Research" (NewChemRes 2025), Book of Abstracts*, Romanian Academy "Coriolan Drăgulescu" Institute of Chemistry, September 24-26, 2025, Timișoara, Romania, p. 66.

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