

**Publicații reprezentative în domeniul tezei de doctorat-
drd. Teodora-Alexandra Iordache**

a) Articole publicate în jurnale ISI

- ✓ **Teodora-Alexandra Iordache**, Nicoleta Badea, Mirela Mihaila, Simona Crisan, Anca Lucia Pop, Ioana Lacatusu. *Polygonum cuspidatum* Loaded Nanostructured Lipid Carriers for Dual Inhibition of TNF- α - and IL-6 Cytokines and Free Radical Species, *Materials*, **2023**, 16(9), 3492, doi: 10.3390/ma16093492; **IF = 3,4**.
- ✓ **Teodora-Alexandra Iordache**, Lucia Coc, Adriana Laura Mihai, Nicoleta Badea, Ioana Lacatusu, Aurelia Meghea. The influence of vegetable oil and self-organizing agents' composition on obtaining stable nanostructured lipid carriers, *U.P.B. Sci.Bull, Seria B*, **2022**, 84, 1; **IF = 0,5**.
- ✓ **Teodora-Alexandra Iordache**, Nicoleta Badea, Mirela Mihaila, Simona Crisan, Anca Lucia Pop, Ioana Lacatusu, Challenges in Coopted Hydrophilic and Lipophilic Herbal Bioactives in the Same Nanostructured Carriers for Effective Bioavailability and Anti-Inflammatory Action, *Nanomaterials*, **2021**, 11, 3035. <https://doi.org/10.3390/nano11113035>; **IF = 5.719**.
- ✓ Ioana Lacatusu, **Teodora Alexandra Iordache**, Mirela Mihaila, Dan Eduard Mihaiescu, Anca Lucia Pop, Nicoleta Badea. Multifaced Role of Dual Herbal Principles Loaded-Lipid Nanocarriers in Providing High Therapeutic Efficacy, *Pharmaceutics*, **2021**, 13, 1511. <https://doi.org/10.3390/pharmaceutics13091511>; **IF = 6.525**.

b) Cerere brevet de invenție

- ✓ Ioana Lacatusu, Nicoleta Badea, Anca Lucia Pop, **Teodora Alexandra Iordache**, C. Pop,,: Procedeu de încapsulare duală a două categorii de principii vegetale bioactive în același sistem de distribuție nanostructurat; 2021/00220/ 29.04.2021.

FIC cumulat = 16,144

Lucrari prezentate in conferinte :

1. **Teodora Alexandra Iordache**, Simona Crisan, Anca Pop, Mirela Mihaila, Nicoleta Badea, Ioana Lacatusu, *Optimized approach for developing lipid nanocarriers loaded with active herbal extracts*, 22nd Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 22), 7-9.09.2022, Sinaia, Romania;
2. **Teodora Alexandra Iordache**, Simona Crisan, Anca Pop, Mirela Mihaila, Ioana Lacatusu, Nicoleta Badea, *Use of herbal ingredients for development of anti-inflammatory nanostructured delivery systems*, 22nd Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 22), 7-9.09.2022, Sinaia, Romania;
3. Cristina Ott, Mihaela Tociu, **Teodora Iordache**, Simona Crisan, Anca Pop, Nicoleta Badea, Ioana Lacatusu, *Resveratrol and Diosgenin co-loaded lipid nanocarriers with effective anti-inflammatory action*, 22nd Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 22), 7-9.09.2022, Sinaia, Romania;