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L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

OTT Cristina, *Sinteze regio- si stereoselective ale complexilor metal aromatici*, Universitatea Politehnica București, **2009**.

B. Cărți si capitole în cărți publicate în ultimii 10 ani

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

- C1. Badea, N., Samayoa, D., Moroșan, A., **Ott, C.**, Lacatusu, I., Hybrid Carbohydrate–Lipid Nanocarriers: In Vitro Efficacy Gene-Rated by Association of UV-Absorbers and Raspberry Polyphenols Rich-Fraction, *Pharmaceuticals*, **2025**, 18 (1), DOI:10.3390/ph18010016, WOS:001405758600001;
- C2. Lacatusu, Ioana, Balanuca, Brindusa, Serafim, Andrada, **Ott, Cristina**, Prodana, Mariana, Badea, Nicoleta, "Salicin and Hederacoside C-Based Extracts and UV-Absorbers Co-Loaded into Bioactive Lipid Nanocarriers with Promoted Skin Antiaging and Hydrating Efficacy", *Nanomaterials*, **2022**, 12(14), DOI:10.3390/nano12142362, WOS:000831780700001;
- C3. Balanuca B., **Ott C.**, Damian C.M., Iovu H., Trusca R., Stan R., "Exploring the potential of inexpensive high oleic sunflower oil for new polymeric architectures", *Polymers for Advanced Technologies*, 32 (4), 1813-1821, **2021**, IF: 3.665, WOS:000608427300001, DOI:10.1002/pat.5222;
- C4. Celina Maria, Damian, Liane Gloria Raluca, Stan; **Cristina Ott**; Brindusa, Balanuca; Anamaria, Hanganu; Roxana-Doina, Trusca, "Harnessing a byproduct from wastewater treatment to obtain improved starch/poly(vinyl alcohol) composites", *Carbohydrate Polymers*, 238, 115777, **2020**, Q1,IF: 7.182,WOS:00052641, DOI:10.1016/j.carbpol.2019.115777;
- C5. Aurelia, BRATU; **Cristina, OTT**; Brindusa, BALANUCA; Maria Nicoleta, BADEA; Ioana, LACATUSU, "The association effect of cocoa butter with vegetable oils on the obtaining of lipid nanocarriers loaded with

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- C6. Stan R., Laslau C., Gologan D., Balanuca B., **Ott C.**, “Niosomes loaded with ascorbic acid. Influence of surfactants on stability and morphology”, *UPB.Sci.Bull. Series B*, **2020**, 82(1), 101-112, ISSN: 14542331
- C7. Ioana, LACATUSU; Maria Nicoleta, BADEA; Gabriel, BADEA; Mirela, Mihaila; **Cristina, OTT**; Liane Gloria Raluca, STAN; Aurelia, Meghea, “Advanced bioactive lipid nanocarriers loaded with natural and synthetic anti-inflammatory actives”, *Chemical engineering science*, 200, 113-126, **2019**, Q1, IF:3.871, WOS:000461418000011
- C8. **Ott C.**, Raicopol M.D., Andronescu C., Vasile E., Pruna A., Pilan L., “Functionalized polypyrrole/sulfonated graphene nanocomposites: Improved biosensing platforms through aryl diazonium electrochemistry”, *Synthetic Metals*, **2018**, 235, 20-28, IF: 3.286, ISSN: 03796779, DOI: 10.1016/j.synthmet.2017.11.006, Q1, WOS:000424176500003
- C9. M. B. M. Al Tameemi, R. Stan, V. Prisacari, G. Voicu, M. Popa, M. C. Chifiriuc, **C. Ott**, G. Marton, A. Meghea, “Antimicrobial performance of nanostructured silica e titania sieves loaded with izohidrafural against microbial strains isolated from urinary tract infections”, *Comptes Rendus Chimie*, **2017**, 20(5), Pages 475-483, IF:2.223, ISSN: 16310748, DOI:10.1016/j.crci.2016.09.007, Q3, WOS:000412865500003;
- C10. Lacatusu I., Badea N., Badea G., Brasoveanu L., **Ott C.**, Oprea O., Meghea A., “Ivy leaves extract based - lipid nanocarriers and their bioefficacy on antioxidant and antitumor activities”, *RSC ADVANCES*, **2016**, 6(81), 77243-77255, WOS:000382482200015;
- C11. **Ott C.**, Parlea E., Stan R., Ungureanu E.-M., Rosca S.I., “Mechanism of acid catalyzed condensation of tricarbonyl-chromium complexed benzylic acetates with reactive arenes”, *UPB.Sci.Bull. Series B*, **2016**, 78(1), 39-50, ISSN: 14542331, WOS:000417051900004;
- C12. **Ott C.**, Lacatusu I., Badea G., Grafu I. A., Istrati D., Babeanu N., Stan R., Badea N., Meghea A., “Exploitation of amaranth oil fractions enriched in squalene for dual delivery of hydrophilic and lipophilic actives”, *Industrial Crops and Products* **2015**, 77, 342-352;
- C13. Badea G., Lacatusu I., **Ott C.**, Badea N., Grafu I., Meghea A., “Integrative approach in prevention and therapy of basal cellular carcinoma by association of three actives loaded into lipid nanocarriers”, *Journal of Photochemistry and Photobiology B-Biology*, **2015**, 147, 1-8, FI: 2.960 WOS:000354156000001 DOI: 10.1016/j.jphotobiol.2015.03.007;
- C14. Badea G., Lacatusu I., Badea N., **Ott C.**, Meghea A., “Use of various vegetable oils in designing photoprotective nanostructured formulations for UV protection and antioxidant activity”, *Industrial Crops and Products*, **2015**, 67, 18-24, IF= 2.837, WOS:000352039600004, DOI: 10.1016/j.indcrop.2014.12.049
- C15. Mitrea E., Lacatusu I., Badea N., **Ott C.**, Oprea O., Meghea A. “New Approach to Prepare Willow Bark Extract-Lipid Based Nanosystems with Enhanced Antioxidant Activity”, *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 4080-4089, FI: 1.556, WOS:000347435300009, DOI: 10.1166/jun.2015.9162;
- C16. Mustafa Basim Mohammed Al Tameemi, Dragos Gudovan, Raluca Stan, Dan Mihaiescu, **Cristina Ott**, “MCM-41 and nanostructured silica nanotubes: a comparison of drug delivery abilities”, *Romanian Journal of Materials*, **2015**, 45(2), 188-193;
- C17. Natalia Ionescu (Bordei), Mariana Popescu, Aurelia Bratu, Daniela Istrati, **Cristina Ott**, Aurelia Meghea, “Characterization of selected vegetable oils used for pharmaco-cosmetic purposes”, *Revista de Chimie*, **2015**, 66(9), 1267-1272;
- C18. Tameemi M.B.M.A.; Dobrinescu R.; Marton G.; **Ott C.**, “Doxorubicin loaded silica nanotubes: An investigation of the release behavior”, *UPB.Sci.Bull. Series B*, **2015**, 77 (3), 185-194.

D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate)

- D1. Brindusa Balanuca, **Cristina Ott**, Andrei Iulian Slabu, Madalina Ioana Necolau, Andrada Serafim, Bicomponent macromolecular architectures based on methacrylated linseed oil and alginate, S2-P- 074, Romanian International Conference on Chemistry and Chemical Engineering, RICCE 23, Mamaia 4-7 Sept. **2024**
- D2. **Cristina Ott**, Andrei Iulian Slabu, Brindusa Balanuca, Madalina Ioana Necolau, Raluca Stan Double functionalized linseed oil monomers and derived polymeric materials, S5-P-090, Romanian International Conference on Chemistry and Chemical Engineering, RICCE 23, Mamaia 4-7 Sept. **2024**
- D3. Ioana Lacatusu, Cristina Ott, Marcela-Elisabeta Barbinta-Patrascu, Nicoleta Badea, Dual flavonoids entrapped into nanostructured lipid carriers with effective vascular protective effects, S5-P-190, Romanian International Conference on Chemistry and Chemical Engineering, RICCE 23, Mamaia 4-7 Sept. **2024**
- D4. **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", Poster, S1-084, Romanian International Conference on Chemistry and Chemical Engineering, RICCE 22, Sinaia 7-9 Sept. **2022**
- D5. Raluca Stan , Mihaela Tociu, Brîndușa Bălănuță, Mihaela Idu, Oana Popa, **Cristina Ott** , "Vegetable oils based oleogels – New perspective for cosmetics, medical devices and foods", Poster, S1-035, Romanian International Conference on Chemistry and Chemical Engineering, RICCE 22, Sinaia 7-9 Sept. **2022**
- D6. Mihaela Tociu, Gabriela Chiriac, Brîndușa Bălănuță, Nicoleta Chira, Aurelia Bratu, Mihaela Mihalache, **Cristina Ott**, Raluca Stan, "Optimization of the Extraction Method of Biologically Active Compounds and Characterization of Extracts Obtained from Vegetable Residues", Poster, S2-208, Romanian International Conference on Chemistry and Chemical Engineering, RICCE 22, Sinaia 7-9 Sept. **2022**
- D7. B. Bălănuță, **C.Ott**, R.Stan, „Absorption et valorisation des graisses provenant des effluents de l’industrie alimentaire », Poster, S2.26 Dixième Colloque Franco-Roumain de Chimie Appliquée Bacău, 27–29 Juin, **2018**
- D8. Raluca Runceanu, Brîndușa Bălănuță, Raluca Stan, **Cristina Ott**, "Methacrylated Vegetable Oils Applied in Recovery of the Residual Lipids from the Food Industry Effluents", Poster, S1-136, Romanian International Conference on Chemistry and Chemical Engineering, RICCE 20, Poiana Brasov, Sept. 6-9, **2017**
- D9. Stan R., Badea G., **Ott C.**, Lăcătușu I., Badea N., Effect of vegetable oils on coencapsulation of two antioxidant and anti-UV actives into nanostructured lipid carriers, World Congress & Expo on Pharmaceutics & Drug Delivery Systems (Pharmaceutics 2016), 20- 24.04.**2016**, Dubai, Emiratele Arabe Unite;
- D10. **C. Ott**, I. Lacatusu, N. Badea, G. Badea, D. Istrati, A. Meghea, "The Valuable Effect of Vegetable Oils in Developing Lipid Nanocarriers that encapsulate Hydrophilic Extract ", Poster, S1-P-144, Romanian International Conference on Chemistry and Chemical Engineering, RICCE 19, Sibiu 2-5 Sept. **2015**
- D11. Badea G., Lacatusu I., Badea N., Stan R., **Ott C.**, Grafu I., Popa O., Meghea A., Squalene based lipid nanocarriers for co-encapsulation of pemetrexed and hesperidin: A comparative antioxidant, corelease and

antitumor study, 12th International Conference on Nanosciences & Nanotechnologies (NN15), 07-10.07.2015
Salonic, Grecia;

E. Brevete obținute în întreaga activitate

E1. Lacatusu I, Badea N, Badea G, Ott C, Stan R, Istrati D, Popa O, Meghea A, Plant Squalene-Based Nanocarriers Capable To Co-Encapsulate Hydrophilic And Lipophilic Medicaments, RO131547-B1/2020