



**LISTA DE LUCRĂRI PREZENTATE LA DIFERITE SEMINARI/EXPOZIȚII,  
CONFERINȚE**

**Prof. dr. ing. Badea Maria Nicoleta**

1. Iordache T.A, Crisan S., Pop A., Mihaila M., **Badea N.**, Lacatusu I., Optimized approach for developing lipid nanocarriers loaded with active herbal extracts, 22<sup>nd</sup> Romanian Internațional Conference on Chemistry and Chemical Engineering (RICCCE 22), 7-9.09.2023, Sinaia, Romania
2. Iordache T.A, Crisan S., Pop A., Mihaila M., **Badea N.**, Lacatusu I., *Use of herbal ingredients for development of anti-inflammatory nanostructured delivery systems*", 22<sup>nd</sup> Romanian Internațional Conference on Chemistry and Chemical Engineering (RICCCE 22), 7-9.09.2023, Sinaia, Romania
3. Ott C., Tociu M., Iordache T.A, Crisan S., Pop A., Mihaila M., **Badea N.**, Lacatusu I., *Resveratrol and Diosgenin co-loaded lipid nanocarriers with effective anti-inflammatory action*, 22<sup>nd</sup> Romanian Internațional Conference on Chemistry and Chemical Engineering (RICCCE 22), 7-9.09.2023, Sinaia, Romania
4. **Badea N.**, Lacatusu I., Neacsu G., Ott C., Ungureanu C., Encapsulation of carotenoid biopigment in nanostructured lipid carriers with enhanced antioxidant and antimicrobial activity, 20<sup>th</sup> *Romanian International Conference on Chemistry and Chemical Engineering (20<sup>th</sup> RICCCE)*- S2-268;
5. **Bordei N.**, Lacatusu I., Badea N., Meghea A., Popescu M. The valuable effect of vegetable oils in developing lipid nanocarriers that encapsulate lipophilic extract, 20<sup>th</sup> *Romanian International Conference on Chemistry and Chemical Engineering (20<sup>th</sup> RICCCE)*- S6-264;
6. Coc L., Lăcătușu I., **Badea N.**, Udeanu D., Pop A., Neagu C., Tanase I., Stan R., Meghea A., Nanostructured carriers based on lipid mediators and their therapeutic effects, 20<sup>th</sup> *Romanian International Conference on Chemistry and Chemical Engineering (20<sup>th</sup> RICCCE)*;
7. Lăcătușu I., **Badea N.**, Badea G., Popescu M., Moldoveanu L., Panteli M., Nanostructured lipid carriers co-loaded with hydrophil and lipophil actives, *13th International Conference on Nanosciences & Nanotechnologies (NN16)*, 2- 9.07.2016, Thessaloniki, Grecia.
8. **Badea N.**, Lacatusu I., Badea G., Meghea A., The efficiency of lipid nanocarriers in accommodation of hydrophilic plant mixture, Nanotechnology 2016, *13th Int. Conference on Nanosciences & Nanotechnologies (NN16)*, 2-9.07.2016, Thessaloniki, Grecia, pag 229.
9. Meghea A., Lacatusu I., **Badea N.**, Badea G., Novel nanostructured lipid carriers for co-encapsulation of selective plant extracts with enhanced pharmaco-cosmetic performance, *14<sup>th</sup> Int. Conference on Frontiers of Polymers and Advanced Materials (14<sup>th</sup> ICFPAM)*, 29.10.2016-06.11.2016, Daejeon, Coreea, pag. 155.
10. Stan R., Badea G., Ott C., Lăcătușu I., **Badea N.**, Effect of vegetable oils on co-encapsulation 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;

11. Stan R., Lacatusu I., **Badea N.**, Niculae G., Istrati D., Meghea A. Influence of various vegetable oils on designing appropriate lipid nanocarriers for encapsulation of *ivy leaves extract*, *13th Int. Conf. on Frontiers of Polymers and Advanced Materials (ICFPAM 2015)*, 30.03- 02.04.**2015**, Maroc.
12. Ott C., Lacatusu I., **Badea N.**, Badea G., Stan R., Meghea A., The valuable effect of vegetable oils on the improvement of hydrophilic extract encapsulation into lipid nanocarriers”, *Conf. Int. RICCCCE 19*, 02– 05.09.**2015**, Sibiu, Romania.
13. Stan R., Badea (Niculae) G., Brasoveanu L., Hotnog C., Lacatusu I., **Badea N.**, Cytotoxicity studies of 5-fluorouracil loaded into vegetable-based nanocarriers with photoprotective activity; *Romanian International Conference on Chemistry and Chemical Engineering (RICCCCE) 19*, 02-05 Sept. **2015**, Sibiu, Romania;
14. Bordei N., Lacatusu I., **Badea N.**, Badea G., Istrati D., Meghea A., Lipid nanocarriers loaded with various vegetable extracts from native Romanian flora, *Romanian International Conference on Chemistry and Chemical Engineering (RICCCCE) 19*, 02-05 Sept. **2015**, Sibiu, Romania.
15. Badea G., Lacatusu I., **Badea N.**, Stan R., Zalaru C., Meghea A., Promising new cationic lipid nanocarriers coated with hyaluronic acid used for tumor targeting; *Romanian International Conference on Chemistry and Chemical Engineering (RICCCCE) 19*, 2-5 Sept. **2015**, Sibiu, Romania.
16. 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, co-release and antitumor study, *12<sup>th</sup> International Conference on Nanosciences & Nanotechnologies (NN15)*, 07-10.07.**2015** Salonic, Grecia;
17. Meghea A, Badea G., Lacatusu I. **Badea N.**, Novel nanostructured lipid carriers for drug delivery by co-encapsulating synthetic and natural bioactive compounds”, *BIT's 5<sup>th</sup> Annual Symposium of Drug Delivery System-2015 New Horizons in Improved Drug Delivery Technology*, 20-22.10.**2015**, Beijing, China.
18. Meghea A., Badea G., Lacatusu I., **Badea N.**, 13<sup>th</sup> Annual Congress of International Drug Discovery Science & Technology, Therapy and Expo - IDDST **2015**, 20-22 October, Beijing, China.
19. **Badea N.**, Lacatusu I., Niculae G., Stan R., Meghea A., “*Antioxidant effect of Laurel leaf extract loaded into bioactive lipid nanostructure*”, *55<sup>th</sup> Int. Conf. on the Bioscience of Lipids*, 22 – 28.06.**2014**, Aberdeen, Scoția.
20. Lacatusu I., Niculae G., Ott C., **Badea N.**, Meghea A. “*Vegetable lipid nanocarriers for 5-fluorouracil and ethylhexyl salicylate delivery: A comparative study*”, *55th International Conference on the Bioscience of Lipids*, 22 – 28.06.**2014**, Aberdeen, Scoția.
21. Borș A., Lacatusu I., **Badea N.**, Stan R., Meghea A., Effect of savory oil on the antioxidant and antifungal properties of Nystatin loaded lipid nanocarriers, *4<sup>th</sup> International Colloids Conference*, 14 – 19.06.**2014**, Madrid, Spania.
22. Badea G., Lacatusu I., **Badea N.**, Meghea A., Evaluation of UV-Blocking and antioxidant activities of several vegetable oils in designing photoprotective nanostructured formulations, *4<sup>th</sup> International Workshop on Advanced Nano and Biomaterials and Their Device Application*, 17-21.09.**2014**, Iasi, România.
23. Lacatusu I., Niculae G., **Badea N.**, Popa O., Stan R., Meghea A. Nanocosmetic formulations based on bioactive squalene isolated from various vegetable sources, *18<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering*, September 4-7, **2013**, p. 40, Sinaia, Romania.

24. Lacatusu I., **Badea N.**, Stan R., Meghea A. “New type of bio-active lipid nanocarriers for stabilization and sustained release of nutraceuticals”, XI Int. Conference on Nanostructured Materials, 26-31 August **2012**, Rhodos, Grecia (poster).
25. Bunghez I. R., Barbinta-Patrascu M. E., Dumitrescu O., Ungureanu C., Ferdes M., **Badea N.**, Iordache S. M., Ion R. M., Green Synthesis and Characterization of Silver Nanoparticles from *Cornus Mas* L fruits, *1<sup>st</sup> International Conference on Analytical Chemistry RO-ICAC 2012: Analytical Chemistry for a Better Life*, September 18-21, 2012, Târgoviște, România;
26. Lacatusu I., **Badea N.**, Meghea A., “Cryoprotector Effect on Main Properties of Lipid Nanoparticles Loaded with Bio-active Compounds”, 11th ICFPM, 22-27 Mai **2011**, p. 285, Pretoria, Africa de Sud.
27. Barbinta Patrascu M. E., Baranga G., Cojocariu A., **Badea N.**, Tugulea L. “Nanobiomaterials based on carbon nanotubes and artificial lipid bilayers“, *11<sup>th</sup> NATIONAL CONFERENCE OF BIOPHYSICS with international participation*, November 10-12, 2011, SIBIU, ROMANIA, [www.prorec.ro/SRBPATM](http://www.prorec.ro/SRBPATM);
28. Bunghez I. R., Stoica R., Barbinta-Patrascu M. E., **Badea M N.**, Ion R. M., “Characterization of phenols, polyphenols and pigments from some medicinal plants and their health benefits”, authors, *5<sup>th</sup> International Conference on Polyphenols and Health (ICPH)*, Sitges (Barcelona), Spain, 17<sup>th</sup> - 20<sup>th</sup> October 2011
29. Lacatusu I., Murariu A., **Badea N.**, Meghea A. “Encapsulation Influence of Active Components into Lipid Nanoparticles. Comparalive Antioxidant Studies”, II International Workshop on Advanced, Nano- and Biomaterials, 15-19 Septembrie **2010**, Romania;
30. Lacatusu I., **Badea N.**, Murariu A., Meghea A. Encapsulation Influence of Ative Components into Lipid Nanoparticles. Comparative Antioxidant Studies, *2nd International Workshop on advanced Nano- and Biomaterials and Their Applications (NABM)*, 16-18 September **2010**, Sibiu, Romania, p.59;
31. Lacatusu I., **Badea N.**, Nita R., Giurgingca M., Meghea A. ”Non-surfactant templated silica-silsesquioxane modified materials – as host matrices for orange peel extract immobilization for bio-medical applications”, *The Exploratory Workshop on Advanced Materials & Technologies in Biology and Medicine*, 18-20 September **2008**, Poiana Brasov, Romania, p. 66 (oral presentation).
32. Lacatusu I., **Badea M.N.**, Murariu A., Sahraoui B., Meghea A. „New optical materials based on natural extracts immobilized in different silica polymeric matrices”, *2nd ICTON Mediterranean Winter Conference (ICTON-MW)*, 11-13 Decembrie **2008**, Marrakech, Maroc ISBN: 978-1-4244-3484-8, Book Series: ICTON Mediterranean Winter Conference, p. 34;
33. Lacatusu I., **Badea M.N.**, Murariu A., et al. „Encapsulating the Green Tea Extract by Templated Sol-Gel Procedure Based on Nonionic Tensioactive Agent of Alkenyl Succinic Anhydrides Class”, *2nd ICTON Mediterranean Winter Conference (ICTON-MW)*, DEC 11-13, **2008** Marrakech, Maroc, Book Series: ICTON Mediterranean Winter Conference, p. 90;
34. Lacatusu I., **Badea N.**, Murariu A., Meghea A., Iosub I., „The entrapment of ornamental bush extract in mesoporous silica materials templated with a neutral poly(ethyleneglycol) surfactant”, *1<sup>st</sup> International Workshop on Advanced, Nano- and Biomaterials and their Device Applications*, 17-21 September **2008**, Poiana Brasov, Romania, p. 59;
35. Lacatusu I., Vaca-Garcia C., **Badea N.**, Sahraoui B., Meghea A. „Effect of surfactants on stability of colloidal sols as precursors in sol-gel encapsulation with potential application in diagnostic and therapy”, *The Exploratory Workshop on Advanced Materials & Technologies in Biology and Medicine*, 18-20 September **2008**, Poiana Brasov, Romania, p. 58;

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37. Nita R.M., Lacatusu I., **Badea N.**, Meghea A. “Effect of vanadium solid lipid nanoparticles compositions on their size, anti UV and catalytic potential”, *International Conference on Functional Materials & Devices (ICFMD)*, 16-19 June **2008**, Kuala Lumpur, Malaysia, p. 184;
38. Meghea A., Lacatusu I., **Badea N.**, Nita R. „Multifunctional hybrid materials with different biomolecules encapsulated in a templated sol-gel matrix”, *Symposion Metalurgia International*, 7-8 Iuly **2008**, Brasov, Romania, ISSN 1582-2214;

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Prof. dr. ing. Nicoleta Badea