

Diseminarea rezultatelor – etapa 3/2024

Articole publicate

1. Brezoiu, A.-M.; Deaconu, M.; Mitran, R.-A.; Sedky, N.K.; Schiets, F.; Marote, P.; Voicu, I.-S.; Matei, C.; Ziko, L.; Berger, D. The Antioxidant and Anti-Inflammatory Properties of Wild Bilberry Fruit Extracts Embedded in Mesoporous Silica-Type Supports: A Stability Study. *Antioxidants* 2024, 13, 250. <https://doi.org/10.3390/antiox13020250>, WOS:001169894000001.
2. Deaconu, M.; Abduraman, A.; Brezoiu, A.-M.; Sedky, N.K.; Ioniță, S.; Matei, C.; Ziko, L.; Berger, D. Anti-Inflammatory, Antidiabetic, and Antioxidant Properties of Extracts Prepared from Pinot Noir Grape Marc, Free and Incorporated in Porous Silica-Based Supports. *Molecules* 2024, 29, 3122. <https://doi.org/10.3390/molecules29133122>.
3. M. Deaconu, A.-M. Prelipcean, A.-M. Brezoiu, R.-A. Mitran, A.-M. Seciu-Grama, C. Matei, D. Berger, *Design of Scaffolds Based on Zinc-Modified Marine Collagen and Bilberry Leaves Extract-Loaded Silica Nanoparticles as Wound Dressings*, *International Journal of Nanomedicine* 2024:19 7673–7689, doi:10.2147/IJN.S466905, WOS:001279557800001.
4. Abduraman, A.; Brezoiu, A.-M.; Tatia, R.; Iorgu, A.-I.; Deaconu, M.; Mitran, R.-A.; Matei, C.; Berger, D. Mesoporous Titania Nanoparticles for a High-End Valorization of Vitis vinifera Grape Marc Extracts. *Inorganics* 2024, 12, 263. <https://doi.org/10.3390/inorganics12100263>.

Participări la conferințe

1. M. Deaconu, A.-M. Prelipcean, A.-M. Brezoiu, R.-A. Mitran, C. Matei, D. Berger, *Complex composites based on collagen scaffold as wound dressings*, Biomaterials, Biodegradables and Biomimetics - 3Bs Materials International Conference, 6-8 martie 2024, Sevilla, Spania.
2. D. Berger, M. Deaconu, S. Ioniță, A.-M. Brezoiu, A.-M. Prelipcean, R.C. Popescu, C. Matei, M. Mihăilescu, D.I. Savu, *Biocomposites based on functionalized mesoporous silica*, rezumat publicat în *Advanced Materials and Methods for Healthcare and Pharmaceutical Industry*, 9th International Workshop of Materials Physics (IWMP), 14-16 mai 2024, Măgurele, România – conferință invitată
3. M. Deaconu, A.-M. Brezoiu, A.-M. Prelipcean, R.-A. Mitran, D. Berger, C. Matei, *Composite Materials Based on Mesoporous Silica Modified with Inorganic Nanoparticles with Enhanced Antibacterial Properties*, *European Congress of Applied Chemistry (ECAC24), Praga, 20-21 mai 2024*.
4. A.-M. Brezoiu, M. Deaconu, R.-A. Mitran, C. Matei, D. Berger, *Polyphenolic extracts from various raw-materials. Beneficial properties preservation through incorporation in mesoporous silica-type supports*, *International Chemical Engineering and Materials Symposium SICHEM 2024*, 11-12 Aprilie 2024, București.
5. M. Deaconu, M. Ghiuță, L. Ziko, N. Sedky, A.-M. Brezoiu, C. Matei, Daniela Berger, *Vaccinium sp. extracts encapsulated in hollow silica spheres - adjuvants in bacterial infections*, *International Conference New Trends in Applied Chemistry - CHIMIA 2024*, 29.05.2024-01.06.2024, Constanța, 2024.

6. M. Deaconu, A.M. Prelipcean, A.M. Brezoiu, A.M. Seciu-Grama, D. Berger, C. Matei, *Composite materials based on wild bilberry leaves extract encapsulated in mesoporous silica modified with inorganic nanoparticles with enhanced antibacterial properties*, 9th EuChemS Chemistry Congress, Dublin, 7-12 iulie 2024.
7. D. Berger, S. Ioniță, R.-C. Popescu, M. Deaconu, C. Matei, N. Tarbă, M. Mihailescu, D.-I. Savu, *Mesoporous silica functionalized with phenylboronic acid groups as carriers for targeted drug delivery*, 9th EuChemS Chemistry Congress, Dublin, iulie 2024.
8. A.-M. Brezoiu, M. Deaconu, R.-A. Mitran, C. Matei, D. Berger, *Investigating bilberry polyphenolic extracts composition depending on the extraction parameters and extract purification*, 23rd Romanian International Conference on Chemistry and Chemical Engineering, Constanța - Mamaia, ROMANIA - September 4–7, 2024.
9. D. Berger, M. Deaconu, A.-M. Prelipcean, A.-M. Seciu-Grama, A.-M. Brezoiu, M.a Ghiuță, A. G. Gheorghe, C. Matei, *Properties of Polyphenolic Extracts from Vaccinium sp. Free and Incorporated in Mesoporous Silica Modified with Inorganic Nanoparticles*, 23rd Romanian International Conference on Chemistry and Chemical Engineering, Constanța - Mamaia, ROMANIA - September 4 – 7, 2024.
10. A. Abduraman, M. Deaconu, A.-M. Brezoiu, R. Tatia, N. K. Sedky, L. Ziko, D. Berger, C. Matei, *Properties of Polyphenolic Extracts Free and Incorporated in Mesoporous Carriers*, 23rd Romanian International Conference on Chemistry and Chemical Engineering, Constanța - Mamaia, ROMANIA - September 4 – 7, 2024.
11. M. Deaconu, S. Ioniță, M.G. Moiescu, M. Mihailescu, C. Matei, D. Berger, *Therapeutic nanoplatfroms based on mesoporous silica nanoparticles coated with a natural polymer*, 23rd Romanian International Conference on Chemistry and Chemical Engineering, Constanța - Mamaia, ROMANIA - September 4 – 7, 2024.
12. M. Deaconu, M. Ghiuță, L. Zyko, N. Sedky, A.-M. Prelipcean, A.-M. Seciu-Grama, A.-M. Brezoiu, C. Matei, D. Berger, *Assisting wound healing using composite materials based on natural resources*, Medicines between Information and Life Sciences Conference, Academia Română, Bucharest, 23-24 September 2024.
13. A.G. Gheorghe, M. Deaconu, A.-M. Prelipcean, C. Matei, D. Berger, *Synthesis and characterization of mesoporous silica materials modified with metallic nanoparticles for biomedical applications*, Medicines between Information and Life Sciences Conference, Academia Română, Bucharest, 23-24 September, 2024.
14. M. Ghiuță, M. Deaconu, A.-M. Brezoiu, A.-M. Seciu-Grama, A. Gheorghe, C. Matei, D. Berger, *Mesoporous silica modified with inorganic nanoparticles as carriers for natural compounds*, International Symposium "Priorities of Chemistry for a sustainable development", PRIOCHEM XX – 2024, Bucharest, 16-18 October 2024.