

Articole publicate:

1. D. Dinculescu, C. L. Gîjiu, M.R. Apetroaei, R. Isopescu, I. Rău, V. Schröder, Optimization of Chitosan extraction process from *R. venosa* egg capsules waste using experimental design, *Materials*, 16(2), 525. <https://doi.org/10.3390/ma16020525>, WOS:000916189500001
2. V. Schröder, M. R. Apetroaei, I. M. Iancu, G. Mitea, R. M. Stoicescu, A. Honcea, V. Iancu, I. C. Bratu, H. Miresan, L. Enache, I. Rău, Antibacterial activity of chitosan and oligochitosan biofilms, The 11th IEEE International Conference on E-Health and Bioengineering - EHB 2023, 979-8-3503-2887-5/23, Bucharest, Romania.

Articol în evaluare

3. D. D. Dinculescu, M. R. Apetroaei, C. L. Gîjiu, M. Anton, L. Enache, V. Schröder, R. Isopescu, I. Rău, Simultaneous optimization of deacetylation degree and molar mass of chitosan from shrimp waste, *Polymers* (under review).

Articole în pregătire

4. L. Enache, M. Mihaly, N. Badea, M. Apetroaei, M. Anton, I. Rău, V. Schroder, NanoChitosan based materials with antioxidant properties
5. V. Schroder, M. Apetroaei, L. Enache, M. Anton, I. Rau, Optimal chitosan based formula for cell growth and microorganisms inhibition with extended applications

Manifestări științifice:

1. V. Schröder, G. Vochița, D. Gherghel, M. Apetroaei, L. Enache, I. M. Iancu, G. Mitea, V. Iancu, I. Rău, Chitosan-induced cytological effects on epithelial cells, *Congresul Național de Farmacie 2023 Ediția a XIX-a*, 27-29 Sept 2023, Cluj-Napoca, Romania, prezentare tip poster
2. V. Schröder, M. R. Apetroaei, I. M. Iancu, V. Iancu, I. Rău, Hydrogels based on blends of chitosan and PEG with marine applications, *Symposium with international participation „alternative and complementary therapies (homeopathy / Phytotherapy)” 7th edition*, October 27-28, 2023, Constanța – Romania, prezentare tip poster
3. V. Schröder, M. Apetroaei, L. Enache, I. M. Iancu, G. Mitea, R. M. Stoicescu, A. Honcea, V. Iancu, I. Rău, Evaluation of antimicrobial effects of chitosan from marine resources, *Symposium with international participation „alternative and complementary therapies (homeopathy / Phytotherapy)” 7th edition*, October 27-28, 2023, Constanța – Romania, prezentare tip poster
4. V. Schröder, M. R. Apetroaei, I. M. Iancu, G. Mitea, R. M. Stoicescu, A. Honcea, V. Iancu, I. C. Bratu, H. Miresan, L. Enache, I. Rău, Antibacterial activity of chitosan and oligochitosan biofilms, The 11th IEEE International Conference on E-Health and Bioengineering - EHB 2023, November 9-10, 2023, Bucharest, Romania, prezentare orală – lucrare acceptată și spre publicare
5. V. Schröder, M. R. Apetroaei, I. M. Iancu, G. Mitea, H. Mireșan, I. Rău, Bioavailability studies of chitosan molecules on crustacean species, *International Conference under the aegis of the Romanian Academy 44th anniversary symposium of the Institute of Cellular Biology and Pathology “Nicolae Simionescu” held jointly with 40th Annual scientific session of the Romanian society for cell biology International collaborative efforts to improve the management of cardiovascular diseases by performant technologies and personalized medicine* 16-18 November 2023, Bucharest-Romania, prezentare tip poster