

Published articles:

1. C. L. Gîjiu, R. Isopescu, D. Dinculescu, M. Memecică, M.R. Apetroaei, M. Anton, V. Schröder, I. Rău, Crabs Marine Waste – A Valuable Source of Chitosan: Tuning Chitosan Properties by Chitin Extraction Optimization, *Polymers*, 2022, **14**(21), Article number 4492, WOS:000882135700001
2. V. Schröder, M. R. Apetroaei, M. A. Anton, I. M. Iancu, I. Rău, Evaluation of Manganese Retention in the Crustacean Tissue and its Implications for Chitin Product and Applications, 2021 International Conference on e-Health and Bioengineering (EHB), 2021, pp. 1-4, doi: 10.1109/EHB52898.2021.9657691, WOS:000802227900151

Article in evaluation:

3. 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*, in evaluation

Scientific events:

1. V. Schröder, M.R. Apetroaei, I. Rău, M. Anton, L. Gîjiu, D. Dinculescu, R. Isopescu, B. F. Nițu, Chitosan interaction with biological systems – molar mass influence, 22<sup>nd</sup> Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 22), Sinaia, Romania-poster presentation.
2. C. L. Gîjiu, R. Isopescu, D. Dinculescu, M. Memecică, M. R. Apetroaei, M. Anton, V. Schröder, I. Rău, Optimization of Chitin Extraction to Obtain Chitosan with Tailored Properties, 22<sup>nd</sup> Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 22), Sinaia Romania-poster presentation.
3. M. Anton, I. Rău, M. Apetroaei, V. Schröder, Identifying the potential for recovery and quantification of marine waste from food and environment, 22<sup>nd</sup> Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 22), Sinaia Romania-poster presentation.
4. M.O. Memecică, A.M. Albu, I. Rău, R.C Fierăscu, Tailoring the organizational versatility in the chemical modification of chitosan, 22<sup>nd</sup> Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 22), Sinaia Romania-poster presentation.
5. M.-R. Apetroaei, I. Rău, M. Anton, L. Gîjiu, D. Dinculescu, R. Isopescu, V. Schröder, Chitosan - a significant valorized marine resource at the romanian black sea coast, 1<sup>st</sup> International Joint Conference MARBLUE 2022, 26 – 28 October, Constanta, Romania-oral presentation.
6. V. Schröder, M. M. Apetroaei, I. M. Iancu, I. Rău, Genotoxicity profile of recycle chitosan from raw waste of romania coastal waters, 1<sup>st</sup> International Joint Conference MARBLUE 2022, 26 – 28 October, Constanta, Romania- poster presentation.
7. V. Schröder, M. Apetroaei, N. Dobrin, C. Stefanov, C.-V. Mihali, I. Rău, Biomechanical, biochemical and physical-chemical characteristics of *rapana venosa valenciennes*, 1846 (*gastropoda, mollusca*) egg capsules, 1<sup>st</sup> Int. Joint Conference MARBLUE 2022, 26 – 28 October, Constanta, Romania, poster presentation.