

PhD. Student Eng. Andreea Miron
List of papers that include data from the thesis

PAPERS LIST

1. Miron, A.; Sarbu, A.; Zaharia, A.; Sandu, T.; Iovu, H.; Fierascu, R.C.; Neagu, A.-L.; Chiriac, A.-L.; Iordache, T.-V. *A Top-Down Procedure for Synthesizing Calcium Carbonate-Enriched Chitosan from Shrimp Shell Wastes*. Gels 2022, **8**, 742., **Q1, IF=4.6**

2. Miron, A.; Sarbu, A.; Sandu, T.; Gavrilă, A.-M.; Baroi, A.M.; Chiriac, A.-L.; Iordache, T.-V.; Iovu, H. *Innovative Alginate-Based Hybrid Composite Beads For Heavy Metals Removal* U.P.B. Sci. Bull., **Series B. Q4, IF=0.5**

3. Miron, A.; Iordache, T.-V.; Valente, A.J.M.; Durães, L.M.R.; Sarbu, A.; Ivan, G.R.; Zaharia, A.; Sandu, T.; Iovu, H.; Chiriac, A.-L. *Chitosan-Based Beads Incorporating Inorganic–Organic Composites for Copper Ion Retention in Aqueous Solutions*. International Journal of Molecular Sciences 2024, **25**, 2411. **Q1, IF=5.6**

SCIENTIFIC MEETINGS ATTENDED

Andreea MIRON, Cesar FILHO, Radu FIERĂSCU, Iulia NEBLEA, Anita-Laura CHIRIAC, Andrei SÂRBU, Horia IOVU, Tanța Verona IORDACHE, „*Calcium Carbonate Enriched-Chitosan Prepared from Shrimp Shell Waste*”, Simpozion Internațional Prioritățile Chimiei pentru o Dezvoltare Durabilă PRIOCHEM – editia XVII, 27- 29 Octombrie 2020, București, România, Poster

2. Andreea Miron, Tanța-Verona Iordache, Sorin-Viorel Dolana, Marinela Dumitru, Ana-Mihaela Gavrilă, Anamaria Zaharia, Horia Iovu, Anita-Laura (Radu) Chiriac, “*Novel Nanocomposites Based On Mesoporous Titania/Acrylonitrile Obtained By Host-Guest Method*” NanoBioMAT 2022, Poster

3. Andreea MIRON, Sorin DOLANA, Ana-Mihaela GAVRILA, Anamaria ZAHARIA, Teodor SANDU, Andrei SÂRBU, Artur JM VALENTE, Eva BERNARDINO, Tanța-Verona IORDACHE, Anita-Laura CHIRIAC, „*Efficient Copper Removal from Simulated Wastewaters Using Alginate-Based Polymeric Beads*” Exploratory Workshop Next Chem ed. V Bucuresti, 22-23 May 2023, 5th edition, Bucharest, Romania, Prezentare Orală

4. Andreea MIRON, Iulia NEBLEA, Marinela-Victoria DUMITRU, Ana-Lorena NEAGU, Artur JM VALENTE, Anamaria ZAHARIA, Ana-Mihaela GAVRILĂ, Tanța-Verona IORDACHE, Anita-Laura CHIRIAC, *Synthesis and Evaluation of Novel Chitosan-Based Materials for Efficient Removal of Heavy Metal Ions from Wastewaters*, Exploratory Workshop Next Chem V ed. Bucuresti, 22-23 May 2023, 5th edition, Bucharest, Romania, Prezentare orală

5. Andreea MIRON, Iulia NEBLEA, Sorin DOLANA, Anamaria ZAHARIA, Ana-Mihaela GAVRILA, Artur JM VALENTE, Tanta-Verona IORDACHE, Anita-Laura CHIRIAC, *Advanced adsorbent materials for remediation of contaminated waters with heavy metals by enhanced adsorption mechanisms*, International symposium, Simpozion Internațional Prioritățile Chimiei pentru o Dezvoltare Durabilă PRIOCHEM – editia XIX, 11-13 octombrie 2023; Bucharest, Poster

NATIONAL PATENTS

1. Miron Andreea, Chiriac Anita-Laura, Sarbu Andrei, Sandu Teodor, Iordache Tanta-Verona, Zaharia Anamaria, Gavrilă Ana-Mihaela, Dolana Sorin Viorel, „Perle polimerice organic- anorganice pe bază de chitosan, pentru reținerea ionilor de cupru din ape și procedeu de preparare a acestora”, A 2023 -00599/24.10.2023