

**Drd. Chim. Marinela-Victoria DUMITRU**  
**Lista lucrări ce cuprind datele din teză**

## **LISTA DE LUCRĂRI**

**1. M.-V. Dumitru**, T. Sandu, A. Miron, A. Zaharia, I. C. Radu, A.-M. Gavrilă, A. Sârbu, H. Iovu, A.-L. Chiriac și T. V. Iordache, *Hybrid Cryogels with Superabsorbent Properties as Promising Materials for Penicillin G Retention*, Gels **2023**, 9, 443, <https://doi.org/10.3390/gels9060443>.(IF<sub>2023</sub>=4,6)

**2. M.-V. Dumitru**, S. Teodor, A. Miron, T.V. Iordache, H. Iovu, A.-L. Chiriac, *Molecularly imprinted biopolymer cryogels-like materials for Penicillin G retention*, U.P.B. Sci. Bull., Series B, 85,4, (2023), ISSN 1454-2331, IF=0,5

**3. M.-V. Dumitru**, A.-L. Neagu, A. Miron, M. I. Roque, L. Durães, A. Sarbu, H. Iovu, A.-M. Gavrilă, A.-L. Chiriac, T. V. Iordache, *Retention of ciprofloxacin and carbamazepine from aqueous solutions using chitosan-based composite cryostructured*, Polymers **2024**, 16, 639 <https://doi.org/10.3390/polym16050639> (IF<sub>2023</sub>=5,0)

### **Brevet**

Chiriac Anita-Laura, Iordache Tanta-Verona, **Marinela Victoria DUMITRU**, Miron Andreea, Sandu Teodor, Sarbu Andrei, Gavrilă Ana-Mihaela, Zaharia Anamaria. „*Criogeluri hibride superadsorbante pe baza de polimeri naturali si argile silanizate si procedeu de obtinere a acestora*”, A/00651/27.10.2021. Diploma și Medalie Argint în cadrul Japan Design, Idea&Invention Expo 2023.

### **PARTICIPĂRI LA MANIFESTĂRI ȘTIINȚIFICE**

**1. M.-V. Dumitru**, T. Sandu, A. Sarbu, A. Miron, A. E. Coman, R. E. Botez, M. Duldner, H. Iovu, T. V. Iordache, *Hybrid cryogels with advanced adsorbent properties for sulfadiazine*, Bucharest Polymer Conference (BPC), 2nd Edition, 9-11 June 2021, Bucharest, Romania (Prezentare orală online).

**2. M.-V. Dumitru**, T. Sandu, I. E. Neblea, A.-L. Chiriac, I. C. Radu, H. Iovu, A. Sarbu, T.V. Iordache, *Hybrid Cryogels with Advanced Adsorbent Properties for Penicillin*, The International Symposium “Priorities of Chemistry for a Sustainable Development”- editia XVII, 27- 29 Octombrie 2020, Bucuresti, Romania (Poster).

**3. M.-V. Dumitru**, T.V. Iordache, A. Miron, T. Sandu, S. V. Dolana, H. Iovu, A.Sarbu, A.L. Chiriac, *Molecularly imprinted supermacroporous cryogels for penicillin G adsorption*, Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2022 – Summer Edition, 22-24 June 2022, (Poster online)

**4. M.-V. Dumitru**, T.V. Iordache, I. E. Neblea, E. B. Stoica, T. Sandu, A.Sarbu, A.M. Gavrilă, A.L. Chiriac, *Molecularly imprinted supermacroporous cryogels for penicillin g adsorption*, 4-7 octombrie 2022, Conferința Națională de la Vâlcea (Prezentare orală)

**5. M.-V. Dumitru**, A. Miron, T. Sandu, H. Iovu, A.-L. Neagu, S. Dolana, A. Zaharia, A.-L. Chiriac, T.V. Iordache, *Cryogels Based on Chitosan for Antibiotics Retention*, Exploratory Workshop Next Chem V ed. Bucuresti, 22-23 May 2023, 5<sup>th</sup> edition, Bucharest, Romania, (Prezentare orală)

**6. M.-V. Dumitru**, A. Miron, A. Sarbu, M. I. Roque, H. Iovu, A.-L. Neagu, A. Zaharia, A.M. Gavrilă, A.L.Chiriac, T.V. Iordache, *Supermacroporous Cryogels as Promising Materials for Antibiotics Retention*, International Scientific Conference on “Applications of Chemistry in Nanosciences and Biomaterials Engineering” NanoBioMat 2023 – Summer Edition 28-30 June 2023, Bucuresti, (Poster online).