

MEMORIU ȘTIINȚIFIC
Drd. Ing. Geani-Teodor MAN

Studii de doctorat

Perioada: 2022 - 2026

Conducător științific: Prof. Dr. Ing. Gheorghe NECHIFOR

Domeniu: Inginerie Chimică

Titlul tezei de doctorat: „**Contribuții la studiile experimentale privind rejectia anionului nitrat în urme din apă și recuperarea toriului din matrici metalice utilizând membrane compozite de nanofiltrare**”

Activitate științifică

A. Lista de lucrări științifice (articole în reviste sau volume)

Lista lucrărilor publicate de ing. Geani-Teodor MAN incluse în teza de doctorat

1. Razvan, A., **Man, G. T.**, Dumitru, F., Pandele, M., Trusca, R., Motelica, L., ... & Nechifor, G.* (2024). Nanocomposite membranes prepared from cellulose acetate or polysulfone with Ag0 nanoparticles and nitron reagent for nitrate ion removal. *Desalination and Water Treatment*, 318, 100400. <https://doi.org/10.1016/j.dwt.2024.100400> **FIC=0,8; Citări 6**
2. Man, G. T., Albu, P. C., Popescu, D. I., Marinescu, V.E. & Nechifor, A. C. (2024). Thorium Recovery from the Tungsten Welding Electrodes by Electrolysis and Nanofiltration. *U.P.B. Sci. Bull., Series B*, 86(2), pp.81-92, **FIC=0,3;**
3. Man, G. T., Albu, P. C., Nechifor, A. C., Grosu, A. R., Tanczos, S.-K., Grosu, V.-A., Ioan, M.-R., & Nechifor, G.* (2023). Thorium Removal, Recovery and Recycling: A Membrane Challenge for Urban Mining. *Membranes*, 13(9), 765. <https://doi.org/10.3390/membranes13090765> **FIC=3,6; Citări 17**
4. **Man, G. T.**, Albu, P. C., Nechifor, A. C., Grosu, A. R., Popescu, D. I., Grosu, V.-A., Marinescu, V. E., & Nechifor, G.* (2024). Simultaneously Recovery of Thorium and Tungsten through Hybrid Electrolysis–Nanofiltration Processes. *Toxics*, 12(2), 103. <https://doi.org/10.3390/toxics12020103> **FIC=4,1; Citări 5**
5. Nechifor, A. C., Albu, P. C., Motelica, L., **Man, G. T.**, Grosu, A. R., Tanczos, S.-K., Grosu, V.-A., Marinescu, V. E., & Nechifor, G.* (2024). Thorium Recovery with Crown Ether–Polymer Composite Membranes. *Applied Sciences*, 14(21), 9937. <https://doi.org/10.3390/app14219937> **FIC=2,5**
6. **Man, G. T.**, Iordache, A. M., Popescu, D. I., Zgavarogea, I. R., & Șuțan, N. A. (2026). Thorium Valorization at the Interface of Technology, Risk, and Sustainability. *Toxics*, 14(3), 193. <https://doi.org/10.3390/toxics14030193>. **FIC=4,1**

Lista lucrărilor publicate de ing. Geani-Teodor MAN neincluse în teza de doctorat

1. **Man, G. T.**, Iordache, A. M., Zgavarogea, R., & Nechita, C. (2024). Recycling Lithium-Ion Batteries—Technologies, Environmental, Human Health, and Economic Issues—Mini-Systematic Literature Review. *Membranes*, 14(12), 277. <https://doi.org/10.3390/membranes14120277> **FIC=3,6; Citări 11**
2. Albu, P. C., Pîrțac, A., Motelica, L., Nechifor, A. C., **Man, G. T.**, Grosu, A. R., ... & Nechifor, G. (2024). Reduction in Olfactory Discomfort in Inhabited Premises from Areas with Mofettas through Cellulosic Derivative—



3. Pașcu, D., Nechifor, A. C., Grosu, V.-A., Oprea, O. C., Tanczos, S.-K., **Man, G. T.**, Dumitru, F., Grosu, A. R., & Nechifor, G. (2023). Hydrogen Sulphide Sequestration with Metallic Ions in Acidic Media Based on Chitosan/sEPDM/Polypropylene Composites Hollow Fiber Membranes System. *Membranes*, 13(3), 350. <https://doi.org/10.3390/membranes13030350>. **FIC=3,6; Citări 2**

4. Goran, A., Abdalraheem AL-ANI, H. N., Grosu, A. R., **Man, G. T.**, Grosu, V. A., & Nechifor, A. C. (2023). Lead-cadmium ions recuperative separation by chitosan-sepdm-polypropylene hollow fiber composite membranes. *Studia Universitatis Babes-Bolyai, Chemia*, 68(2), p. 193 **FIC=0,3**

C. Participări la conferințe/workshop-uri

Ing. Geani-Teodor MAN participări la conferințe și simpozioane

1) Processes in Isotopes and Molecules – PIM 2023- International Conference 19-22 September 2023 -Cluj Napoca- Poster presentation-Valorization of Agro-Industrial Residues through the Production of bioproducts with added value in the circular bioeconomy system - **G.T. Man**, C.T. Ciucure, O.R. Botoran, R.E. Ionete, E.I. Geana;

2) 24TH INTERNATIONAL CONFERENCE “NEW CRYOGENIC AND ISOTOPE TECHNOLOGIES FOR ENERGY AND ENVIRONMENT” OCTOBER 18-20, 2023 BĂILE GOVORA, ROMÂNIA –(international conference), Poster presentation - Thorium removing from electric and electronic waste - **Geani Teodor Man**, Aurelia Cristina Nechifor, Alexandra Raluca Grosu, Diana Ionela Popescu (Stegarus) , Vlad-Alexandru Grosu , Gheorghe Nechifor;

3) The 23rd Romanian International Conference on Chemistry and Chemical Engineering (RICCCE), 4-7 september 2024 Mamaia (Constanta)-Oral presentation-Technology Aspects of Thorium Recuperative Separation-**Geani Teodor Man**, Gheorghe Nechifor;

4) 16th International Exergy, Energy and Enviroment Symposium (IEES-16)

16thINTERNATIONAL CONFERENCE ON HYDROGEN PRODUCTION - Craiova, 14-18 December-2025 - Poster presentation- Thorium: Extraction Techniques, Utilization Potential, Enviromental Dynamics, and Health risks- Ramona Zgavarogea, **Geani Teodor Man**, Diana Ionela Popescu (Stegarus), Nadia Paun, Nicoleta Anca Sutan.

Student-doctorand
Geani-Teodor MAN

