

## MEMORIU ȘTIINȚIFIC

Drd. Preda Daniel

### Studii de doctorat

Perioada: 01.10.2021-30.09.2026

Conducător științific: Prof. Dr. Ing. Radu Gabriel-Lucian

Domeniu: Chimie

Titlul tezei de doctorat: Tehnici analitice avansate de detecție a medicamentelor

### Activitate științifică

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

1. **D. Preda**, I. G. David, D. E. Popa, M. Buleandra, and G. L. Radu, "Recent Trends in the Development of Carbon-Based Electrodes Modified with Molecularly Imprinted Polymers for Antibiotic Electroanalysis," *Chemosens.* 2022, Vol. 10, Page 243, vol. 10, no. 7, p. 243, Jun. 2022
2. **D. Preda**, M. L. Jinga, I. G. David, and G. L. Radu, "Determination of Dipyrindamole Using a MIP-Modified Disposable Pencil Graphite Electrode," *Chemosensors*, vol. 11, no. 7, 2023
3. **D. Preda**, G. L. Radu, I. G. David, "Curcumin based MIP Electropolymerized on Single-Use Graphite Electrode for Dipyrindamole Analysis" *Molecules*. 2024. Vol.29 , vol. 19, page 4630
4. **D. Preda**, A.Matei, M-C. Cheregi, E-E. Iorgulescu, G. L. Radu, I. G. David Oxytetracycline electrochemical determination at disposable pencil graphite electrode, 2025, U.P.B. Sci. Bull., Seria B, Vol. 87, Iss. 1
5. E. Vacalie, **D. Preda**, P. Oancea, A. R. Leonties, L. Aricov, and A. Raducan, "Effective degradation of azo dyes by ABTS (2,2'-azino-bis (3-ethylbenzothiazoline-6-sulfonic acid)) mediated laccase. Kinetic studies," *Process Biochem.*, vol. 145, pp. 311–319, Oct. 2024
6. L. Dimitriu, D. Constantinescu-Aruxandei, **D. Preda**, I. Moraru, N. E. Băbeanu, and F. Oancea, "The Antioxidant and Prebiotic Activities of Mixtures Honey/Biomimetic NaDES and Polyphenols Show Differences between Honeysuckle and Raspberry Extracts," *Antioxidants*, vol. 12, no. 9, p. 1678, Sep. 2023,
7. Dimitriu, L.; Constantinescu-Aruxandei, D.; **Preda, D.**; Nichițean, A.-L.; Nicolae, C.-A.; Faraon, V.A.; Ghiurea, M.; Ganciarov, M.; Băbeanu, N.E.; Oancea, F. Honey and Its Biomimetic Deep Eutectic Solvent Modulate the Antioxidant Activity of Polyphenols. *Antioxidants* **2022**
8. L. Dimitriu, **D. Preda**, D. Constantinescu-Aruxandei, and F. Oancea, "Quince Pomace: A Source of Fiber Products and Polyphenols," p. 6, 2023
9. Luminița DIMITRIU, **Daniel PREDA**, Diana CONSTANTINESCU-ARUXANDEI, Florin OANCEA, & Narcisa BĂBEANU. (2021). OPTIMIZATION OF ULTRASOUND-ASSISTED EXTRACTION OF POLYPHENOLS FROM HONEYSUCKLE (*Lonicera caprifolium*). *AgroLife Scientific Journal*, 10(2).
10. **Preda, D.**; Popa, D.-G.; Constantinescu-Aruxandei, D.; Oancea, F. Enhancement of Lignolytic Enzyme Activity in Ganoderma Lucidum by Co-Cultivation with Bacteria. *Chem. Proc.* **2022**, 7, 7035

#### B. Participări la conferințe/workshop-uri

1. D. Preda, M. L. Jinga, G. L. Radu, I. G. David „Disposable MIP-based electrochemical sensor for sensitive determination of dypiridamole” - 10th conference „CHIMIA” 2024 Constanța, România, poster

2. D. Preda, A. Matei, M-C. Cheregi, E-E. Iorgulescu, G. L. Radu, I. G. David „Oxytetracycline analysis at disposable pencil graphite electrode” - 10th conference „CHIMIA” 2024 Constanța, România, poster
3. D. Preda, M. L. Jinga, G. L. Radu, G. I. David „Determination of dipyrindamole by disposable MIP-based electrochemical sensor” – 23rd Romanian International Conference on Chemistry and Chemical Engineering, poster
4. M. L. Jinga, D. Preda, M. Doni, L-G. Zamfir, A-M. Gurban, I. G. David, Optimization study for indirect voltammetric determination of cortisol” - 10th conference „CHIMIA” 2024 Constanța, România, prezentare orală
5. M. L. Jinga, L-G. Zamfir, P. Epure, D. Preda, M. Constantin, I. Răuț, M-L Jecu, , M. Doni A-M. Gurban, I. G. David „Design and development of MIP based electrochemical sensor for cortisol detection” – Symposium „Proprieties of Chemistry for Sustainable Development” PRIOCHEM 2023 – prezentare orală
6. M. L. Jinga, D. Preda, G. L. Radu, P. Oancea, A. Răducan „The influence of caffeic acid in laccase-dipyrindamole system” - 10th conference „CHIMIA” 2024 Constanța, România, poster

Student-doctorand

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