

PERSONAL INFORMATION **Emilia-Elena IORGULESCU**

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Sex F | Date of birth— optional | Nationality Romanian

WORK EXPERIENCE

- 2024 - present** **Associated professor**
University of Bucharest, Panduri Street, No. 90-92, Bucharest, www.unibuc.ro
Teaching and research
Faculty of Chemistry, Department of Analytical and Physical Chemistry
- 2002- 2024** **Lecturer**
University of Bucharest, Panduri Street, No. 90-92, Bucharest, www.unibuc.ro
Teaching and research
Faculty of Chemistry, Department of Analytical and Physical Chemistry
- 1998 - 2002** **Assistant**
University of Bucharest, Panduri Street, No. 90-92, Bucharest, www.unibuc.ro
Faculty of Chemistry, Department of Analytical and Physical Chemistry
- 1996 - 1998** **Teaching professor**
University of Bucharest, Panduri Street, No. 90-92, Bucharest, www.unibuc.ro
Faculty of Chemistry, Department of Analytical and Physical Chemistry

EDUCATION AND TRAINING

- 1996 - 2003** **PhD in Chemistry** EQF Level 8
Name and type of organisation University of Bucharest, Faculty of Chemistry
Principal subjects skills covered **Thesis Title - The Study of Electrochemical and Electroanalytical Behaviour of Some Biological and Pharmaceutical Compounds**
- 1995-1996** **Master of Science/** EQF Level 7
Name and type of organisation University of Bucharest, Faculty of Chemistry/ Optimisation of Analytical Control and Quality Assurance
Principal subjects skills covered Thesis Title: Electroanalytical study of minocycline and derivatives behaviour
- 1990-1995** **Bachelor of Science** EQF Level 6
Name and type of organisation University of Bucharest, Faculty of Chemistry
Principal subjects skills covered Chemistry /Analytical chemistry

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

UNDERSTANDING

SPEAKING

WRITING

Listening

Reading

Spoken interaction

Spoken production

English

B2

B1

B2

B2

B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

EXPERTISE FIELD

- Analytical Chemistry
- Bioelectrochemistry
- Drug Analysis
- Sensors and Biosensors
- Electrochemical studies of the biologically active metal complexes

EXTRACURRICULAR ACTIVITIES

Administrative Activities as: Assistant Dean (2013-2023) - coordination of academic programs and curriculum development, support in accreditation, quality assurance, involvement in faculty management, budgeting; Dean (2024-present): strategic leadership and overall management of the Faculty of Chemistry, development and implementation of the faculty's academic and research vision, oversight of financial planning, infrastructure, and human resources, supporting excellence in teaching and research, promoting faculty visibility and impact through conferences, publications, and community engagement.

MENTOR OF STUDENTS

- Bachelor- 12 students (last 5 years)
- Master of Science-10 students (last 5 years)

ISI PUBLICATIONS

1. Curcumin Electrochemistry-Antioxidant Activity Assessment, Voltammetric Behavior and Quantitative Determination, Applications as Electrode Modifier, David, I.G., [Iorgulescu, E.E.](#), Popa, D.E., Cheregi, M.C., Noor, H., Antioxidants, 12(11), ([Link](#)), 2023, (F.I. = 7,00)
2. (Bio)electroanalysis of microtubule-targeting agents used in cancer chemotherapy, Elena Popa, D., Gabriela David, I., Carmen Cheregi, M., [Elena Iorgulescu, E.](#), Buleandă, M., Microchemical Journal, 192, 108965 ([Link](#)), 2023, (F.I. = 4,8)
3. State of the Art on Developments of (Bio)Sensors and Analytical Methods for Rifamycin Antibiotics Determination, Noor, H., David, I.G., Jinga, M.L., Popa, D.E., Buleandra, M., [Iorgulescu, E.E.](#), Ciobanu, A.M., Sensors 23, (2), 976 ([Link](#)), 2023, (F.I. = 3,9)
4. Past and Present of Electrochemical Sensors and Methods for Amphenicol Antibiotic Analysis, David, I.G., Buleandra, M., Popa, D.E., Cheregi, M.C., [Iorgulescu, E.E.](#), Micromachines, 13, 5, 677 ([Link](#)), 2023, (F.I. = 3,4)
5. Recent Developments in Voltammetric Analysis of Pharmaceuticals Using Disposable Pencil Graphite Electrodes, David, I.G., Buleandra, M., Popa, D.E., Cheregi, M.C., David, V., [Iorgulescu, E.E.](#), Tartareanu, G.O., Processes, 10, 3, 472 ([Link](#)), 2022, (F.I. = 3,5)
6. Insights into Structure and Biological Activity of Copper(II) and Zinc(II) Complexes with Triazolopyrimidine Ligands, Argăseală, A., Maxim, C., Badea, M., Ioniță, L., Chifiriuc, M.C., Rostas, A.M., Bacalum, M., Răileanu, M., Ruță, L.L., Farcașanu, I.C., [Iorgulescu, E.E.](#), Olar, R., Molecules, 27, 3, 765 ([Link](#)), 2022, (F.I. = 4,6)
7. Disposable pencil graphite electrode for diosmin voltammetric analysis, David, I.G., Oancea, A.-G., Buleandă, M., Popa, D.E., [Iorgulescu, E.E.](#), Ciobanu, A.M., Micromachines, 12, 4, 351 ([Link](#)), 2021, (F.I. = 3,523)
8. Insight on Ni(II) and Cu(II) complexes of biguanide derivatives developed as effective antimicrobial and antitumour agents, Badea, M., Grecu, M.N., Chifiriuc, M.C., Bleotu, C., Popa, M., [Iorgulescu, E.E.](#), Avram, S., Uivarosi, V., Munteanu, A.-C., Ghica, D., Olar, R., Applied Organometallic Chemistry, 35, 4, e6155 ([Link](#)), 2021, (F.I. = 4,072)
9. Experimental variability and data pre-processing as factors affecting the discrimination power of some chemometric approaches (PCA, CA and a new algorithm, [Iorgulescu, E.](#), Voicu, V.A., Sârbu, C., Tache, F., Albu, F., Medvedovici, A., Talanta, 155, 133-144 ([Link](#)), 2016, (F. I. = 4,162)
10. Voltammetric determination of B1 and B6 vitamins using a pencil graphite electrode, David, I.G., Florea, M.-A., Cracea, O.G., Popa, D.E., Buleandra, M., [Iorgulescu, E.E.](#), David, V., Badea, I.A., Ciucu, A.A., Chemical Papers, 69, 7, 901-910 ([Link](#)), 2015, (F. I. = 1,326)

CHAPTER OF
BOOKS
RESEARCH
PROJECTS
NATIONAL
AWARDS AND
DISTINCTIONS

-
- 2 international projects as team member
- 13 national projects as team member
- **Young Researcher Diploma** – Symposium “*Diversity in Organism Development: A Source of Creativity and Biotechnological and Socioeconomic Valorization*”, Institute of Developmental Biology, Bucharest, 1995.
- **Honorary Diploma**, Romanian Chemical Society – for outstanding contributions to the promotion of chemistry, 2015.
- **University of Bucharest Senate Award** – Best Journal in the field of Exact Sciences and Engineering, 2023.