

PERSONAL INFORMATION

Mădălina Valentina SĂNDULESCU-TUDORACHE

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Sex F | Date of birth 28/02/1974 – optional | Nationality Romanian

WORK EXPERIENCE

- 2020-present** **Associated professor**
University of Bucharest, Panduri Street, No. 90-92, Bucharest, www.unibuc.ro
Teaching and research
Faculty of Chemistry, Department of Inorganic and Organic Chemistry, Biochemistry and Catalysis
- 2007-2020** **Lecturer**
University of Bucharest, Panduri Street, No. 90-92, Bucharest, www.unibuc.ro
Teaching and research
Faculty of Chemistry, Department of Inorganic and Organic Chemistry, Biochemistry and Catalysis
- 2006-2007** **Researcher**
University of Bucharest, Panduri Street, No. 90-92, Bucharest, www.unibuc.ro
Research - Faculty of Chemistry, LaborQ Centre
- 1999-2005** **Researcher**
Lund University, Sweden
Faculty of Science, Department of Analytical chemistry

EDUCATION AND TRAINING

- | | | |
|--|---|-------------|
| 2025
Name and type of organisation
Principal subjects skills covered | Habilitation in Chemistry
University of Bucharest, Faculty of Chemistry
Thesis Title: Expanding the toolbox of biocatalysis. Enzymatic system for valorization of renewable/residual C sources | EQF Level 8 |
| 2002-2004
Name and type of organisation
Principal subjects skills covered | PhD in Chemistry
Lund University, Faculty of Science
Thesis Title: Immuno-affinity interactions in sample preparation and analysis | EQF Level 8 |
| 1998-2002
Name and type of organisation
Principal subjects skills covered | Master of Science
University of Bucharest, Faculty of Chemistry
Thesis Title: Biosensors for the environmental monitoring | EQF Level 7 |
| 1996-2001
Name and type of organisation
Principal subjects skills covered | Bachelor of Science
University of Bucharest, Faculty of Chemistry
Analytical chemistry | EQF Level 6 |

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

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

EXPERTISE FIELD

- Biochemistry
- Biocatalysis
- Biomass valorization
- Green Chemistry

EXTRACURRICULAR ACTIVITIES

Activities for improving the faculty visibility (Chimia prieten sau dușman, Noaptea cercetătorilor, Student pentru o zi), coordinator of bachelor program (Chimie biotehnologica), member of PhD committees.

MENTOR OF STUDENTS

- Bachelor- 22 students (last 5 years)
- Master of Science-13 students (last 5 years)

RESEARCH PROJECTS (LAST 10 YEARS)

- 13 projects as coordinator
- 25 projects as team member
- 1 UB project

DISEMINATION ACTIVITY

- 5 book chapters
- 63 ISI papers și 4 ISI proceedings
- h index = 19 (Clarivate Web of Science)
- 70 oral presentations and 84 posters for scientific events