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Moldavian
04.02.1986
Female

WORKPLACE Research Laboratories Ecological Chemistry and modern chemical technologies

SCIENCE FIELD Ecological chemistry, environmental protection, innovative materials, technologies and products, biotechnology, biomedicine

RESEARCH AREA Water treatment, surface water quality, industrial wastewater treatment, elaboration of new products for inhibition in the endogenous synthesis of carcinogenic compounds formed when nitrosating drugs

WORK EXPERIENCE **Research and Innovation**

August 2022 –present Ambassador - trainer of science
Employer Name Academy of Sciences of Moldova (ASM), 1, Stefan cel Mare bd., MD-2001, Chisinau , MD, <http://www.asm.md>

January 2013 – present Researcher
January 2011 – December 2013 Research Trainee
September 2008 – December 2010 Engineering Coordinator
Employer Name Moldova State University (MSU), 60, Alexie Mateevici str., Chisinau, MD-2009, www.usm.md

SUMMARY OF PUBLICATIONS

National Monograph 1 (co-author)
1 (author)

Chapters in the book National – 1
International – 4

Research Articles Category A – 2
Category B – 16
Category C – 4
Others category – 4

Abstract and Reports National – 23
International – 35

Patents 1

WORK EXPERIENCE **Education**

September 2011- June 2013 Chemistry teacher in high school classes
Employer Name PERSPECTIVA-PRIM High School, 75, Alba Iulia str., Chisinau, MD-2071, university@perspectiva.md, www.perspectiva.md

EDUCATION

November 2022 Doctor in Philosophy Chemical Science 145.01 – ecological chemistry, Faculty of Chemical and Technological chemistry, MSU

May 2022- June 2022 Learning exercise through interuniversity collaboration, MSU

February 2014 – September 2016 The Psycho-Pedagogical Training Programme, MSU

- February 2010** Master degree in Environmental Protection, specialization *Ecological chemistry and Environmental Protection*, Faculty of Chemical and Technological chemistry, MSU
- June 2008** The Licentiate in Chemical Technology, Faculty of Chemical and Technological chemistry, MSU
- 2001 – 2004** High School studies, „Nicolae Mihai” High School, Ciobalaccia

TRAININGS and WORKSHOPS

- December 09, 2022** Education for human rights in the universities of the Republic of Moldova" organized by the Office of the People's Advocate in partnership with the OSCE Mission to the Republic of Moldova, 75, *Alexie Mateevici street*, Chisinau
- July 20-21, 2017** Academic Skills Café. The training carried out under the Diaspora Engagement Hub thematic grant program, sub-programme. "Innovative diaspora grants", implemented in collaboration with the International Organization for Migration (IOM), the mission in Moldova, financed by the Swiss Agency for Development and Cooperation (SDC). Chisinau, Republic of Moldova
- October 16, 2016** Seminar on, HUMAN RESOURCES STRATEGY FOR RESEARCHERS (HRS4R), 18 October 2016. Chisinau, Republic of Moldova.
- September 12-14, 2016** École d'été. La recherche scientifique en sciences sociales. Approche méthodologique et institutionnelle. Chisinau, Republic of Moldova.
- June 20-21, 2016** Séminaire doctoral Développement durable. Chisinau, Republic of Moldova.
- September 2015** CIS Wastewater - Continuous improvement strategy for increasing the efficiency of wastewaters treatment facilities in the Black Sea coastal states, Chisinau, Republic of Moldova.
- April 2-3, 2015** Moldo-Estonian Project “Moldova – Research Horizon Plus”, Chisinau, Republic of Moldova
- October 21-25, 2014** Regional Workshop: Network on dual-use concerns, Kiev, Ukraine.

CIVIC ENGAGEMENT

- September 2015 – August 2019** Membership of the Moldova State University Senate
- September 2017 – August 2021** Membership of the Faculty of Chemical and Technological Chemistry Council, MSU
- 2019 - present** Membership of the Trade Union Bureau, MSU

PERSONAL SKILLS

- analytical, solution-finding, planning and self-organizing skills; scientific and quick thinking;
- strategic vision;
- high level of responsibility and discipline;
- ability to work qualitatively;
- independent prioritization of tasks and meeting deadlines;
- excellent writing and reporting skills;
- skills to maintain dialogues at a multi-cultural level, respecting the basic principles of social inclusion, social equity and diversity based on gender, religion, ethnic group,

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Russian	C2	B1	B2	B1	B1
French	B1	C2	B1	B1	C2
English	B1	B2	B1	A2	B2

- WORKPLACE SKILLS**
- Teamwork;
 - initiative and commitment to the institution's values;
 - active participation in collective activities;
 - participation in scientific activities;
 - mastering working methods in the research laboratory;
 - calibration of performance measuring devices;
 - the use of spectrophotometric, potentiometric, etc. methods;
 - optimization of purification methods, such as: redox-catalytic methods, Fenton oxidation, Photo-Fenton, heterogeneous catalysis with TiO₂, coagulation, electrocoagulation, flotation, electroflotation and activated carbon adsorption;
 - the use of chemical, physical and physico-chemical methods for the purification of waste water from the textile industry;
 - synthesis of specialized literature;
 - coordination and carrying out laboratory experiments,
 - analysis and synthesis of primary data and their graphic display;
 - writing, technical editing of scientific publications;
 - elaboration of posters and oral presentations;
 - participation in the elaboration of national and international project proposals;
 - etc.

COMPUTER SKILLS Internet browser, Microsoft Office™: Word, Excel, Power Point, Paint, online platforms: Moodle, Zoom, Google Team,

MEMBERSHIP IN NATIONAL PROJECTS

- January 2020 - present** Physico-chemical mechanisms of redox processes with electron transfer involved in vital, technological and environmental systems
- January 2015 – December 2019** Elaboration of procedures for the purification of waste water from hardly biodegradable pollutants and its composition, chemical self-purification, possibilities of valorisation of waters from the lower Dniester basin
- January 2018 – December 2019** The development of new products for inhibition in the endogenous synthesis of carcinogenic compounds, formed during the nitrosation of drugs
- January 2011 – December 2014** Studying ecochemical processes and developing environmental treatment technologies
- January 2011 – December 2012** Influence of surfactants on textile dye wastewater treatment processes
- January 2009 – December 2010** Treatment of textile waste water from dyes by applying oxygenated water oxidation methods in combination with the coagulation - electroflotation method
- January 2008 – December 2010** Studying and developing methods to reduce refractory organic substances and humic acids from waste and natural waters

MEMBERSHIP IN INTERNATIONAL PROJECTS

- GreenSCI Horizon Europe 2022-2023** Green science at the service of healthy society (Green SCI)
- STCU 2018 – 2020** Development of innovative products for inhibition of endogen synthetic of carcinogenic compounds obtained after nitrosation of drugs
- World Federation of Scientist 2016 – 2017** WFS Planetary Emergency *WATER*. The study of the processes of removing the non-biodegradable textile compounds by coagulation and oxidation

- Black Sea 2014 – 2015** Continuous improvement strategy for increasing the efficiency of wastewaters treatment facilities in the Black Sea coastal states
- Moldova – Romania 2013 – 2014** Sources of natural chromophores for devices with applications in biophotonics based on functionalized DNA supramolecular structures

AWARDS

- February 2023** Honorary degree as a sign of high gratitude and appreciation of the prodigious activity in the field of research and innovation and on the occasion of the International Day of Women and Girls in Science, awarded by Anotolie TOPALĂ, Minister of the Ministry of Education and Research of the Republic of Moldova.
- February 2023** Honorary degree for relevant results in scientific research activity, active involvement in science promotion activities, as well as on the occasion of the International Day of Women and Girls with activities in the field of Science, awarded by Academician Ion TIGHINEANU, President of the Academy of Sciences of Moldova.
- November 2022** Diploma of merit on the occasion of the International Day of Science for Peace and Development, for merit in the field of research, for the contribution to the affirmation and promotion of trade union values, awarded by Ghenadie DONOS, president of the Trade Union Federation of Education and Science.
- 2016 – 2017** Excellence scholarships awarded by the World Federation of Scientists World Federation of Scientists, c/o CERN, Geneva, Switzerland
<http://www.akademos.asm.md/files/11Bursele%20Federatiei%20Mondiale%20a%20Savant>
- 2016 – 2017** Anton ABLOV nominal scholarships by the Government of Moldova
<http://lex.justice.md/index.php?action=view&view=doc&lang=1∓id=362937>