

Curriculum Vitae

PERSONAL INFORMATION **Diaconu Mariana**



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Gender Female | | Nationality Romanian

POSITION

Titular in the Department of Environmental Engineering and Management, Faculty of Chemical Engineering and Environmental Protection "Cristofor Simionescu" of the "Gheorghe Asachi" Technical University in Iași

WORK EXPERIENCE

2016 - present

Associate Professor

Department of Environmental Engineering and Management, Faculty of Chemical Engineering and Environmental Protection, "Gheorghe Asachi" Technical University of Iasi, D. Mangeron 73, 700050 Iasi, Romania, www.tuiasi.ro
Teaching and research activity
Education and scientific research

2003 - 2016

Lecturer and senior lecturer

Department of Environmental Engineering and Management, Faculty of Chemical Engineering and Environmental Protection, "Gheorghe Asachi" Technical University of Iasi, D. Mangeron 73, 700050 Iasi, Romania, www.tuiasi.ro
Teaching and research activity
Education and scientific research

1984 - 2003

Researcher, senior researcher III, senior researcher II,

Institute of Biological Research - Iasi, Str. L. Catargi no. 47, 700107-Iasi,
Scientific research

1982 - 1984

Biology teacher

Industrial high school for wood processing, Comănești - Bacău
Didactic activity
High school

EDUCATION AND TRAINING

2015

- Regiosim Workshop on Consulting partners and promoting the Internship concept in the field of Environmental Engineering and Management

- New approaches in the professional training of specialists in the field of Environmental Engineering with a view to sustainable regional development and correlation with the current requirements of the labor market - Certificate of participation

Faculty of Chemical Engineering and Environmental Protection - Gheorghe Asachi Technical University in Iasi,

2012

- Exploratory Workshop Progress in Environmental Engineering, Biotechnology and Management in the Frame of Knowledge-Based Sustainable Economy

Alternatives for Sustainable Industrial Production, Inter-reggio: concept of restoration projects of local streams - **Certificate of participation**

Faculty of Chemical Engineering and Environmental Protection - Gheorghe Asachi Technical University in Iasi,

2004

-- Ecodesign and Product Innovation

- 2004 Postgraduate course / Certificate of participation
Department of Environmental Engineering and Management – Gheorghe Asachi Technical University in Iasi and International Institute of Industrial Environment Economics, Lund, Sweden
-Environmental management and policies for sustainable production and consumption
Postgraduate course / Certificate of participation
Department of Environmental Engineering and Management – Gheorghe Asachi Technical University in Iasi and International Institute of Industrial Environment Economics, Lund, Sweden
- January 2003 concurs for the position of lecturer (Environmental Microbiology, Environmental Biodiversity, Bioremedia) / lecturer
Gheorghe Asachi Technical University of Iasi, Romania (Faculty of Chemical Engineering, Department of Environmental Engineering), Mangeron 71, 700050, Iasi, Romania
- 2002 certified as senior scientific researcher grade II
Iasi Institute for Biological Research, Carol I Blvd., Nr. 20A
- 1995 - Summer School: Glycobiologie et Glycotechologies
Intensive Postgraduate Course / Participation certificate
Univ "Al. I. Cuza "Iasi and the Ministry of Education and Research of France
- 1992 – 1998 PhD student/ doctor in Biology, specialization Biochemistry
Elaboration and defense of the doctoral thesis in the field of Biology, specializing in biochemistry with the theme, Contributions to the study of pectinolytic enzymes synthesized by some microorganisms, under the scientific supervision of Prof. Dr. Vlad Artenie, (publicly defended in April 1999). The title of doctor granted by Order of the Minister of Education Diploma of doctor of biology, series R, no. 0005178 of 22.07.1999
University "Al. I. Cuza" Iasi
- 1992 Contest/certificate for the position of principal scientific researcher grade III
Iasi Biological Research Institute, Industrial Microbiology Laboratory
- 1990 Contest/certificate as a scientific researcher
Iasi Biological Research Institute, Industrial Microbiology Laboratory
- 1984 Government department / biologist
Iasi Biological Research Center, Industrial Microbiology Laboratory
- 1978 - 1982 Graduated in biology, Bachelor's degree no. 452298
Long-term courses and biologist diploma, specialization Biology
"Al.I.Cuza" University from Iasi, Faculty of Biology-Geography-Geology
Higher education

PERSONAL SKILLS

Mother tongue(s)

Romanian

Other language(s)

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	Independent user	C2	Independent user	B2
French	B2	Independent user	B2	Independent user	B2

- Communication skills** The ability to work in a team, interpersonal skills, involvement in some actions of young students, teaching and training activities.
- **Organizational/managerial skills** Coordination and administration skills (distribution of tasks among team members; research and promotion projects, budgets, etc.);
 - Professional adviser to the second year of day engineers, field of study: bachelor's degree, Environmental Engineering;
 - Internship adviser (2007, 2013, 2015, 2018, 2019, 2020);
 - Scientific coordinator for over 20 undergraduate theses;
 - Responsible for research directions (applied and environmental microbiology and biotechnology; phytotoxicity and ecotoxicology studies) within the Research Center for Environmental Engineering and Impact Assessment <https://erris.gov.ro>

- Skills acquired in the workplace** The use of microbiological analysis techniques (isolation, characterization, multiplication, standardization, preservation of microbial strains with the ability to remove pollutants from the environment through biodegradation, biosorption, bioaccumulation processes)
- the use of biochemical and ecotoxicological analysis methods in biological and biochemical processes with applications in biotechnology and environmental protection (optimization of fermentation processes, enzymes, protein, biomass, microbiological bioindicators, biochemical and phytoindicators)
 - the use of analysis methods (gravimetry, titrimetry, filtration, centrifugation, extraction, membrane separation, spectrophotometry) in various microbiological, biochemical and ecotoxicological applications for environmental protection.

Digital competences

SELF-EVALUATION				
Information processing	Communication	Content creation	Security	Solving problems
Independent user	Independent user	Basic User	Basic User	Basic User

Digital competences - Self-assessment grid

- Microsoft Office - Word, Excel, Power Point; Corel Photo Paint, web-browsing

OTHER SKILLS

Activity in the academic community

Member of the student scientific circles committee: since 2015;

- Member of the competition committee for the attestation as an assistant -
- Elaboration of materials of academic interest (for the accreditation, by ARACIS, of some bachelor's and master's specializations) Membru în organizații profesionale

Biochemistry and Molecular Biology Society, "Probios" Life Sciences Society, Chemistry Society, OAIMDD,

Environmental Biotechnology Division of European Federation of Biotechnology

Evaluator:

evaluator of CNCSIS research projects – 2005, 2006, 2007

evaluator of research projects PN.2 ("Ideas" and "Partnerships") - 2007, 2008

The contribution to the training of specialists

- Member of PhD tutoring commissions; Dana Luminița Sobariu, Daniela Fertu, Silvia Bulgariu, Mihaela Roșca (doctoral supervisor Prof. Univ. Dr. Eng. Maria Gavrilăscu); Iulia Simona Bădescu (supervisor Ph.D. Assoc. Dr. Habil. Chem. Laura Bulgariu) (from 2011 – present)

- Member of the committees supporting research reports of some doctoral students under the coordination of Prof. Dr. Eng. Matei Macoveanu, Prof. Dr.

Eng. Nicu Mihai and Prof. Dr. Eng. Eng. Domnica Ciobanu (period 2004 – 2008).
- Coordinator of 19 scientific papers presented at Student Scientific Circles (2004
- present)
Reviewer:
Environmental Engineering and Management Journal,
Journal of Environmental Chemical Engineering

ADDITIONAL INFORMATION

- Scientific works: 115
- 37 papers published in ISI journals;
- 32 papers published in BDI indexed journals;
- 42 papers published in proceedings;
- 94 communicated works / posters at national/international conferences
- University courses and specialized chapters/books: 12
- Laboratory guidance: 1
- Prizes, nominalizations:3
- The special SIB award granted by the Banat Inventors Society (awarded in 2015) for the work and product "Autonom Antibacterial Venting and Luminating Modular Green System for Curtain Wall", by C. Porosnicu, O. Trusca, C. Iacob , B. Butoi, I. Cretescu, M. Diaconu, P. Dinca, I. Jepu, OG Pompilian, M. Lungu, CP Lungu
- The gold medal "International Fair of Inventions and Practical Ideas" awarded by the Romanian Inventors Society (2015) for the work and product "Autonomic Antibacterial Venting and Luminating Modular Green System for Curtain Wall". Porosnicu, O. Trusca, C. Iacob, B. Butoi, I. Cretescu, M. Diaconu, P. Dinca, I. Jepu, O. G. Pompilian, M. Lungu, C.P. Lungu
- Diploma of Excellence "and" INVENTICA Medal 2008 "at the 12th International Exhibition of Inventions, Research and Technological Transfer - INVENTICA 2008, Iasi, 21-24 May 2008, with the paper" Improved Ecological Exploitation of Apple in Cultivation intensive "(authors: Alecu Diaconu, Mihai Tălmăciu, Gabriel Vasiliu, Mariana Diaconu, Nela Tălmăciu, Igor Crețescu, Agurița Manolache, Madalin Parepa, Mariana Popovici)
- Citations (ISI web of knowledge and Scopus): 820

04.03..2023

Semnătura,
Conf.dr. biol. Mariana Diaconu

