



Europass Curriculum Vitae



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<https://www.linkedin.com/pub/raluca-hlihor/a0/438/538>
Nationality Romanian
Date of birth ██████████
Gender Female

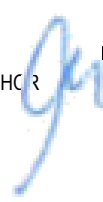
Work experience Teaching activities

| Dates | 15.09.2017 – present |
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| Occupation or position held | Lecturer |
| Main activities and responsibilities | <ul style="list-style-type: none"> • Preparing laboratory classes and courses: <i>Water and soil pollution, Remediation technologies, Environmental quality monitoring and diagnosis, Environmental Impact Assessment</i>, domain: Environmental Engineering (bachelor studies) and <i>Monitoring of environmental factors, Environmental Management</i>, domain: Food Engineering (bachelor studies) • Participation in different scientific and professional competitions with students • Guiding students in the preparation of their bachelor projects • Supervising students in all their activities, including students practical activities |
| Name and address of employer | “Ion Ionescu de la Brad” Iasi University of Life Sciences Faculty of Horticulture Department of Horticultural Technologies 3 Aleea Mihail Sadoveanu, 700490 Iasi (Romania) |
| Type of business or sector | Education |

| Dates | 15.02.2016-15.09.2017 |
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| Occupation or position held | Assist. prof. - associate teaching staff (part time position) |
| Main activities and responsibilities | <ul style="list-style-type: none"> • Preparing laboratory classes and courses on: <i>Water, air and soil pollution, Environmental quality monitoring and diagnosis</i>, domain: Environmental Engineering (bachelor studies) • Supervising students in all their activities, including students practical activities |
| Name and address of employer | “Ion Ionescu de la Brad” University of Agricultural Sciences and Veterinary Medicine of Iasi Faculty of Horticulture Department of Horticultural Technologies 3 Aleea Mihail Sadoveanu, 700490 Iasi (Romania) |
| Type of business or sector | Education |



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| Dates | 13.02.2012-26.03.2013 |
| Occupation or position held | Assist. prof. - associate teaching staff (part time position) |
| Main activities and responsibilities | <ul style="list-style-type: none"> Preparing seminary classes for master programs on: <i>Sustainable Industrial Production, Risk assessment and management</i>, domain: Environmental Management and Sustainable Energy (English classes), Environmental Management (Romanian classes). |
| Name and address of employer | Gheorghe Asachi Technical University of Iasi Faculty of Chemical Engineering and Environmental Protection Department of Environmental Engineering and Management 73 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iasi (Romania) |
| Type of business or sector | Education |
| Work experience | Research activities |
| | Project coordinator |
| Dates | 28.10.2020-28.10.2022 |
| Occupation or position held | Project coordinator/Project manager |
| Main activities and responsibilities | <p>PN-III-P2-2.1-PED-2019-2430 project, <i>Evaluation of sustainability of eco-friendly processes used in wastewater treatment based on an integrated environmental and economic assessment approach (SusTrEE)</i></p> <ul style="list-style-type: none"> - Critical review on bioremoval methods used for wastewater treatment targeting both inorganic (e.g. heavy metals) and organic (e.g. antibiotics, POPs) removal efficiencies. - Planning and identifying strategies to include biosorption and bioaccumulation processes in wastewater treatment systems. - Existent and collected data evaluation and analysis in terms of kinetics, equilibrium and thermodynamics of biosorption and bioaccumulation processes and selection of model pollutants. - Modelling and optimization of biosorption and bioaccumulation for process upscale in wastewater treatment facilities. - Evaluation of environmental impacts and external costs generated during the removal of persistent pollutants from wastewaters, considering LCA framework. - Evaluation of biosorption and bioaccumulation processes in terms of costs using LCC framework. - Recommendation of a consistent framework combining LCA and LCC as a support tool giving the optimal solution(s) in terms of environmental, human health and economic benefits for the applied processes. - Exploitation and protection of project results according to Intellectual Property Rights stipulated in Romanian legislation, publication of research results in ISI and BDI journals. - Financial and administrative management and reporting, budget management and costs. - Management of knowledge generated by the <i>SusTrEE</i> project development and fulfillment. |
| Name and address of employer | "Ion Ionescu de la Brad" Iasi University of Life Sciences Faculty of Horticulture Department of Horticultural Technologies 3 Aleea Mihail Sadoveanu, 700490 Iasi (Romania) |
| Type of business or sector | Research and Development |

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| Dates | | 15.09.2020-14.09.2022 |
| Occupation or position held | Project coordinator/Project manager PN-III-P1-1.1-TE-2019-1200 project, Contract no. TE 120 / 2020, <i>Tailor-made human health risk assessment framework for evaluating the toxicity caused by heavy metals contamination of herbal based products used in phytotherapy and cosmetics (RiskToxPlants)</i> | |
| Main activities and responsibilities | <ul style="list-style-type: none"> - Planning, defining and problem formulation of methods applied for identifying human health risk of heavy metals in plants. - In vivo experiments focused on an initial screening of heavy metal stress in plants. - Pot experiments focused on selected plants species growth under heavy metals induced stress in a simulated polluted soil. - Identification of threats / hazards to human health that may occur due to different types of exposures to heavy metals contaminated herbal products. - Recommendation of a consistent human health risk assessment framework for evaluating the toxicity caused by heavy metals contamination of herbal based products used in phytotherapy and cosmetics. - Exploitation and protection of project results according to Intellectual Property Rights stipulated in Romanian legislation, publication of research results in ISI and BDI journals. - Financial and administrative management and reporting, budget management and costs. - Management of knowledge generated by the <i>RiskToxPlants</i> project development and fulfillment. | |
| Name and address of employer | <p>"Ion Ionescu de la Brad" Iasi University of Life Sciences Faculty of Horticulture Department of Horticultural Technologies 3 Aleea Mihail Sadoveanu, 700490 Iasi (Romania)</p> | |
| Type of business or sector | Research and Development | |
| Dates | | 05.11.2019-05.12.2019 |
| Occupation or position held | Project manager PN-III-P1-1.1-MC-2019-045 project, Contract no. 123/19.08.2019, <i>Ecotoxicity methods used for biomonitoring of environmental pollutants</i> | |
| Main activities and responsibilities | <ul style="list-style-type: none"> - Current state of the art on ecotoxicity methods used in the evaluation of environmental pollutants from different compartments. - Training in the application of ecotoxicity tests using plants as bioindicators of environmental contamination. | |
| Name and address of employer | <p>"Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine of Iasi Faculty of Horticulture Department of Horticultural Technologies 3 Aleea Mihail Sadoveanu, 700490 Iasi (Romania)</p> | |
| Type of business or sector | Research and Development | |
| Dates | | 02.09.2018-03.10.2018 |
| Occupation or position held | Project manager PN-III-P1-1.1-MC-2018-2006 project, Contract no. 435/22.10.2018, <i>Research stage in quantifying the impacts of chemicals in plants on human health through life cycle analysis</i> | |
| Main activities and responsibilities | <ul style="list-style-type: none"> - Improving the research knowledge and capacity by applying specific case studies to dynamically model the presence of chemicals in plants by analyzing real life situations and implicitly their impact on human health and the environment. - Expanding existing methods of quantifying the impacts of chemicals present in plants on human health through life cycle analysis. - Dynamic modeling of the presence of pesticide residues in crops by analyzing real life situations such as assessment of pesticide substitution and application on different crops to characterize the impact on human health and the environment. | |
| Name and address of employer | <p>"Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine of Iasi Faculty of Horticulture Department of Horticultural Technologies 3 Aleea Mihail Sadoveanu, 700490 Iasi (Romania)</p> | |
| Type of business or sector | Research and Development | |

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| Dates | | 06.02.2018-08.03.2018 |
| Occupation or position held | Project manager PN-III-P1-1.1-MC-2017-2004 project, Contract no. 484/18.12.2017, <i>Training for knowledge transfer and improving the abilities on human health and environmental impact assessment through life cycle analysis</i> | |
| Main activities and responsibilities | <ul style="list-style-type: none"> - Understanding the principles, mathematical modeling phases, and the scope of application of the various chemical-related impact assessment methods, including limitations, assumptions and uncertainties, as a basis for assessing health and environmental impacts in the perspective of life cycle analysis from local to global level. - Knowledge transfer from the Technical University of Denmark (DTU) to the "Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine of Iasi (USAMV) in terms of research and teaching activities. | |
| Name and address of employer | "Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine of Iasi Faculty of Horticulture Department of Horticultural Technologies 3 Aleea Mihail Sadoveanu, 700490 Iasi (Romania) | |
| Type of business or sector | Research and Development | |
| Dates | | 17.01.2017-30.06.2018 |
| Occupation or position held | Project coordinator/Project manager PN-III-P2-2.1-PED-2016-1662 project, Contract no. 10PED/2017, <i>Modelling pesticide dynamics in vegetables and assessment of human health risks (MODPEST)</i> http://modpest.3host.ro/ | |
| Main activities and responsibilities | <ul style="list-style-type: none"> - Planning and defining key issues at national and international levels related to the use of multiple treatments with pesticides in fruits and vegetables. - Track identification of threats / hazards to human health that may occur due to consumption of fresh vegetable products containing pesticide residues. - Human health risk analysis of pesticides residues in vegetable products. - Kinetic modelling of pesticides residues variation in vegetable crops. - Uncertainty analysis, achieved through a probabilistic Monte-Carlo type approach. - Dynamic modelling of pesticide transport along the food chain. - Exploitation and protection of project results according to Intellectual Property Rights stipulated in Romanian legislation, publication of research results in ISI and BDI journals. - Financial and administrative management and reporting, budget management and costs. - Management of knowledge generated by the MODPEST project development and fulfillment. | |
| Name and address of employer | Gheorghe Asachi Technical University of Iasi Faculty of Chemical Engineering and Environmental Protection Department of Environmental Engineering and Management 73 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iasi (Romania) | |
| Type of business or sector | Research and Development | |
| | | Researcher/Key expert |
| Dates | | 01.10.2020-31.07.2022 |
| Occupation or position held | Researcher PN-III-P2-2.1-PED-2019-5239 project, Contract no. 269 PED/2020, <i>Integrating environmental bioremediation with biomass valorization and critical raw materials recovery by phytomining</i> , Project manager: Prof. Maria Gavrilescu | |
| Main activities and responsibilities | <ul style="list-style-type: none"> - State-of-the-art in phytoremediation as a basis for phytomining and challenges beyond knowledge. - Screening of heavy metals (including critical metals), plants (annual and perennial, accumulators and hyperaccumulators), soils (3 categories) for phytomining experiments. - Conceptual approaches to the design and adjustment of the experimental program, establishment of protocols for soil sampling procedures, available methods, soil techniques, plants, characterization and analysis of metals. - Exploitation and protection of project results, publication in journals, books (ensuring optimal protection of all results, by identifying, evaluating, protecting and subsequently exploiting intellectual property rights (IPR) generated during project implementation; publishing papers in ISI journals and BDI. - Participation in national and international events, courses, summer schools. | |

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| Name and address of employer | Universitatea Tehnică Gh. Asachi din Iași, Facultatea de Inginerie Chimică și Protecția Mediului, Departamentul Ingineria și Managementul Mediului Str. Prof. dr. docent Dimitrie Mangeron nr. 73, 700050 Iași (România) |
| Type of business or sector | Research and Development |
| Dates | 12.10.2020-02.03.2022 |
| Occupation or position held | Specialist in waste valorisation 2SOFT/1.2/83, <i>Intelligent valorisation of agro-food industrial wastes - INTELWASTES</i> Project manager: Assoc.prof. dr. Antoanela Patraș |
| Main activities and responsibilities | <ul style="list-style-type: none"> - Scientific research on the preservation of the functionality of agro-industrial waste. - Research on obtaining natural sorbents from agri-food waste. - Organizing workshops with partners and potential beneficiaries. - Innovation, dissemination and implementation of research results. |
| Name and address of employer | "Ion Ionescu de la Brad" Iasi University of Life Sciences Faculty of Horticulture Department of Horticultural Technologies 3 Aleea Mihail Sadoveanu, 700490 Iași (Romania) |
| Type of business or sector | Research and Development |
| Dates | 13.09.2019-31.10.2020 |
| Occupation or position held | Responsible of students target group Project POCU/379/6/21/123458 <i>Innovative entrepreneurial education – EducAtlv</i> , Project manager: Prof.dr. Vasile Stoleru |
| Main activities and responsibilities | <ul style="list-style-type: none"> - Identification of the target group by any method of communication: media, internet, fax or direct contact. - Selecting the target group of students. - Providing contact details and documents proving membership in the target group of students. - Prepare, as instructed, the reporting documents of the target group in all existing annexes. - Compliance with the provisions regarding the processing of personal data and the protection of privacy. - Promoting project services to the public in the region of application through advertising. - Ensuring the application of visibility elements on project documents. - Favoring the application of equal opportunities between women and men, taking into account the aspirations and needs of each participant in the project activities. |
| Name and address of employer | "Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine of Iasi Faculty of Horticulture Department of Horticultural Technologies 3 Aleea Mihail Sadoveanu, 700490 Iași (Romania) |
| Type of business or sector | Education |
| Dates | 13.09.2019-31.10.2020 |
| Occupation or position held | Responsible for professional guidance and motivation Grant no. 281/SGU/NC/III/12.12.2019, <i>Improving the academic performance of first year students of the Faculty of Horticulture prone to dropping out of school (ROSE-PERFORMA)</i> , Project manager: Assoc.prof. dr. Liliana Chelariu |
| Main activities and responsibilities | <ul style="list-style-type: none"> - Ensuring the human and material resources necessary for the implementation of the professional guidance and motivation actions within the project; - Implementing with increased efficiency the actions of professional guidance and motivation; - Organizing thematic workshops in the field of environmental engineering and agricultural biotechnology; - Participating in awareness campaigns on improving academic performance; - Supporting students by carrying out motivating and stimulating activities with the theme of environmental engineering and agricultural biotechnology. |
| Name and address of employer | "Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine of Iasi Faculty of Horticulture Department of Horticultural Technologies 3 Aleea Mihail Sadoveanu, 700490 Iași (Romania) |
| Type of business or sector | Education |

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| Dates | | 01.07.2018- 31.12.2018 |
| Occupation or position held | Expert in ethics and professional deontology Project CNFIS-FDI-2018.0418, <i>Modernizing of teaching-evaluation activity in agronomic higher education and compliance with the academic ethics</i> , Project manager: Prof.dr. Benone Păsărin | |
| Main activities and responsibilities | - Improving the quality of teaching activity, including respect for academic ethics and deontology | |
| Name and address of employer | "Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine of Iasi Faculty of Horticulture Department of Horticultural Technologies 3 Aleea Mihail Sadoveanu, 700490 Iasi (Romania) | |
| Type of business or sector | Education | |
| Dates | | 01.07.2017- 31.12.2017 |
| Occupation or position held | Expert in ethics and professional deontology FDI project <i>Mechanisms for improving the teaching activity and promoting the ethics of the academic act in USAMV Iasi</i> , Project manager: Assoc. prof. dr. Ciprian Chiruță | |
| Main activities and responsibilities | - Improving the quality of teaching activity, including respect for academic ethics and deontology | |
| Name and address of employer | "Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine of Iasi Faculty of Horticulture Department of Horticultural Technologies 3 Aleea Mihail Sadoveanu, 700490 Iasi (Romania) | |
| Type of business or sector | Education | |
| Dates | | 12.07.2017-31.12.2019 |
| Occupation or position held | Researcher PN-III-P4-ID-PCE-2016-0683, Contract no. 65/12.07.2017, <i>Exploring and exploiting the abilities of microorganisms and plants and their interactions for environmental bioremediation (BIOREMIP)</i> , Project manager: Prof. Maria Gavrilescu | |
| Main activities and responsibilities | <ul style="list-style-type: none"> - The state of the art and the vision beyond it, in the bioremediation of soil and aquatic pollution. - Selection of microorganisms, plants, persistent organic and inorganic pollutants and their characterization. - Phytotoxicity study of pollutants and plant tolerance in a plant / pollutant system. - Ecotoxicity of pollutants and tolerance of microorganisms in the system a microorganism / pollutant. - Processing and Statistical Analysis of Results. - Synergetic Tests and Analysis of Microbial-Plant-Pollutant Interactions in Aqueous Environment. - Strategies for adapting the synergic action of plants and microbes for the elimination of specific pollutants by bioremediation. - Modeling the pollutant immobilization / mobilization process in the soil. - Recommendations for applying the most appropriate bioremediation schemes based on performance analysis. - Developing dissemination materials (posters, flyers, presentations). - Working on different activities regarding the project management (materials acquisition, preparing papers for publication). - Preparing reports for the contracting authority. - Supervising PhD students and Master students. | |
| Name and address of employer | Gheorghe Asachi Technical University of Iasi Faculty of Chemical Engineering and Environmental Protection Department of Environmental Engineering and Management 73 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iasi (Romania) | |
| Type of business or sector | Research and Development | |
| Dates | | 07.10.2016-01.10.2018 |
| Occupation or position held | Researcher BRIDGE Grant PN-III-P2-2.1-BG-2016-0130, <i>Strategies and solutions for eco-design and eco-innovation of processes and products from recycled materials in the context of circular economy (ECOINDE)</i> , Project manager: Prof. Maria Gavrilescu http://ecoinde.3host.ro/ | |

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| Main activities and responsibilities | <ul style="list-style-type: none"> - Eco-innovation and eco-design for the reuse of production waste for an eco-efficient product (eco-pallet), in a process that integrates economic and environmental performances - Assessing and demonstrating technical-economic and environmental performance of product and process (eco-efficiency) by applying specific tools and methods as support for manufacturer decision-making process - Developing dissemination materials (posters, flyers, presentations) - Working on different activities regarding the project management (materials acquisition, preparing papers for publication) - Preparing reports for the contracting authority - Supervising PhD students and Master students |
| Name and address of employer | Georghe Asachi Technical University of Iasi Faculty of Chemical Engineering and Environmental Protection Department of Environmental Engineering and Management 73 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iasi (Romania) |
| Type of business or sector | Research and Development |
| Dates | 01.12.2011-04.10.2016 |
| Occupation or position held | Post-doctoral Researcher IDEI project PN-II-ID-PCE-2011-3-0559, contract 265/2011, <i>Biosorption and bioaccumulation in bioremediation of environmental compartments contaminated with persistent pollutants</i> (BIOSACC), Project manager: Prof. Maria Gavrilescu http://biosacc.xhost.ro/ |
| Main activities and responsibilities | <ul style="list-style-type: none"> - Focusing on experiments regarding biosorption and/or bioaccumulation potential of non-living biomass (bacteria, fungi, agricultural wastes) and living biomass (bacteria, fungi) for pollutants removal (heavy metals, dyes) from aqueous solutions in batch and continuous modes. - Considerations on the improvement of the removal efficiencies of biomass for bioremediation. - Scaling-up laboratory processes at bench scale and simulation of applicability at large scale using different models. - Quantifying and comparing biosorption and bioaccumulation processes performed in an airlift system with a batch system. - Identifying targeted experiments using mathematical modeling to track and quantify the mechanisms involved in the removal of pollutants from aqueous solutions. - Identifying the environmental impacts of the processes by considering Life Cycle Assessment methodology. - Developing dissemination materials (posters, flyers, presentations). - Working on different activities regarding the project management (materials acquisition, preparing papers for publication). - Preparing reports for the contracting authority. - Supervising PhD students and Master students. |
| Special interests | <ul style="list-style-type: none"> • Remediation of contaminated soils polluted with heavy metals through adsorption and phytoremediation • Bioavailability processes for contaminants in soils and their use in risk assessment • Behavior and degradation of pesticides in fruits and vegetables • Potential human health risks associated with pesticide residues in fruits and vegetables • Toxicological significance of food exposure to pesticides |
| Name and address of employer | Georghe Asachi Technical University of Iasi Faculty of Chemical Engineering and Environmental Protection Department of Environmental Engineering and Management 73 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iasi (Romania) |
| Type of business or sector | Research and Development |
| Dates | 1.10.2008-27.10.2011 |
| Occupation or position held | PhD Student BRAIN Project Doctoral scholarships as an investment in intelligence - ID 6681 financed by the European Social Fund and Romanian Government |

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| Main activities and responsibilities | <ul style="list-style-type: none"> Focusing on experiments regarding sorption processes applied for the removal of heavy metals from contaminated environments: <ul style="list-style-type: none"> Biosorption and bioaccumulation of heavy metals from aqueous solutions using three types of microorganisms Adsorption of heavy metals onto soils Modeling of sorption processes using different tools to assess the mechanisms involved in the removal of heavy metals from aqueous solutions Bioavailability of heavy metals in soils |
| Name and address of employer | Gheorghe Asachi Technical University of Iasi Doctoral School of Faculty of Chemical Engineering and Environmental Protection Department of Environmental Engineering and Management 73 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iasi (Romania) |
| Type of business or sector | Research and Development |
| Dates | 1.03.2010-31.05.2010 |
| Occupation or position held | Guest researcher at Biological Engineering Centre, University of Minho Supervisor: Prof. Teresa Tavares http://www.ceb.uminho.pt/People/Details/ea3c9eca-cddb-45a1-94b1-b762081604a8 |
| Main activities and responsibilities | <ul style="list-style-type: none"> Focusing on biosorption and bioaccumulation of heavy metals from wastewaters by dead and living <i>Arthobacter viscosus</i> Process modeling and optimization |
| Name and address of employer | University of Minho Biological Engineering Centre Braga, Portugal |
| Type of business or sector | Research and Development |
| Work experience | Editorial activities |
| Dates | 01.01.2021-present |
| Occupation or position held | Editorial Assistant <i>Journal of Applied Life Sciences and Environment (ALSE)</i> https://jurnalalse.com/ |
| Main activities and responsibilities | <ul style="list-style-type: none"> Taking decisions regarding manuscripts publication with the Editor-in-Chief Identifying and inviting potential peer reviewers Providing support for authors in all stages of the publication of their manuscript Assessing manuscripts and making recommendations on their publication |
| Name and address of employer | "Ion Ionescu de la Brad" Iasi University of Life Sciences 3 Aleea Mihail Sadoveanu, 700490 Iasi (Romania) |
| Dates | 1.11.2011-31.12.2018 |
| Occupation or position held | Editorial Assistant <i>Environmental Engineering and Management Journal (VOLUNTEER)</i> |
| Main activities and responsibilities | <ul style="list-style-type: none"> Taking decisions regarding manuscripts publication with the Editor-in-Chief Identifying and inviting potential peer reviewers Overseeing the publication process including editing, formatting, typesetting Proofreading and checking the accuracy of articles (grammar, spelling) Assessing the quality of manuscripts for compliance with Journal standards Providing support for authors in all stages of the publication of their manuscript Assessing manuscripts and making recommendations on their publication Materials acquisitions for supporting the Journal development Scheduling, attending and summarizing meetings Handling routine phone calls, e-mails and correspondence Delivering to authors and subscribers the Journal in electronic or printed format |

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| Name and address of employer | <i>Environmental Engineering and Management Journal (IF/2018 = 1.186)</i> http://omicron.ch.tuiasi.ro/EEMJ/ Gheorghe Asachi Technical University of Iasi Department of Environmental Engineering and Management 73 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iasi (Romania) |
| Dates | 1.10.2008 – 31.10.2011 |
| Occupation or position held | Member of Editorial Production and Secretariat of <i>Environmental Engineering and Management Journal (VOLUNTEER)</i> |
| Main activities and responsibilities | <ul style="list-style-type: none"> • Proofreading and checking the accuracy of articles (grammar, spelling) • Identifying and inviting potential peer reviewers • Editing, formatting, typesetting articles in the Journal template • Delivering to authors and subscribers the Journal in electronic or printed format |
| Name and address of employer | <i>Environmental Engineering and Management Journal (IF/2018 = 1.186)</i> http://omicron.ch.tuiasi.ro/EEMJ/ Gheorghe Asachi Technical University of Iasi Department of Environmental Engineering and Management 73 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iasi (Romania) |
| Education and training | |
| Dates | 21.08.2015-30.08.2015 |
| Title of qualification awarded | Certificate of Completion Summer School of Sino-EU Doctoral School for Logistics, Information, Management, and Service Science |
| Principal subjects/occupational skills covered | <ul style="list-style-type: none"> - Theory of knowledge and event study - Developing a research plan - Introduction to R, programming algorithms - Editing scientific manuscripts using LaTeX - Qualitative data analysis - Creating quality graphics - Linear models and application in research - Structured equation modelling |
| Name and type of organization providing education and training | Beijing Jiaotong University, International Center for Informatics Research, Beijing, China |
| Dates | 1.10.2008-27.10.2011 |
| Title of qualification awarded | PhD in Chemical Engineering |
| Principal subjects | PhD Thesis Title: Sorption processes applied for the removal of heavy metals from contaminated environments PhD supervisors: Prof. Maria Gavrilescu and Prof. Teresa Tavares |
| Name and type of organization providing education and training | Gheorghe Asachi Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management, Iasi, Romania University of Minho, Biological Engineering Centre, Braga, Portugal |
| Level in national or international classification | ISCED 6 |
| Dates | 01.10.2008 – 01.08.2009 |
| Title of qualification awarded | Master of Science in Environmental Management |
| Principal subjects/occupational skills covered | Ecology and Environmental protection, Environmental Audit, Environmental Impact Assessment Methods and Techniques, Life Cycle Assessment, Environmental Integrated Management, Cost-Profit Analysis in Environmental Protection, Environmental Risk Assessment and Management, Environmental Policy Making |
| Name and type of organization providing education and training | Gheorghe Asachi Technical University of Iasi Faculty of Chemical Engineering and Environmental Protection Department of Environmental Engineering and Management 73 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iasi (Romania) |

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| Level in national or international classification | ISCED 6 |
| Dates | 01.10.2003 – 30.07.2008 |
| Title of qualification awarded | Diplomate Engineer in Environmental Engineering |
| Principal subjects/occupational skills covered | Environmental Biodiversity, Analytical Chemistry and Instrumental Analysis, Environmental Microbiology, Fundamentals of Soil Sciences, Chemical and Biochemical Thermodynamic and Kinetics, Transfer Phenomena and Unit Operation, Waste Treatment, Valorization and Management, Bioremediation, Technologies and Biotechnologies for Environmental Protection, Integrated Pollution Prevention and Control, Technologies for Soil Decontamination |
| Name and type of organization providing education and training | Gheorghe Asachi Technical University of Iasi Department of Environmental Engineering and Management Faculty of Chemical Engineering and Environmental Protection 73 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iași (Romania) |
| Level in national or international classification | ISCED 5 |

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| Dates | 01.10.2003 – 30.07.2007 |
| Title of qualification awarded | Graduation Certificate Didactic Training Department |
| Principal subjects/occupational skills covered | Educational Psychology, Pedagogy, Educational Communication, Curriculum Methodology |
| Name and type of organization providing education and training | Gheorghe Asachi Technical University of Iasi Didactic Training Department |
| Level in national or international classification | ISCED 5 |

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| Dates | 01.09.1999 – 30.06.2003 |
| Title of qualification awarded | High School Diploma Natural Resources and Environmental Protection |
| Principal subjects/occupational skills covered | Environmental Protection Technician |
| Name and type of organization providing education and training | Gheorghe Cartianu Technical College, Piatra-Neamt, Romania |
| Level in national or international classification | ISCED 4 |

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| Dates | 7.01.2016-27.02.2016 |
| Title of qualification awarded | Aerobic-fitness trainer – international accreditation |
| Principal subjects/occupational skills covered | - Aerobics - Fitness - Personal training - Functional Training - Nutrition |
| Name and type of organization providing education and training | ABC Fitness School 68 Fratii Buzesti, Bucharest, Romania |

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment

European level (*)

English

French

| Understanding | | | | Speaking | | | | Writing | |
|---------------|------------------|---------|------------------|--------------------|-----------------|-------------------|-----------------|---------|------------------|
| Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| C1 | Proficient User | C1 | Proficient User | C1 | Proficient User | C1 | Proficient User | C1 | Proficient User |
| B1 | Independent User | B1 | Independent User | A2 | Basic User | A2 | Basic User | B1 | Independent User |

(*) [Common European Framework of Reference for Languages](#)

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| Social skills and competences | The power to quickly learn new things and to adapt with ease in new and different situations Good working relations with people of different national and cultural backgrounds Team spirit Personal Trust Capacity of Organization Honesty and Responsibility |
| Organizational skills and competences | Ability to plan and organize research projects Attention to detail Proficiency with IT packages like Microsoft Office and Adobe Proofreading skills |
| Scientific knowledge and skills | Ability to perform in-depth and critical data analysis Ability to rigorously design and perform experiments Ability to work efficiently and with minimum or no supervision Ability to meet objectives within strictly set deadlines Good communication and teamwork skills Outcome focused Creative |
| Technical skills and competences | Very good skills in laboratory techniques: microbiology, analytical chemistry Skills in UV-VIS Spectrometry, Atomic Absorption Spectrometry Research directions: <ul style="list-style-type: none">- Environmental engineering and management;- Chemical and biological process engineering;- Biotechnology in environmental protection;- Integrated pollution prevention and control;- Risk assessment and management;- Life cycle impact assessment. |
| Computer skills and competences | Excellent skills in Microsoft Office Excellent skills in Origin software Good skills in using GaBi software |

Prizes, distinctions

- Gold medal in recognition of high scientific contribution and loyalty to the XXV-th INTERNATIONAL EXHIBITION OF INVENTICS for the project *Tailor-made human health risk assessment framework for evaluating the toxicity caused by heavy metals contamination of herbal based products used in phytotherapy and cosmetics* (RiskToxPlants);
- Gold medal in recognition of high scientific contribution and loyalty to the XXV-th INTERNATIONAL EXHIBITION OF INVENTICS for project *Evaluation of Sustainability of Eco-friendly Processes Used in Wastewater Treatment based on an Integrated Environmental and Economic Assessment Approach* (SusTrEE);
- Best paper of the conference section Engineering and Environmental Protection: Phytotoxicity effects of heavy metals on the inhibition of *Lavandula angustifolia* „Hidcote Blue”, **Raluca-Maria Hlihor**, Maria Apostol, Laura Hagi-Zaleschi, Isabela Maria Simion, Dana Mihaela Asiminicesei, Maria Gavrilescu, LIFE SCIENCES TODAY FOR TOMORROW International Congress, 21-22 Octombrie 2021, Iasi, Romania;
- Best paper of the live presentation to Cătălina Filote, Mihaela Roșca, Isabela Maria Simion, **Raluca-Maria Hlihor**, for the paper “Continuous system bioremediation of wastewaters loaded with heavy metals using microorganisms” presented at the International Conference „LIFE SCIENCES TODAY FOR TOMORROW International Congress”;
- Best paper award to Mihaela Roșca, **Raluca-Maria Hlihor**, Petronela Cozma, Cătălina Filote, Isabela-Maria Simion, Maria Apostol, Maria Gavrilescu, for the paper “Initial Screening of Biosorption Process Modelling and Optimization for its Industrial Scale-up” presented at the International Scientific Conference „Applications of Chemistry in Nanosciences and Biomaterials Engineering”;
- Rewarding research results for two scientific articles published in ISI journals by the Romanian Government (2021): PN-III-P1-1.1-PRECISI2021-56919, PN-III-P1-1.1-PRECISI2021-67695;
- Rewarding research results for two scientific articles published in ISI journals by the Romanian Government (2020): PN-III-P1-1.1-PRECISI2020-42287, PN-III-P1-1.1-PRECISI2020-45947;
- Rewarding research results for two scientific articles published in ISI journals by the Romanian Government (2019): PN-III-P1-1.1-PRECISI-2019-33093, PN-III-P1-1.1-PRECISI2019-39127;
- Biographic nomination: “WHO’s WHO” in the World, 2018 (2018);
- Diploma of Excellence Inventica Salon, 12th Edition, Baia Mare (2018);
- Certificate of Outstanding Contribution in Reviewing awarded by Journal of Hazardous Materials (January, 2018);
- Rewarding research results for one scientific article published in an ISI journal by the Romanian Government (2017): PN-III-P1-1.1-PRECISI-2017-19004;
- Diploma INVENT-INVEST September 2016, Iasi, Romania (2016);
- Biographic nomination: “WHO’s WHO” in the World, 2015 (32nd Edition) (2015);
- Rewarding research results for two scientific articles published in ISI journals by the Romanian Government (2014-2015): PN-II-RU-PRECISI2014-8-6112, PN-II-RU-PRECISI2015-9-8706;
- Diploma of Excellence Euroinvent 2013 for Environmental Engineering and Management Journal - European Exhibition of Creativity and Innovation (2013);
- FEMS Young Scientist Meeting Grant (YSMG) (2012);
- Grand Prize Euroinvent 2012-European Exhibition of Creativity and Innovation (2012);
- Diploma of Excellence for Innovative Research, Euroinvent 2011-European Exhibition of Creativity and Innovation (2011).

Scientific and professional organizations

- Societatea Română a Horticultorilor (SRH) (2019-present)
- Asociația Amicii Rozelor din România (2019-present)
- Society of Environmental Toxicology and Chemistry Europe (SETAC Europe) (2017-2018);
- The European Association of Environmental and Resource Economists (EAERE) (2016);
- Chemical, Biological & Environmental Engineering Society (CBEES) (2016);
- Academic Organization of Environmental Engineering and Sustainable Development (OAIMDD), Iasi (2015-present);
- Federation of European Microbiological Societies (FEMS) (2012-present);
- Environmental Engineering and Impact Assessment Research Centre of Academic Organization of Environmental Engineering and Sustainable Development (2011-present).

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| Other qualifications | <ul style="list-style-type: none"> - <i>Training</i> in „Introduction to Sustainability and LCA Training - online” at Leinfelden-Echterdingen, Germany (18.11.2021); - <i>Research stage</i> in „Quantifying the economic impact on the environment by analyzing costs using specific software in the field of environmental engineering” at ALMA MATER STUDIORUM - Università di Bologna, Bologna, Italy (24.07.2021-31.07.2021); - <i>Training</i> in „Phytotechnologies for environmental cleanup - online” at 3rd Euro-Mediterranean Conference for Environmental Integration (EMCEI 2021) (10.06.2021-13.06.2021); - <i>Research stage</i> in „Ecotoxicity methods used for biomonitoring of environmental pollutants” at École Nationale Supérieure de Chimie de Rennes, Rennes, France (05.11.2019-05.12.2019); - <i>Research stage</i> in „Quantifying the impacts of chemicals in plants on human health through life cycle analysis” at Technical University of Denmark, Lyngby, Denmark (02.09.2018-03.10.2018); - <i>Training</i> in „Health, environmental and life cycle impacts in different assessment frameworks” at Technical University of Denmark, Lyngby, Denmark (05.02.2018-08.03.2018); - <i>Research stage</i> in „Dynamic modelling of pesticide transport along the food chain through an approach based on “impact pathway” using dynamiCROP modelling tool” at Technical University of Denmark, Lyngby, Denmark (22.10.2017-19.11.2017); - <i>Guest researcher</i> at École Nationale Supérieure de Chimie de Rennes, Rennes, France (22.07.2017-31.07.2017); - <i>Training</i> in „Simulation software for probabilistic event and risk analysis. Learn probabilistic event and risk analysis using simulation”, organized by ReliaSoft, Copenhagen, Denmark (08.06.2017-10.06.2017); - <i>Training</i> in „Life cycle assessment - GaBi Jump Start”, organized by Thinkstep Organization, Echterdingen, Stuttgart, Germany (6.04.2017); - <i>Summer School</i> Sino-EU Doctoral School for Logistics, Information, Management, and Service Science, organized by Beijing Jiaotong University, International Center for Informatics Research, Beijing, China (21.08.2015-30.08.2015); - <i>Training</i> in „Concepts in environmental science and engineering” - International Training Workshop on Environmental and Occupational Health, „Gheorghe Asachi” Tehnical University of Iași, Iași, Romania (2009). |
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Additional information SCIENTIFIC ACTIVITY

86 published papers (**39/22** papers in ISI Journals/ISI Proceedings; **22** papers in BDI journals, **3** papers in Conference Proceedings); **5** monografies published at a national publishing house, **9** book chapters published at national publishing houses, **5** book chapters published at international publishing houses, **1** laboratory guide; over **100** presentations at international and national conferences with oral/poster communications; member of the organizing committee in **5** international conferences; Project Manager: **2** PED projects, **1** TE and **3** MC projects; Project member: **9** (**5** IULS and **4** TUIASI);

Hirsch index: **H=17**, Web of Science, **H=20**, Scopus and, **H=22**, Google Scholar.

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| Other interests | Aerobic/fitness, nutrition, reading, music, dancing, animal welfare, vegan and raw vegan cooking, meditation, yoga |
| Driving license | Category B |

12.06.2024

Signature

