

Curriculum vitae Europass



Personal information

Name surname **PLAVAN Oana-Alexandra**

Adress Technical University "Gheorghe Asachi" Iasi, Faculty of Chemical Engineering and Environmental Protection "Cristofor Simionescu", Boulevard Profesor Dimitrie Mangeron 41, Iasi 700050.

E-mails) oana.plavan@tuaisi.ro; oana_j2005@yahoo.com;

Nationality(s) Romanian

Date of birth 1987

Sex Feminin

Professional experience

12 years

Period **February 2023 - present**

Occupation or position held **Post-doctoral** researcher in the project: "Innovative and sustainable solutions for priority and emerging pollutants removal through advanced wastewater treatment processes" (SUSTINWATER), Contract PN-III-P4-ID-PCE-2020-1199, no. 56/2021, project manager: Prof. univ. dr. eng. Carmen Teodosiu.

Main activities and responsibilities Scientific research activities;
Testing sequantial or simultaneous sorbents on synthetic water and real wastewater in column, of PPs and Eps;
Environmental performances evaluation of innovative materials testing in column operating conditions.

Name and address of employer Technical University "Gheorghe Asachi" Iasi, Faculty of Chemical Engineering and Environmental Protection "Cristofor Simionescu", Boulevard Profesor Dimitrie Mangeron 41, Iasi 700050.

Type of business or sector Scientific research

Period **January 2021- present**

Occupation or position held **Scientific Researcher**

Main activities and responsibilities Scientific research activities in research projects;
Quality indicators analyzes: CBO₅, CCO-Cr, total N, heavy metals and other relevant analyzes for the laboratory activity in the Renar accredited laboratory "Laboratory for Analysis and Control of Environmental Factors"-LACMED Responsible for Risks.

Name and address of employer Technical University "Gheorghe Asachi" Iasi, Faculty of Chemical Engineering and Environmental Protection "Cristofor Simionescu", Boulevard Profesor Dimitrie Mangeron 41, Iasi 700050.

Type of business or sector Scientific research

Period **October 2018 - December 2020**

Post-doctoral researcher in the project "Integrated and sustainable processes of environmental depollution, reuse of wastewater and valorization of waste (SUSTENVPRO)" Contract 26PCCDI/2018, Project Director prof.univ.dr.eng. Carmen Teodosiu

Main activities and responsibilities Scientific research activities; Carrying out complex analyzes of priority pollutants from various matrices of water use, biota and sediments and identifying the risks to ecosystems and human health; Statistical processing of experimental data and evaluation of environmental performance based on the methodology of environmental impact and risk assessment; Responsible for Risks within the Renar accredited laboratory, "Laboratory for Analysis and Control of Environmental Factors"-LACMED.

Name and address of employer Technical University "Gheorghe Asachi" Iasi, Faculty of Chemical Engineering and Environmental Protection "Cristofor Simionescu", Boulevard Profesor Dimitrie Mangeron 41, Iași 700050.

Period **November 2014 - September 2018**

Occupation or position held **Sales Representative**

Main activities and responsibilities Sales of medical and laboratory equipment; Preparation of price offers and documentation for participation in SEAP sales auctions.

Employer name and address SC AQUATOR IASI SRL; Street Gheorghe Săulescu 15, Iași 700259.

Type of activity or sector of activity Sales

Education and Training

Period **2011-2015**

Qualification / diploma obtained Doctor's degree in **Environmental Engineering** with doctoral thesis: **Impact on the environment and bioaccumulation of heavy metals in aquatic organisms in the Romanian sector of the Black Sea**, doctoral supervisor Prof. univ. dr. ing. Carmen Teodosiu

The main subjects studied / professional skills acquired Environmental impact and risk assessment; Integrated Environmental Management/ Laboratory tests; Environmental impact and risk assessments; Writing scientific papers; Participation in national and international conferences.

Name and type of educational institution / training provider Technical University "Gheorghe Asachi" Iasi, Faculty of Chemical Engineering and Environmental Protection "Cristofor Simionescu".

Level in national or international classification Level **8** (according ISCED)

Period **2009-2011**

Qualification / diploma obtained **Master's degree in Environmental consulting**

Main subjects studied Environmental legislation; Environmental protection and sustainable development; Environmental pollution; Ecosystems and risk factors; Environmental policies and strategies; Environmental consultancy.

Name and type of educational institution / training provider	"Alexandru Ioan Cuza" University Iasi, Faculty of Biology, Field of Environmental Science, Environmental Consulting Specialization.
Level in national or international classification	Level 7 (according ISCED)
Period	2006-2009
Qualification / diploma obtained	Bachelor's Degree in Environmental Science
Main subjects studied	General microbiology; Hydrobiology; Saprobiology; Deterioration of ecosystems; Phytopathology; Biochemistry; General chemistry, Didactic mode; Teaching practice.
Name and type of educational institution / training provider	"Alexandru Ioan Cuza" University Iasi, Faculty of Biology, Field of Environmental Science, Environmental Consulting Specialization.
Level in national or international classification	Level 6 (according ISCED)

Personal skills and competences

Language (s) default (s)	Romanian
Foreign language(s) known	English; French; Spanish;

Self evaluation <i>European level (*)</i>	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	Writing
English	C1 Experienced user	C2 Experienced user	C1 Experienced user	C1 Experienced user	C1 Experienced user
French	B2 Independent user	C2 Experienced user	B2 Independent user	B1 Independent user	B2 Independent user
Spanish	B1 Independent user	C1 Independent user	B1 Independent user	B1 Independent user	B2 Independent user

(*)[The level of the Common European Framework of Reference for Foreign Languages](#)

Social skills and competences	Professionalism, methodological competence, responsibility, promptness and correctness in the services provided with due respect for deadlines; Sociability, quick learning ability; The experience of teamwork since college, by participating in activities assumed by the practical and research projects carried out; Presentation/promotion of laboratory activities during the visits made by pre-university students.
Organisational skills and competences	Organizational spirit, member of the organizing committee of the International Conference on Environmental Engineering and Management, ed. 11 (ICEEM11), held between Sept. 8-12. 2021, Muttenz, Switzerland; Organization of Workshops; Team work experience; Preparation of activity reports.

Technical skills and competences	Working skills with: UV/VIS; microscopy with fluorescence and phase contrast; Multi N/C carbon and nitrogen analyzer (TOC, TIC, TN, TC, NPOC, NPOC+); microscopy; environmental analyses; toxicological and ecotoxicological analyses; maintenance / optimization / standardization of laboratory equipment; preparation of reagents; Installation and maintenance of laboratory and field equipment; Field sampling; Carrying out physico-chemical analyses.
Computer skills and abilities	A good use of graphic applications: Power point, Photoshop, MS Office, Origin 8; Power point presentations, statistical processing.
Scientific activity	<p>- 13 articles published in ISI quoted journals with an impact factor (2 articles in the red zone and 7 in the yellow zone). - 230 citations (SCOPUS), Hirsch-index= 6 (SCOPUS).</p> <p>Other specialization activities: May 2022 - Training on line: Hach's Answers to Wastewater Challenges. Part III: Effluent Monitoring and Water Reuse". March 2019 - Member in the organization of the "What do you know about water?", competition Technical University "Gheorghe Asachi" Iasi, Faculty of Chemical Engineering and Environmental Protection "Cristofor Simionescu". Noiembrie 2018 - Participation in the ISO 17025/2018 Risk Manager course, Bucharest, Romania.</p> <p>May 2013 - Specialization in atomic absorption spectrometry (HR-CS-AAS), at Analytik Jena, Uberlingen, Germany. October 2011 - April 2015 - Collaboration in research activities with the staff of the Aquatic Ecology and Ecotoxicology Laboratory at the Faculty of Biology, "Alexandru Ioan Cuza" University in Iasi. September 2013 - October 2014 - Collaboration with the National Institute of Marine Research and Development "Grigore Antipa" Constanța, the National Administration "Romanian Waters", the Prut-Barlad Water Basin Administration (Chemistry Laboratory) and the Dobrogea Water Basin Administration - Litoral. 2009 - 2011 - Collaboration with the Association "Young Romanian Ecologists from Iasi" during the master's studies.</p> <p>Member within research contracts: - Project PN-III-P4-ID-PCE-2020-1199, no. PCE 56/2021, Innovative and sustainable solutions for priority and emerging pollutants removal through advanced wastewater treatment processes (SUSTINWATER), project manager: Prof. univ. dr. eng. Carmen Teodosiu. - Complex project carried out in CDI consortia: PN-III-P1-1.2-PCCDI-2017-0245; Contract 26PCCDI/2018 Integrated and sustainable processes of environmental depollution, wastewater reuse and waste valorization (SUSTENVPRO), PCCDI project director, prof. univ.dr.eng. Carmen Teodosiu. - Project no. 521PED/2020, "Sand/polyelectrolyte composite microparticles with high loading/release capacity of inorganic/organic compounds from polluted waters" (POLYSAND), project manager: Prof. Univ. Dr. Eng. Carmen Teodosiu. - Contract no. 234 of 06.11.2020 (reg. no. TUIASI 23360 of 10.11.2020), Study on the treatability of water from the Prut River, the drinking water treatment plant of Darabani city, Botoșani county within the beneficiary's project "Support for the preparation of the financing application and of the award documents for the regional project for the development of water and wastewater infrastructure in Botosani County, in the period 2014-2020", Beneficiary: SC TADECO CONSULTING SA, Contract Director: lecturer. dr. eng. Corina Musteret.</p>

- Contract 107 of 14.06.2021 (reg. no. TUIASI 16306 of 17.06.2021), A) Study on the treatability of underground water (from the boreholes in Tinoasa and Sanzieni), the drinking water treatment plant of Targu Secuiesc, Covasna county and B) Study on the treatability of the water from the Cosmos stream, the drinking water treatment plant of the Baraolt locality, Covasna county within the beneficiary's project "Support for the preparation of the financing application and the award documents for the regional project for the development of water infrastructure and wastewater from Covasna county, in the period 2014-2020", Beneficiary: SC TADECO CONSULTING SA, contract director/laboratory coordinator LACMED: prof. univ.dr.eng. Carmen Teodosiu.

Driver's license(s) Category B driver's license

Data
03.03.2023

A handwritten signature in black ink, consisting of several stylized, overlapping strokes.