




**BREABAN IULIANA GABRIELA**



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 Sex F | Nationality Romanian

WORK EXPERIENCE

- from - 2018  
2018

**Ph.D. Supervisor 5 Ph. D, students**  
**Habilitation certificate in Environmental Science**  
 OMEN 4265/08.08.2017  
 ▪ ISI WOS - H-index - 8, 233 citation; Scopus - H-index - 8, 222 cit.; Google Scholar - H-index -11, 443 cit  
**Business or sector** Research and academic
- From 2014

**Coordinator of Laboratory 4 "Enviromatica" CERNESIM / ICI-UAIC center**  
 "Alexandru Ioan Cuza" University, Iasi (Romania) <http://cernesim.uaic.ro/index.php/ro/echipa>
- From 2009

**Associate professor**  
 "Alexandru Ioan Cuza" University, Iasi (Romania), Faculty of Geography and Geology, Department of Geography
- 2004–2009

**Lecturer**  
 "Alexandru Ioan Cuza" University, Iasi (Romania), Faculty of Geography and Geology, Department of Geography  
**Business or sector** teaching and research
- 1999–2004

**senior researcher**  
 "Alexandru Ioan Cuza" University, Iasi (Romania), Faculty of Geography and Geology, Department of Geography  
**Business or sector** research and teaching
- 1997–1999

**Researcher**  
 "Alexandru Ioan Cuza" University, Iasi (Romania), Faculty of Geography and Geology, Department of Geography  
**Business or sector** research and teaching
- 1992–1997

**Junior researcher**  
 Technical University "Gh. Asachi" Iasi, Faculty of Industrial Chemistry, Department of Environmental engineering  
**Business or sector** research and teaching
- 1989–1992

**Chemical engineer**  
 Postav Azuga (Romania)  
**Business or sector** industry

EDUCATION AND TRAINING

30/05-01/06/2018	<p><b>Certificate of completion</b>  <b>Application of Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS) to Earth Sciences</b>          University of Perugia - Dept. of Physics and Geology</p>	
2017-2018	<p><b>Psychopedagogical module level I and II</b>          DPPD Alexandru Ioan Cuza" University, Iasi (Romania),</p>	
23/11/2015–28/11/2015	<p><b>Certificate of completion - Isofood Hg Training Quality assurance for Hg measurements in food and environmental samples</b>          ISO-FOOD ERA Chair, Ljubljana (Slovenia)</p>	
10/2015	<p><b>Certificate of completion</b>          TAAS Consultancy, Iasi (România)</p>	Project Manager
2001–2003	<p><b>Master of Science Degree – Soil Science</b>          Alexandru Ioan Cuza" University, Iasi (Romania), Faculty of Geography and Geology, Department of Geography - diploma No 361 from 24.09.2019</p>	7 CEC
1990–1999	<p><b>Doctoral studies</b>          Biotechnology " "Research in the field of biodegradable composite materials", supervised by: prof. Valentin I. Popa          Gh. Asachi" Technical University Iasi, Faculty of Industrial Chemistry, Environmental engineering Nr. 1328 din 14.02.2000</p>	8 CEC
1990–1999	<p><b>Bachelor degree</b> Chemical engineer          Iasi Polytechnical Institute –Faculty of Technology and Chemical Engineering of Textiles, specialization: Chemical Technology of Textile Products, graduated with very good results: general mark 9.48 (scale 10 highest, 4 fail). 10 for research project for chemical engineer degree supervised by prof. dr. Romen Butnaru "The influence of preliminary treatments of cellulose with the aim to introduce anionic groups" diploma series G nr. 44363 /7.11.1989</p>	5 CEC

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C2	C2	C2
French	B1	B1	B1	A2	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
 Common European Framework of Reference for Languages  
 2018-Certificat **Cambridge Assessment English**

**Main area of interest**

▪ Monitoring of environmental factors, Impact studies, Environmental chemistry, Environmental pollution and protection, Methods for remediation of degraded environment, GIS, Remote sensing

- GIS / RS techniques and statistical methods applied in the study of environmental factors;
- Quality of aquatic systems;
- Geochemical distribution of some elements in various environments
- Environmental impact assessment;
- Urban soil research;
- Ecological and enzymatic studies on soil resources in different forest ecosystems,
- The quality of the urban environment;
- The natural stability of the lands and the role of the geochemical and anthropic factors in the destabilization of the lands

**Membership**

2017\_ European Geoscience Union  
2017- National Society of Environmental Science and Engineering -SNSIM  
2010- Balkan Environmental Association - B.EN.A 2004- International Union of Soil Sciences;  
2000 - European Society for Soil Conservation - ESSC  
2000 - National Society of Geography - SNG 2000 - National Society for Soil Science - SNRSS  
secretary of the Iasi branch 2006 -2009

**Diplomas and awards**

2004 – Honorary degree and jubilee medal -Centenary of education in Geography at University “Al.I.Cuza” of Iasi  
2006 – Jubilee medal – „100 years of Soil Science in Romania” 1906 – 2006  
2014 – Womens’s Annual Science and Technology Excellence Award 2014 “Magda Petrovan” STAGES- UAIC  
2009 2013, 2018, 2019, 2020 – CNCSIS prize for ISI article

**Publications**

1. Books in academic publishing houses: 12, of which 4 as sole author, 4 in collaboration and 3 author of some chapters  
2. Scientific articles: 127, of which 108 (30 ISI + 19 proceedings. ISI + 64 BDI) +19 conference: volumes + 23 abstracts.

**Projects**

Director: 2 Member of the POS-CCE management team: 1 Partnership team coordinator: 1  
Collaborator: 32

**Citations**

Over 200 citations of own contributions in ISI Web of Knowledge, 30 citations of own contributions in specialized books or non-ISI scientific publications

## period 2012 - 2021

Faculty of Geography and Geology, Department of Geography

**License** -specialization Environmental Geography

- Environmental Chemistry, first year, (2012 - present);
- General biochemistry, 2<sup>nd</sup> year; 2h / week, (2010 - present);
- Integrated environmental monitoring 3<sup>rd</sup> year, specializations Environmental Geography and Hydro-weather; 2h / week, (2012 - present);
- Environmental pollution and sustainable waste management, 3<sup>rd</sup> year, 2h / week, sem. II. (2012 - 2015)

**Master in Current Environment and Sustainable Development** (2002- present);

- Special issues in environmental chemistry, 1st year, (2012— currently)
- Management of environmental projects. Environmental assessments and impact studies 2<sup>nd</sup> year
- Modern methods and techniques of environmental depollution 1<sup>st</sup> year, (2012— 2019)

**Doctoral School of Geosciences (2019-present)**

- Trends in fundamental and applied research
- Experimental techniques, processing and presentation of results in the field of specialization

## period 2002 - 2012

Basic Elements of Environmental Chemistry; Methodology for preparing impact studies; Environmental Chemistry; Modern methods and techniques of environmental pollution; Methodology of chemical soil analysis; Soil pollution; Elements of general chemistry and biochemistry; Technology adapted to environmental protection; Remediation of degraded soils; Agrochemistry;

**Period 1999-2000, 1998-1999** - associate assistant at the University "Al.I. Cuza" Iași, Faculty of Chemistry, for the disciplines: Analytical Chemistry, Instrumental methods of analysis

**1996-1997, 1995-1997** - associate license and dissertation supervisor in the field of pulp and paper.

**1993-1994, 1992-1993** - associate assistant at the Technical University of Iasi, Faculty of Industrial Chemistry, in the disciplines: Basics of chemical technology and analytical chemistry

**Bachelor / master thesis supervising**

Coordination of over 85 bachelor's theses and over 40 dissertation papers within the master's degrees in Soil Science, Current Environment and Sustainable Development, Geomatics  
Member of the doctoral guidance commissions since 2011 -10 doctoral students  
Responsible for occupational safety and security within the department;

**Practical student applications**

Over 45 specialized field applications, coordinated between 1999-2019

- Coordinator of a student scientific circle: "Environmental studies"

1992 - Postgraduate courses "Managers for research and development institutions" organized by the Science Department of the Ministry of Education and the Romanian Association of managerial consulting. (Bucharest)

1998- courses of the Summer School "Glycobiology, Glycopathology, Glycotechnology" organized by the French Ministry of Education and Research and by the Cultural Service of the French Embassy in Bucharest, (Iasi)

2001 - Postgraduate courses "Project Management", A.I. Cuza "Iasi

2002 - specialization at INRA- Versailles - Arras-Orleans, Plaisir-Grignon (National Institute of Agronomic Research) «Balance of major elements in different ecosystems»

2006 - International Training Workshop On Environmental and Occupational Health: Environmental Science and Engineering: Strategies to Address Environmental Health Problems, Training and Research in Environmental Health - The Balkans (TREHB), Program 2 D43 TW00641- 02, Supported by the NIH / Fogarty International Center, USA, July, 2006, Bucharest

2007 - International Training COURSE on "Environmental Chemistry" June, 2007, Bucharest

2009, Short term Research internship in Environmental Health at Michigan State University, won through international competition and supported by the NIH / Fogarty International Center, with the theme "Determination of Elements in Natural Matrix (Water, Biota, and Soil Samples) Using the ICP-MS technique",

2013 - Quality, communication innovation in the system of continuous training of teachers in higher education POSDRU / 87 / 1.3 / S / 63709 Neptune June 2013

2015 - IsoFood Hg Training Quality assurance for Hg measurements in food and environmental samples 25th-27th November, Jožef Stefan Institute Ljubljana, Slovenia, ISO-FOOD received funding from the European Union's Seventh Framework Program for research, technological development and demonstration under grant agreement no 621329 (2014-2019). ERA Chair

2018- Application of Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS) to Earth Sciences, 30 / 05-01 / 06/2018 Perugia, ITALY, Dept. of Physics and Geology, University of Perugia

**ADDITIONAL INFORMATION****Membership****Member of editorial teams:**

2000 -2010 "Factors and pedogenetic processes in the temperate zone" new series,  
2014-2020 Current Environment and Sustainable Development

<http://www.pesd.ro/Editorial%20Board.html>

**Member of the organizing committee**

2008-2020 Present Environment and Sustainable Development

2015- Workshop- Territorial resilience and gender inequalities in Romanian cities Member of the scientific and organizing committee:

2016- Hydrogeology Conference "Certainties and uncertainties in research and use of groundwater resources "

2015 - CSA 2015 JOINT INTERNATIONAL CONFERENCE 8th International Symposium on Cement Based Materials for a Sustainable Agriculture Environmental Approaches - Moving Forward Agricultural Farm Sustainability (CIGR International Symposium & B.EN.A Conference)

1997-2008- Pedogenetic factors and processes in the temperate zone

Founding member and main organizer from 2010 - 2019 of the National Student Symposium "Mihai David" ed. I-X

<http://enviromatica.ro/> and

<https://www.facebook.com/SimpozionulNationalStudentescMihaiDavid?ref=hl>

**Reviewer**

2021, 2020, 2019- Heliyon. 2021 - Present Environment and Sustainable Development.

2019 Analytical methods, Journal of food composition and analysis. -Elsevier 2018- Journal of Food Composition and Analysis –Elsevier. 2017- Pharmacological reports- Elsevier. 2015 - Ecological indicators – Elsevier. 2015 CSA 2015 Joint International Conference: 8th International Symposium on Cement-based materials for sustainable agriculture and environmental approaches - Advancing the sustainability of the agricultural farm / PERFORMANTICA. 2015 Scientific Annals of the Ștefan cel Mare University of Suceava. Geography Series Ștefan Cel Mare University Press

**Doctoral thesis**

Cluj - UBB - Faculty of Environmental Science from 2018, 2020-2 defenses

Iasi - Faculty of Geography and Geology - since 2013 - 2020 - 6 defenses

UMF Faculty of Pharmacy - since 2016 - 1 defense

Conf.dr.habil. ing. Iuliana Gabriela BREABĂN