



## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s) **ANDRONIC LUMINITA CAMELIA**  
Orcid Identifiers <https://orcid.org/0000-0002-3764-7313>  
Address(es) Eroilor, 29, 500036, BRASOV, ROMANIA  
Telephone(s) + [REDACTED]  
E-mail andronic-luminita@unitbv.ro  
Nationality Romanian  
Date of birth [REDACTED]  
Gender female

**Desired employment / Occupational field** Transilvania University of Brasov, Product Design and Environmental Faculty

### Work experience

Dates **02.2019**  
Occupation or position held Full Professor  
Main activities and responsibilities Teaching courses: Chemistry and Wastewater treatment (Bachelor level), Emerging Pollutants: source, advanced processes of depollution and Environmental Chemistry (Master level), Guidance for student thesis, practice guidance (tutoring); Mentoring student scientific research.  
Name and address of employer Transilvania University of Brasov, Product Design and Environment Faculty, Eroilor, 29, 500036, Brasov-Romania  
Type of business or sector Education and Research  
Dates **03.2013-02.2019**  
Occupation or position held Associate Professor

Main activities and responsibilities Teaching courses: Chemistry and Wastewater treatment (Bachelor level), Advanced (Waste)Water Treatment and Environmental Chemistry (Master level), Guidance for student thesis, practice guidance (tutoring); Mentoring student scientific research.

Name and address of employer Transilvania University of Brasov, Product Design and Environment Faculty

Type of business or sector Education and Research

Dates **03.2008-03.2013**

Occupation or position held Lecturer

Main activities and responsibilities Teaching courses, seminars and laboratories, and academic guidance works

Name and address of employer Transilvania University of Brasov, Product Design and Environmental Faculty,

Type of business or sector Education and Research

Dates **10.2003-03.2008**

Occupation or position held Assistant Professor

Main activities and responsibilities Teaching seminars and laboratories

Name and address of employer Transilvania University of Brasov, Product Design and Environment Faculty, Eroilor, 29, 500036, Brasov-Romania

Type of business or sector Education and Research

## Education and training

Dates 08.08.2018

Title of qualification awarded **Habilitation in Environmental Engineering**

Name and type of organisation providing education and training Technical University of Cluj-Napoca-Romania

Dates 06.2010-05.2013

Title of qualification awarded **Postdoctoral researcher**

Main activities and responsibilities Research and reporting according to a set plan in national and international projects (95%). The instruction associated with this research (5%).

Principal subjects/occupational skills covered Ceramic materials, Semiconductors, Materials synthesis (sol-gel, doctor blade, photochemical deposition, spray pyrolysis deposition), Materials characterisation (XRD, FT-IR, AFM, contact angle, UV-VIS, DSC, optoelectronic properties), Wastewater analysis and treatment, Advanced Oxidation Process, Photocatalysis,

Name and type of organisation providing education and training Transilvania University of Brasov-Romania

Dates 10.2003-02.2010

Title of qualification awarded **Doctor of Science (Material Science and Engineering)**

Main activities and responsibilities Research and reporting according to a set plan in national and international projects. Research according to a set plan for thesis. Instruction and thesis supervision.

Principal subjects/occupational skills covered	Ceramic materials, Semiconductors, Materials synthesis (sol-gel, doctor blade, photochemical deposition, spray pyrolysis deposition), Materials characterisation (XRD, FT-IR, AFM, contact angle, UV-VIS, DSC, opto-electronic properties), Wastewater analysis and treatment, Advanced Oxidation Process, Photocatalysis,
Name and type of organisation providing education and training	Transilvania University of Brasov-Romania
Dates	10.2006-02.2008
Title of qualification awarded	Master of Science
Principal subjects/occupational skills covered	Nanomaterials in Environmental and Industry, Advanced Environmental Chemistry, Metrology in Chemistry, Basic of RES, Advanced Polymers, Sustainable Development, ECO Design, Environmental Impact Assessment, Project Development, Environmental Biotechnology, Electrochemical and Mechanical Corrosion
Name and type of organisation providing education and training	Master: Applied Chemistry in Environment and Industry Transilvania University of Brasov-Romania
Dates	10.1990-07.1995
Title of qualification awarded	Bachelor in chemistry and physics
Principal subjects/occupational skills covered	Inorganic Chemistry, Organic Chemistry, Analytical Chemistry, Catalysis and Catalyst, Macromolecular Chemistry, Physical-Chemistry, Electrochemistry, Physics of solids,
Name and type of organisation providing education and training	Babes-Bolyai University, Faculty of Chemistry and Engineering Chemistry, Cluj-Napoca-Romania

- Training**
- Advances in Nanocomposite materials: preparation and characterization, Bucharest, 2012-grant COST (COST-TS-ECOST-TRAINING\_SCHOOL-MP0902-030912-020683).
  - Eco-chemie SPR – Electrochemistry and Corrosion – Seminar and Training, Brasov, Romania, 2006.
  - Atomic Force Microscopy (AFM) - Training, Brasov, 2006.
  - Conservation and Sustainable Development of River Mouth Ecosystems, Wetlands and Lagoons, NATO Science Programme, Advance Study Institute, Galati, Romania, 2004.

## Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment <i>European level</i>	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
<b>English</b>	C1	C1	C1	C1	C1
<b>French</b>	B2	B2	B2	B2	B2

<b>Social skills and competences</b>	<ul style="list-style-type: none"> <li>- Educational skills. Organization and participation in teamwork with young people.</li> <li>- I adapt well to multicultural environments and to working in multi-language teams.</li> <li>- I have a good communication capacity.</li> </ul>
<b>Technical skills and competences</b>	<ul style="list-style-type: none"> <li>- As a part of my research, I was responsible for setting up and maintaining our in-house databases.</li> <li>- Competences in advanced materials characterization (AFM, SEM, XRD, UV-VIS, FT-IR) and wastewater characterization (UV-VIS, TOC, AAS)</li> </ul>
<b>Organisational skills and competences</b>	<p>I was a member in the organizing committee of many international conferences: The International Conference on Trends in Environmental Education-EnvEdu Brasov, Romania, editions: 2005, 2006, The International Conference on Materials Science &amp; Engineering-BRAMAT- Brasov, Romania, editions: 2005, 2007, The International Conference for Sustainable Energy-CSE-Brasov, Romania, edition 2005, 2008, 2011, 2011, 2014, 2017</p> <ul style="list-style-type: none"> <li>- Able to contribute effectively to immediate and external teams.</li> <li>- Able to lead small research teams and/or large fieldwork teams effectively.</li> <li>- Able to establish and maintain effective communication with other team members.</li> </ul>
<b>Computer skills and competences</b>	Microsoft Office, Corel Draw, Origin, ChemOffice, and so on.
<b>Membership in professional and scientific associates</b>	Romanian Society of Chemistry-since 2006
<b>Scientific expert positions</b>	<b>Reviewer in scientific ISI journals:</b> Thin Solid Film, Vacuum, Journal of Hazardous Materials, Chemical Engineering Journal, Materials Science and Engineering B, Materials Letter, Materials Chemistry and Physics, Central European Journal of Chemistry, Desalination, Journal of Catalysis, Applied Catalysis B: Environmental, Molecules.
<b>Peer-review activity for international programs/projects</b>	<p><b>Project evaluator for the international project:</b> WATER JPI 2018, Sultan Qaboos University, University of Camerino, Italy, National Science Centre Poland</p> <p><b>Project evaluator in H2020 calls:</b></p> <ul style="list-style-type: none"> <li>- HORIZON-CL5-2021-D3-03-03: Hybrid catalytic conversion of renewable energy to carbon-neutral fuels,</li> <li>- HORIZON-JTI-CLEANH2-2022-1, Clean Hydrogen JU Call 2022-1, HORIZON-JTI-CLEANH2-2022-01-03: Development of low-temperature water electrolyzers for highly pressurised hydrogen production</li> <li>- HORIZON-JTI-CLEANH2-2022-2, Clean Hydrogen JU Call 2022-2</li> <li>- IHI / Innovative Health Initiative Joint Undertaking, 2023</li> </ul> <p><b>Technical and scientific evaluator for the international projects:</b> M-ERA NET, COFUND-WATER WORKS ERANET, ERA-SIINN, ERANET-COFASP, ERANET-INCOMERA, ERANET-MARINE BIOTECHNOLOGY, ERANET-PROSAFE, ERANET-MANUNET II</p> <p><b>Technical and scientific evaluator for the national project-</b> UEFISCDI – BRIDGE GRANT, INNOVATIVE CLUSTER, PN II</p>

- Diploma of Excellence in 2013 for remarkable results in a scientific activity offered by Brasov County Council, Romania
- Guest Editor invited at special issue "Structurally and Elementally Promoted Nanomaterials for Photocatalysis", Journal: International Journal of Photoenergy, 2014.
- Guest Editor invited at Research Topic: Solid Inorganic Structures for the Catalytic Wet Oxidation of Industrial Organic Pollutants in Water, In Frontiers in Chemistry, 2019 (Impact factor: 5.545 in 2022), Editors: Kun Liu, Luminita Andronic, Jose G. Carriazo.
- Guest Editor invited at Special Issue "Nanomaterials and Nanotechnology for Detection, Identification and Removal of Contaminants", in Nanomaterials (Impact Factor: 5.719 in 2022), Editors: Luminita Andronic, Smagul Karazhanov, Vitor Vilar
- Guest Editor invited at Special Issue "Green Synthesis of Nanomaterials for Environmental and Biomedical Applications", in Nanomaterials (Impact Factor: 5.719 in 2022), Editors: Luminita Andronic, Jagpreet Singh
- Guest Editor invited at Special Issue "Applications of Nanomaterials for Electrocatalysis, Photocatalysis, Photoelectrochemical Solar Cells and Toxicity", in Nanomaterials (Impact Factor: 5.719 in 2022), Editors: Smagul Karazhanov, Luminita Andronic

**Author and co-author** of scientific and professional papers with over 68 publications in peer-reviewed journals and conference proceedings, 62 publications indexed in ISI Thomson Journals, 4 chapters in the monograph, and 2 books. More than 1700 citations, according to Scopus and Google Scholar, participated in many national and international conferences.