



**Europass
Curriculum Vitae**

Personal information

First name(s) / Surname(s) **ANDRONIC LUMINITA CAMELIA**
Orcid Identifiers <https://orcid.org/0000-0002-3764-7313>
SCOPUS <https://www.scopus.com/authid/detail.uri?authorId=15126824300>
Web of Science Researcher <https://www.webofscience.com/wos/author/record/1194319>
ID: B-6474-2009
Google Scholar <https://scholar.google.com/citations?user=N3nYhV4AAAAJ&hl=en&oi=ao>
Address(es)
Telephone(s)
E-mail andronic-luminita@unitbv.ro
Nationality Romanian
Date of birth
Gender female

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

Work experience

Dates **02.2019**
Occupation or position held 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 Transilvania University of Brasov-Romania

providing education and training

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 Master: Applied Chemistry in Environment and Industry

providing education and training 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 Babes-Bolyai University, Faculty of Chemistry and Engineering Chemistry, Cluj-Napoca-Romania

providing education and training

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

Social skills and competences	<ul style="list-style-type: none"> - Educational skills. Organization and participation in teamwork with young people. - I adapt well to multicultural environments and to working in multi-language teams. - I have a good communication capacity.
Technical skills and competences	<ul style="list-style-type: none"> - As a part of my research, I was responsible for setting up and maintaining our in-house databases. - Competences in advanced materials characterization (AFM, SEM, XRD, UV-VIS, FT-IR) and wastewater characterization (UV-VIS, TOC, AAS)
Organisational skills and competences	<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 & 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"> - Able to contribute effectively to immediate and external teams. - Able to lead small research teams and/or large fieldwork teams effectively. - Able to establish and maintain effective communication with other team members.
Computer skills and competences	Microsoft Office, Corel Draw, Origin, ChemOffice, and so on.
Membership in professional and scientific associates	Romanian Society of Chemistry-since 2006
Scientific expert positions	<p>Reviewer in scientific ISI journals: 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.</p>
Peer-review activity for international programs/projects	<p>Project evaluator for the international project: WATER JPI 2018, Sultan Qaboos University, University of Camerino, Italy, National Science Centre Poland</p> <p>Project evaluator in H2020 calls:</p> <ul style="list-style-type: none"> - HORIZON-CL5-2021-D3-03-03: Hybrid catalytic conversion of renewable energy to carbon-neutral fuels, - 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 - HORIZON-JTI-CLEANH2-2022-2, Clean Hydrogen JU Call 2022-2 - IHI / Innovative Health Initiative Joint Undertaking, 2023 <p>Technical and scientific evaluator for the international projects: M-ERA NET, COFUND-WATER WORKS ERANET, ERA-SIINN, ERANET-COFASP, ERANET-INCOMERA, ERANET-MARINE BIOTECHNOLOGY, ERANET-PROSAFE, ERANET-MANUNET II</p> <p>Technical and scientific evaluator for the national project- 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: S. Karazhanov, L. Andronic

Scopus Author metrics: ISI articles: **60**, citations (Scopus): **1300**, International collaboration **26.9%**, Documents in top citation percentiles: **69.2%**, Documents in top **25%** journals: **84%**, FWCI: **1.1** Hirsch index: SCOPUS: **23**, Web of Science: **25**, Google Scholar: **27**.

Project management experience (in the last 6 years)

Year	Project title - Role – Funder – Budget – link to project webpage
2024-2028	Nature-Based Solutions for Demonstrating Climate-Resilient Critical Infrastructure , NATURE-DEMO, HORIZON 101157448, Partner, Total budget 8,682,008.75€ (UNITBV budget: 400,000 €) https://www.nature-demo.eu
2020-2023	Multifunctional 3D photocatalytic systems for environmentally friendly sustainable technologies , ERANET-M.-3D-PHOTOCAT, Grant ERANET no.169/2020, Project Coordinator, Ministry of Education and Research/ UEFISCDI, Total budget: 708.480 Lei (147,600 €) https://sites.google.com/view/3d-photocat/
2019 - 2022	Theoretical and Experimental Study of Transition Metal Oxyhydride Nanomaterials for superconductivity and photocatalysis , ERANET-M.-TESTIMONIES, Grant ERANET no.114/2019, Project Coordinator, Ministry of Education and Research/ UEFISCDI, Total budget: 752.000 Lei (160,000 €) https://sites.google.com/view/photocatalysis/home

Other relevant professional experiences

Year	Description - Role
Institutional responsibilities	
2020-present	Coordinator of the <i>Environmental Engineering Doctoral Program</i> at the Doctoral School of Transilvania University of Braşov
2020-2024	Council Members of the Product Design, Mechatronics and Environment Department
Membership in national committees	
2020-2024	<i>Member of the National Council for Certification of Titles, Diplomas, and University Certificates (CNATDCU), Environmental Engineering domain:</i> Member of the commission (2020 – 2024)
2024-2028	<i>Member of the National Council for Certification of Titles, Diplomas, and University Certificates (CNATDCU), Environmental Engineering domain:</i> Member of the commission (2024 – 2028)