



**Elena -Simina Lakatos**

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**Skype:** \_\_\_\_\_

**Gender:** Female **Date of birth:** 07/03/1984 **Nationality:** Romanian

**FIELD OF ACTIVITY**

*Circular economy, bioeconomy, EC standardization, green transition, data-driven public policies, multi-level governance, industrial symbiosis, circular settlements, green-blue infrastructures, climate resilience, energy efficiency, digital product passport, EU and DNSH taxonomy, PEF/LCA/TEA, circular public procurement, ESG and CSRD reporting, Scope 1-3 carbon accounting, circular materials in construction, material passport, BIM & digital twins, eco-design & reparability, waste management & EPR, social economy, living labs & co-creation, climate changes.*

**SCIENTIFIC TITLE**

**Senior Researcher I (CSI), PhD. Eng. Ec. Habil.**

**FIELDS OF COMPETENCE**

*Studies on circular economy and bioeconomy applied in agri-food; multi-level governance and public policies. Standardization in circular economy; EC indicators and monitoring (MFA, LCA/PEF, TEA). Circular public procurement, value chain due diligence and ESG/CSRD reporting. Green-blue planning and climate resilience. Energy efficiency and green energy infrastructures. Social entrepreneurship and circular business models in rural areas.*

**WORK EXPERIENCE**

**Positions - current and previous**

Year	Job title – Employer - Country
2025-present	PhD supervisor in Engineering and Management in Agriculture and Rural Development, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca (USAMV), Romania
2012 - present	President and CEO (CSI.dr.eng.ec.). Institute for Research in Circular Economy and Environment "Ernest Lupan", Romania
2016- 2017	Executive Director Eco-innovation Cluster for a Sustainable Environment – CLEMS, Romania
2012 - 2025	Associated Professor at Faculty of Industrial Engineering, Robotics and Production Management, Technical University of Cluj-Napoca (UTCN), Romania

**Project management experience**

Year	Project title - Role - Funder - Budget - link to project webpage
2026-present	CLIMACARE: Climate-Resilient Adaptive Environments for Urban Health and Social Equity, HORIZON-MISS-2025-01, Horizon Europe, project ID: 101296208, <b>Project manager</b> , budget 9,997,045.27 EUR.
2024 - present	European Partnership for a Sustainable Future of Food Systems - FutureFoodS, HORIZON-CL6-2023-FARM2FORK-01-9 Fair, healthy and ecological food systems, from primary production to consumption, Horizon Europe, project ID: 101136361, <b>Member</b> , budget 368 125.00 EUR.
2024 - present	Revolutionary Refurbishment For An Efficient And Eco-Friendly Hydropower- RevHydro, HORIZON-CL5-2024-D3-01-07 Sustainable, secure and competitive energy supply, project ID:101172857, <b>Member</b> , budget 440 737 EUR.

2024-present	Boosting the uptake of emerging technologies in circular economy implementation in construction and buildings industry in Danube region to sustainably harness the tween transition for greener future-CIRCULAR DIGIBUILD, Project ID: DRP0200309 - <b>Responsible</b> , Interreg Europe Danube Region Programme, <i>budget 130 000 EUR</i> .
2023 - present	Boosting Circular Economy Innovation through emerging technologies application- CEI BOOST, INTERREG EUROPE 2021-2027, project ID: 01C0228, <b>Responsible</b> , <i>budget 174240. EUR</i> , <a href="#">link</a>
2023 - present	Research and development services and related consulting services, within the project "European regions promoting renewable energy self-sufficiency -EXPRESS", Contract no. 104750/14.09.2023, <b>Project manager</b> , <i>budget 18 163 EUR</i> , Beneficiary Alba Iulia City Hall
2022 - present	National engagement activities to support the launch of the Mission 'A Soil Deal for Europe' 100 Living Labs and Lighthouses -NATIOONS, project ID: 101090738 - HORIZON-MISS-2021-SOIL-02-7, <b>Project manager</b> , <i>budget 98 188 EUR</i> , <a href="#">link</a>
2022	Services for the elaboration of studies within the project "BiOReSC - Bistrita, Resilient city in the face of climate change": Batch 1 - "Study on the development of green-blue urban planning measures" Contract no. 10L/09.03.2023, <b>Project manager</b> , <i>budget 11 305.69 EUR</i> ; Batch 3 - "Study on the identification of areas (including roads) with low storm water drainage capacity" Contract no 161L/20.10.2022, <b>Project manager</b> , <i>budget 12 345.05 EUR</i> ; Batch 5 - "Study on the identification at the municipal level of areas at high risk to climate change (heat islands, meteorological data, availability of water resources and population agglomeration at specific points)" Contract no. 162L/20.10.2022, <b>Project manager</b> , <i>budget 12 345.05 EUR</i> , <a href="#">link</a>
2019 - 2023	Social Entrepreneurship and Social Enterprises in Transylvania "ASIST" - Human Capital Operational Programme 2014-2020, project ID: POCU/449/4/16/1226610, <b>Responsible</b> , <i>budget 404 582 EURO</i> , <a href="#">link</a>
Feb 2022 - Aug 2023	Researcher of the consultancy team - Romania's Strategy for the Transition to a Circular Economy (ROCES) 2020-2030". Contract ID: REFORM/SC2022/027-064/28.11.2018, Beneficiary: Department of Sustainable Development, Romania Government. Making reports after sectoral consultations with stakeholders from construction, water, energy and waste sectors for development of the Romanian CE Strategy (ROCES project) 2020-2030 <b>Responsible</b> , <i>budget 10 000 EUR</i> , <a href="#">link</a>
2020-2022	Effectiveness of Environmental Urban policies to improve Resources Efficiency", Activity Alba Iulia Municipality Action Plan in transition to the Circular Economy, Acronym: EURE, Interreg Europe Project, Contract ID: 92186/15.09.2020, <b>Project manager</b> , <i>budget 20 000 EUR</i> , Beneficiary Alba-Iulia City Hall, 2020-2022.
2020-2022	"Connecting and empowering local authorities with Research capacities to unlock the full potential of circular Economy Lupan-COLOR CIRCLE", Interreg Europe Project, Contract ID: 24743-23/14.07.2020, <b>Project manager</b> , <i>budget 14 000 EUR</i> .
Aug 2019- Nov 2020	Elaborating the "Strategy on the transition from the linear economy to the circular economy of the municipality of Buzau in accordance with the European directive EU 2018/848 and the Establishment of the Action Plan for the time horizon 2020-2030" - Contract ID: 101480/27.08.2019, <b>Project manager</b> , <i>budget 21 276 EUR</i> , <a href="#">link</a>
Jul 2020- Nov 2020	Elaborating the "Development Strategy of Cugir City for the time horizon 2021-2017 with focus on circular economy principles" - Contract ID:73/11994/20.07.2020, <b>Project manager</b> , <i>budget 20 408 EUR</i> .
2019-2020	Act for sustainable consumption and production in the context of circular economy in line with sustainable development goals", Acronym: ACT4SCP, ERASMUS+ Project, Call 2019-2-RO01 - KA105, Code: 1062720, 2019-2020, <b>Project manager</b> , <i>budget 25 235 EUR</i> , <a href="#">link</a>
2018-2020	„Study on the impact of green labels on sustainable development objectives in Romania" Conducted within the Institute for Research in Circular Economy and Environment "Ernes Lupan", Contract no.027/IRCEM/17.09.2018, 2018-2020, <b>Member</b> , <i>budget 20 120 EUR</i> .
2018 - 2020	„Circularize ValUe CHains across European Regional Innovation Strategies". Run under Fundingbox Accelerator SP. Z O. O., Poland, funder: European Commission, Call H2020-INNOSUP-01-2017, Project ID. 777773, <b>Member</b> .
2018 - 2019	„Creative use of waste for a circular economy -3REUSE", ERASMUS+ Project, Call 2018-2-RO01-KA105, Project ID: 049963, <b>Member</b> , <i>budget 21 441 EUR</i> , <a href="#">link</a>
Feb 2018 - May 2018	Feasibility Study for Forestry and Hunting Centre for Resource Effectiveness, Municipality Stari Jankovci, Croatia, code cod DTP1-1-072-1.1, <b>Project manager</b> , <i>budget 5 000 EUR</i> .

[ 08/2025]

**Qualification Certificate No. 6094/29.08.2025**

*Habilitation in Engineering and Management in Agriculture and Rural Development, University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca*

**City:** Cluj-Napoca

**Country:** Romania

[ 10/2024 – 01/ 2025 ]

**Postgraduate in Solutions and Actions for the Decarbonization of Companies**

*Advanced Postgraduate Programs, Technical University of Cluj-Napoca*

**City:** Cluj-Napoca

**Country:** Romania

**Level in EQF:** EQF level 6

[ 02/2022 – 05/2022 ]

**Postgraduate in Energy efficiency and sustainability for energy managers and energy professionals**

*Advanced postgraduate programs, Technical University of Cluj-Napoca*

**City:** Cluj-Napoca

**Country:** Romania

**Level in EQF:** EQF level 6

[ 10/2016 – 06/2018 ]

**M.Sc. in Sustainable development and environmental management**

*Babeş-Bolyai University, Faculty of Environmental Science and Engineering*

**City:** Cluj-Napoca

**Country:** Romania

**Level in EQF:** EQF level 7

[ 07/2015 – 08/2015 ]

**Scholarship “Moscow Summer Academy 2015 on Economic Growth and Governance of Natural Resources”**

*Moscow State University "Lomonosov"*

**City:** Moscow

**Country:** Russia

**Level in EQF:** EQF level 6

Studying endogenous growth theory and new drivers of economic growth: focusing on integration and sustainability;

Mutual feedbacks and economic, climate and systems institutional change ecological systems;

Nonlinearities, mathematical modelling of structural changes, regime shifts and tipping points in the functioning of human earth systems;

Studying sustainable behavior: institutional design;

Cooperation, fairness and resource sharing;

The Arctic, the case of a rapidly changing socio-ecological nonlinear system.

[ 10/2008 – 09/2011 ]

**Doctor of Engineering and Management**

*Technical University of Cluj-Napoca and University of Oulu*

**City:** Cluj-Napoca

**Country:** Romania and Finland

**Level in EQF:** EQF level 8

Title of PhD thesis: Corporate social responsibility through business-NGO partnerships for sustainable development

[ 10/2006 – 06/2010 ]

**Diplomatic engineer**

*Technical University of Cluj-Napoca, Faculty of Materials and Environmental Engineering*

**City:** Cluj-Napoca

**Country:** Romania

**Level in EQF:** EQF level 6

**Economist****Babes-Bolyai University, Faculty of Business****City:** Cluj-Napoca**Country:** Romania**Level in EQF:** EQF level 6**OTHER RELEVANT  
PROFESSIONAL  
EXPERIENCES**

<b>Year</b>	<b>Description Role</b>
<b>Member of advisory boards for Public RDI and SD Policies</b>	
2025- present	<b>Member of the Academic Sounding Board on Cohesion for Transitions Community of Practice (C4T)</b> , European Commission, Belgium
2024- present	<b>Member of the Code of conduct for social economy data management and sharing (CoC-SE)</b> , European Commission, Belgium
2024- present	<b>Member of the working group for the implementation of the “Action Plan for the Circular Economy Strategy (PAEC) of Romania”</b> , according to MMAP Order no.72037/12.04.2024, Romania
2022 - present	<b>Chair Subgroup ECoPP-</b> Partnership Selection; 2028+ Future funding period European Community of Practice on Partnership, European Commission, Belgium
2021 - 2025	<b>Vice-Chair of the Advisory Board for Research, Development and Innovation (CCCDI), Ministry of Research, Innovation and Digitization</b> , according to MCID Order no. 20897/2022, Romania
2017 - 2022	<b>Member of the European Circular Economy Stakeholder Platform (ECESP)</b> , European Economic and Social Committee and European Commission, Belgium
<b>Membership in academic societies</b>	
2022 – present	<b>Member</b> of the General Association of Engineers in Romania, the Romanian Managers and Economical Engineers Association, and the Romanian Association for Standardization, Romania.
2021 - present	<b>Chair of the CT 398- Standardization in the field of Circular Economy</b> , Romanian Standardization Association- ASRO, Romania
<b>Official Expert Delegate</b>	
2018	<b>Official Expert Delegate of the European Economic and Social Committee in the circular economy</b> for the United Nations, USA
<b>Reviewer</b>	
2022 – present	<b>Expert Evaluator for European projects</b> (H2020-GOVERNANCE; HORIZON – 2024-GOVERNANCE; HORIZON-CL6-2025-GOVERNANCE; HORIZON-CL4-INDUSTRY-2025--MATERIALS) Expert number EX2019D366113-102
2022 - present	<b>Expert Evaluator for national projects</b> (PNCD III, IV, PNRR)
2017 – present	<b>Reviewer</b> in more than 30 scientific journals indexed in Web of Science and Scopus such as, Journal of Clean Production, Hydrology, Recycling, Sustainability, Social Sciences, Water, Forests, Buildings, Horticulturae, Molecules, International Journal of Environmental Research and Public Health, Mathematical and Computational Applications, Administrative Sciences, Infrastructures, Journal of Risk and Financial Management, Mathematics, Data, Atmosphere, Resources, Systems, Journal of Open Innovation: Technology, Market, and Complexity.
2023- present	<b>Guest editor of the journals indexed in Web of Science and Scopus: Processes (ISSN 2227-9717), Sustainability (ISSN 2071-1050),</b>
<b>Supervision of Graduate Students &amp; Postdoctoral Fellows</b>	
2012 - present	1 Postdocs/9 PhDs/7 MSc students Department of Research, Development and Innovation, Institute for Research in Circular Economy and Environment "Ernest Lupan", Romania
<b>Scientific Meetings Organisation</b>	

2023	<b>Member of the Organizing Board</b> of E3S Web of Conferences- International Conference on Sustainable, Circular Management and Environmental Engineering (ISCMEE 2022, 2023), (co-president)
<b>FELLOWSHIPS and AWARDS</b>	
2024	AWARD: <b>Diploma of Excellence for European Leader in Sustainable Competitiveness</b> , Eurolink - House of Europe, with the support of the Romanian Academy.
2021	AWARD: <b>SMART SUSTAINABLE CONCEPT- Social circular economy</b> , Research Team, Sustainability in Business Awards 2021, The Diplomat, Bucuresti, Romania
2010	AWARD: <b>Excellence honor as the best Bachelor student of 2010</b> at the Faculty of Materials and Environmental Engineering, Technical University of Cluj-Napoca, Romania

## LANGUAGE SKILLS

**Mothertongue(s):** Romanian

**Other language(s):**

### English

LISTENING C2 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

### Italian

LISTENING C1 READING C1 WRITING B2

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## DIGITAL SKILLS

Microsoft Office (Word , Excel and Power Point ) | Adobe (Adobe Photoshop, Adobe Illustrator, Adobe | CorelDraw design | AutoCad (2D, 3D) | Solidworks software

## DRIVING LICENCE

**Cars:** B

## DOCUMENTATION VISITS

- [ 2016 ] Coompanion Kooperativ Utveckling Skaraborg, Skaraborg, Sweden
- [ 2014 ] Peking University, Beijing, China
- [ 2023 ] Malaga University, Spain

## BRIEF SCIENTOMETRY PARAMETERS

Publications & Patents	Projects
<ul style="list-style-type: none"> <li>✓ 70 papers (WoS h-index 10; GS:1134 citations);</li> <li>✓ 20 conference presentations;</li> <li>✓ 4 book chapters;</li> <li>✓ 4 books;</li> <li>✓ 3 guest editors in special issues;</li> <li>✓ 1 patent.</li> </ul>	<ul style="list-style-type: none"> <li>Project Director/Manager: 16</li> <li>Project Responsible: 3</li> </ul>

Cluj-Napoca, 01.05.2026