

**Elena -Simina Lakatos**

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

THE POSITION FOR WHICH IT APPLIES:**Application for the National Consultant opening in the Research Sector Modernization project in Romania****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.***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
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, Member , 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, Member , 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 - Responsible , 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, Responsible , <i>budget 174240. EUR</i> , link
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, Project manager , <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, Project manager , <i>budget 98 188 EUR</i> , link
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, Project manager , <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, Project manager , <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, Project manager , <i>budget 12 345.05 EUR</i> , link
2019 - 2023	Social Entrepreneurship and Social Enterprises in Transylvania "ASIST" - Human Capital Operational Programme 2014-2020, project ID: POCU/449/4/16/1226610, Responsible , <i>budget 404 582 EURO</i> , link
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 Responsible , <i>budget 10 000 EUR</i> , link
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, Project manager , <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, Project manager , <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, Project manager , <i>budget 21 276 EUR</i> , link
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, Project manager , <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, Project manager , <i>budget 25 235 EUR</i> , link
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, Member , <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, Member .
2018 - 2019	"Creative use of waste for a circular economy -3REUSE", ERASMUS+ Project, Call 2018-2-RO01-KA105, Project ID: 049963, Member , <i>budget 21 441 EUR</i> , link
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, Project manager , <i>budget 5 000 EUR</i> .

EDUCATION AND TRAINING

[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

[10/2003 – 06/2007]

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

**OTHER RELEVANT
PROFESSIONAL
EXPERIENCES**

Year	Description Role
Member of advisory boards for Public RDI and SD Policies	
2025- prezent	Member of the Academic Sounding Board on Cohesion for Transitions Community of Practice (C4T) , European Commission, Belgium
2024- present	Member of the Code of conduct for social economy data management and sharing (CoC-SE) , European Commission, Belgium
2024- present	Member of the working group for the implementation of the “Action Plan for the Circular Economy Strategy (PAEC) of Romania” , according to MMAP Order no.72037/12.04.2024, Romania
2022 - present	Chair Subgroup ECO-PP - Partnership Selection; 2028+ Future funding period European Community of Practice on Partnership, European Commission, Belgium
2021 - present	Vice-Chair of the Advisory Board for Research, Development and Innovation (CCCDI), Ministry of Research, Innovation and Digitization , according to MCID Order no. 20897/2022, Romania
2017 - 2022	Member of the European Circular Economy Stakeholder Platform (ECESP) , European Economic and Social Committee and European Commission, Belgium
Membership in academic societies	
2022 – present	Member of the General Association of Engineers in Romania, the Romanian Managers and Economical Engineers Association, and the Romanian Association for Standardization, Romania.
2021 - present	Chair of the CT 398- Standardization in the field of Circular Economy , Romanian Standardization Association- ASRO, Romania
Official Expert Delegate	
2018	Official Expert Delegate of the European Economic and Social Committee in the circular economy for the United Nations, USA
Reviewer	
2022 – present	Expert Evaluator for European projects (H2020-GOVERNANCE; HORIZON – 2024-GOVERNANCE;) Expert number EX2019D366113-102
2022 - present	Expert Evaluator for national projects (PNCD III, IV, PNRR)
2017 – present	Reviewer 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	Guest editor of the journals indexed in Web of Science and Scopus: Processes (ISSN 2227-9717), Sustainability (ISSN 2071-1050),
Supervision of Graduate Students & Postdoctoral Fellows	
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
Scientific Meetings Organisation	
2023	Member of the Organizing Board of E3S Web of Conferences- International Conference on Sustainable, Circular Management and Environmental Engineering (ISCMEE 2022, 2023), (co-president)
FELLOWSHIPS and AWARDS	
2024	AWARD: Diploma of Excellence for European Leader in Sustainable Competitiveness , Eurolink - House of Europe, with the support of the Romanian Academy.

2021	AWARD: SMART SUSTAINABLE CONCEPT- Social circular economy , Research Team, Sustainability in Business Awards 2021, The Diplomat, Bucuresti, Romania
2010	AWARD: Excellence honor as the best Bachelor student of 2010 at the Faculty of Materials and Environmental Engineering, Technical University of Cluj-Napoca, Romania

LANGUAGE SKILLS

Mother tongue(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
✓ 70 papers (WoS h-index 9; GS:956 citations); ✓ 20 conference presentations; ✓ 4 book chapters; ✓ 4 books; ✓ 3 guest editors in special issues; ✓ 1 patent.	Project Director/Manager: 15 Project Responsible: 3

Cluj-Napoca, 01.10.2025