

PERSONAL INFORMATION

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WORK EXPERIENCE

2021 – Present **Lecturer Phd**

Alexandru Ioan Cuza University, Iasi (Romania)

As a lecturer in geography specializing in computer science, GIS, and applied quality of life and territorial resilience, I find myself at the intersection of technology and human-environment interactions. My role involves teaching students how to leverage computational tools and geographic information systems to analyze spatial data, model environmental processes, and assess community well-being. I guide them in exploring the complex relationships between people, places, and technology, with a focus on enhancing resilience in various territorial contexts. This multidisciplinary approach allows me to blend traditional geographic concepts with cutting-edge digital methods, preparing students to address real-world challenges in urban planning, disaster management, and sustainable development. It's a dynamic field that constantly evolves, keeping me engaged and excited to share new discoveries and methodologies with my students.

2017 – Present **Former vicepresident and Founding member**

Iasi.travel Association

As the founding member and former vice president of the Association of Iasi Travel, I played a key role in developing tourism initiatives for Iasi and the broader Moldova region. My responsibilities centered on implementing projects aimed at enhancing the area's tourism potential. This involved identifying unique local attractions, improving tourism infrastructure, and promoting Iasi's cultural and historical heritage. By collaborating with local authorities, businesses, and other stakeholders, we worked to increase visitor numbers and establish Iasi as a prominent destination within Romania's tourism landscape.

2023 – Present **Vicepresident and sustainable development responsible**

CIVICA Association

The Vice President responsible for urban sustainability in the CIVICA association from Iasi plays a crucial role in promoting active citizenship and good governance through the lens of sustainable urban development. This position involves leading initiatives to enhance the city's environmental performance, advocating for green spaces, sustainable transportation, and energy-efficient infrastructure.

01/10/2017–2021 **Teaching assistant**

Alexandru Ioan Cuza University, Iasi (Romania)

I conceive, design, and organize engaging seminar activities, annual projects, and practical studies that delve into spatial statistics, territorial planning, and quality of life assessments. My responsibilities also include developing laboratory exercises that allow students to apply theoretical concepts in real-world scenarios. Additionally, I design tourism practices that give students hands-on experience in understanding geographical principles in the context of travel and hospitality. This multifaceted role allows me to support students' academic growth while fostering their critical thinking and analytical skills in various geographic disciplines.

01/10/2017–01/02/2018 **Scientific Researcher**

Iasi Municipality

As a Scientific Researcher responsible for developing the Tourism Strategic Framework of Iasi Municipality, I focus on integrating tourism development with spatial planning principles. My role involves analyzing the city's cultural and historical assets, assessing current tourism infrastructure, and identifying opportunities for sustainable growth. I collaborate with local stakeholders to create a

comprehensive strategy that enhances Iasi's appeal as a destination while preserving its unique character. My work aims to balance economic benefits with environmental conservation and community needs, ensuring that tourism development aligns with the city's overall urban planning goals.

01/04/2020 – Present

Scientific Researcher

My position involves analyzing current tourism trends, assessing the county's natural and cultural resources, and collaborating with local stakeholders to create a comprehensive strategy. I use data-driven approaches to identify opportunities for sustainable tourism growth while considering environmental conservation and community needs. My work aims to balance economic development with preserving Neamt's unique heritage, ultimately contributing to a cohesive spatial plan that enhances the county's appeal as a tourist destination.

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01/08/2011–01/10/2017

Associate professor

Alexandru Ioan Cuza University - Iasi, Iasi (Romania)

01/10/2016–01/04/2017

Researcher

Alexandru Ioan Cuza University, Iasi (Romania)

Planning Thematic Routes in Iasi Municipality

01/04/2014–31/12/2014

Research Assistant

ESPON - Alexandru Ioan Cuza University, Iași (Romania)

Dissemination of ESPON concepts at local and regional level - ESPON on the ROAD project

EDUCATION AND TRAINING

01/08/2011–30/07/2016

PhD

EQF level 8

University Alexandru Ioan Cuza - Faculty of Geography and Geology, Iași (Romania)

Evaluating quality of urban life using a multi-scale approach. Case Study: Iași Municipality

As a researcher exploring the complexities of urban living, my PhD thesis focuses on evaluating the quality of urban life in Iași Municipality using a multi-scale approach. This study aims to provide a comprehensive assessment by examining various aspects of city life at different levels, from individual neighborhoods to the city as a whole. By employing a range of quantitative and qualitative methods, I seek to uncover the intricate relationships between urban design, social dynamics, and residents' well-being in this Romanian city. My goal is to contribute valuable insights that can inform urban planning policies and improve the overall quality of life for Iași's inhabitants.

01/08/2009–30/06/2011

Master's Degree

EQF level 7

Alexandru Ioan Cuza University, Faculty of Geography and Geology, Iași (Romania)

Regional Development

Urban Studies

01/08/2006–30/06/2009

Bachelor Degree

EQF level 6

Alexandru Ioan Cuza University, Iași (Romania)

Human Geography

Physical Geography

PERSONAL SKILLS

Mother tongue(s) Romanian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	B2	B2	B2	C1
French	B2	B1	B1	B1	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

I possess strong communication skills honed through diverse experiences during my university years. My involvement in various projects spanning social, scientific, educational, and motivational domains, coupled with volunteering for different associations, has enhanced my ability to convey ideas effectively across varied contexts. Additionally, my role in organizing symposiums and scientific congresses has further refined my communication prowess, particularly in professional and academic settings. These experiences have equipped me with the versatility to adapt my communication style to different audiences and situations.

Organisational / managerial skills

I excel at coordinating diverse teams and managing complex projects. My multidisciplinary background enables me to lead effectively across various domains, as demonstrated by successfully overseeing two high-profile initiatives with local government bodies. I've honed my organizational abilities through planning large-scale scientific events and orchestrating challenging expeditions worldwide. My strength lies in fostering collaboration, adapting to dynamic environments, and guiding teams to achieve ambitious goals, even under demanding circumstances.

Job-related skills

I possess a diverse set of job-related skills that blend education, technology, and urban planning. My experience includes training and coordinating students on bachelor and scientific projects, demonstrating my ability to guide and mentor others. I'm well-versed in Geographical Information Systems and proficient in applying geospatial and geostatistical methods. My technical expertise extends to various mapping software, including ESRI, PhilCarto, and Envi 4. Through my involvement in scientific projects, I've gained valuable insights into the complex relationships within urban planning, allowing me to approach challenges with a comprehensive understanding of city dynamics..

Digital skills

My proficiency extends from everyday office software like Microsoft Word, Excel, and PowerPoint to more specialized tools for creative work such as Corel Draw, Adobe Creative Suite, and 3D modeling software like Blender and SketchUp. I'm particularly adept at using Geographic Information Systems (GIS) like ArcGIS and ENVI, skills I've developed through dedicated courses. Additionally, I'm familiar with 3D printing processes, using software like Prusa Slicer to bring digital designs into the physical world.

Other skills

Organizing research expeditions in the past 15 years in various isolated places (Pamir Alps, Atlas, Caucasus, Australian subtropical forest, the Carpathians, Andes) with notable achievement for performance and the Romanian mountaineering world.
Tour guide in Romania and Republic of Moldova for foreigner tourists.

ADDITIONAL INFORMATION

Publications

A. Research articles

- [1] Breabăn I., Ceucă C., Rusu S., Stoican A., Roșu L., Țibuleac C. - Agricultural land use changes in the Valea Lupului between 1965 – 2010, Universitatea de Științe Agricole și Medicină Veterinară "Ion Ionescu de la Brad" Iași - lucrări științifice – vol. 53/2010, seria Agronomie;
- [2] Stoican A., Rusu S., Ceucă C., Roșu L., Breabăn I.- Present and prospects for the rural development of villages from Obcina Mestecaniș region, Universitatea de Științe Agricole și Medicină Veterinară "Ion Ionescu de la Brad" Iași - lucrări științifice – vol. 54/2011, seria Agronomie;
- [3] Iacob C., Rosu L., Blageanu A- Cellular Automata for urban growth, Geographica Timisiensis, Volume XXI

2012/2.

- [4] Blăgeanu A., Iacob C., Roșu L. - Simulation of suburban development features based on scenarios in the eastern side of Iasi city, *Geographia Napocensis* Anul VI, Nr. 2, 2012;
- [5] Roșu L., Oişte A., - Defining critical areas through dispersion and density of vegetation index in relation with population. Study case: Iași city, *Present Environment and Sustainable Development* vol. 7, no. 2, 2013;
- [6] Roșu L., Blăgeanu A., Iacob C., - Geomarketing - a new approach in decision marketing: case study – shopping centres in Iasi, *Lucrările seminarului geografic "Dimitrie Cantemir"* nr. 36, 2013.
- [7] Roșu L., Corodescu E., - Measuring distribution and derived inequalities in accessing urban green spaces within Iași city (Romania), *Analele Universității din Oradea – Seria Geografie* Year XXIII, no. 2/2013;
- [8] Roșu L. - Metode de analiză a accesibilității populației la mijloacele de transport în comun. Studiu de caz: Municipiul Iași, *Geographia Napocensis* Anul VII, Nr. 2, 2013 ;
- [9] Blăgeanu A., Roșu L. - Accesibility to general amenities; Determining the attractiveness of metropolitan Area of Iași City, *Geographica Timisiensis* Volume XXIII 2013/2.
- [10] Roșu L., Oişte A. M., - Urban landscape patterns of Iași city. Analysing city relations between urban land use, topography and inhabitants pressure upon urban morphology, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Agriculture*, Vol 71, No 1 (2014).
- [11] Roșu L., - Exploring the walkability concept in a post-socialist city through GIS analysis. The case study of Iași, Romania. *Analele Științifice ale Universității „Al. I. Cuza” Iași*, Tom LX, nr.2, s. II –c, *Geografie* 2014;
- [12] Rusu A., Bănică A., Buraga A., Roșu L., - Delineating catchment areas for the Eastern European Airports in 2010, *Analele Științifice ale Universității „Al. I. Cuza” Iași*, Tom LX, nr.1, s. II –c, *Geografie* 2014;
- [13] Thiam S., Roșu L., Faye O., Niang A.D., Muntele I. - Accesibility to basic urban services in Mbour City (Senegal): An approach based on geographical information system, *Present Environment and Sustainable Development*, Vol. 9, no. 1, 2015
- [14] Tudora D., Roșu L., Eva M., Dimitriu R., Rusu A., - Using factorial analyses for highlighting patterns of territorial development. The case study of Romania., *International Journal of Technical Research and Application* e-ISSN 2320-8163. Special Issue 13 (Jan-Feb 2015)
- [15] Roșu L., - The urban transformations of a post-socialist city centre. The socialist relics and current identity of Iași historical city centre. *Lucrările Seminarului Geografic Dimitrie Cantemir*, nr. 40, 2015
- [16] Roșu L., Corodescu E., Blăgeanu A., - Does geographical location matter? Assessing spatial patterns in perceived quality of life in European Cities. *European Journal of Geography*, Volume 6, No 2, 2015
- [17] Roșu L., Blăgeanu A. - Evaluating issues and performances of a public transport network in a post-socialist city using quantitative spatial approach, *Urbani Izziv*, volume 26, number 2, December 2015.
- [18] Cehan A., Bulai M., **Roșu L.**, - Using GIS techniques and geotagging to assess tourism density and attractiveness in the city of Iași, Romania, *Abstracts & Proceedings of SOCIOINT 2016- 3rd International Conference on Education, Social Sciences and Humanities*, 23-25 May 2016- Istanbul, Turkey
- [19] Bănică A., Grozavu A., **Roșu L.**, Muntele I., - Aspects concerning seismic vulnerability of buildings in Iași city, Romania, 16th edition of the SGEM International GeoConferences, SGEM2016 Conference Proceedings
- [20] Grozavu A., Muntele I., Bănică A., Roșu L., Stângă I., - A model for mapping physical vulnerability to landslides, 16th edition of the SGEM International GeoConferences, SGEM2016 Conference Proceedings
- [21] Bulai M., Eva M., **Roșu L.**, - *Analysis of Tourism features and Development Strategy for Memorial Complex "Imam Al Bukhari", Samarkand region, Uzbekistan*, *Tekhne*, Volume 14, Issue 2, December 2016.
- [22] Banica A., **Roșu L.**, Muntele I., Grozavu A., - *Towards Urban Resilience: A Multi-Criteria Analysis of Seismic Vulnerability in Iasi City (Romania)*, *Sustainability*, Volume 9, number 2, February 2017
- [23] **Roșu, L.**, Istrate, M., & Bănică, A. (2018). *Passenger car dependency and consequent air pollutants emissions in Iasi Metropolitan Area (Romania)*. *Environmental Engineering & Management Journal (EEMJ)*, 17(4).
- [24] Bulai, A. T., **Roșu, L.**, & Bănică, A. (2019). Patterns of urban fire occurrence in Iasi city (Romania). *Present Environment & Sustainable Development*, 13(2), 2019
- [25] Dinter, O., **Roșu L.**, (2021). *Evaluating the Potential Conflicts of Collective Housing Development in the Suburbs of Iași, Romania*, *Journal of Settlements and Spatial Planning*.
- [26] Oprea, Ana-Maria, **Lucian Roșu**, and Corneliu Iașu. "LEADER Program—An Inclusive or Selective Instrument for the Development of Rural Space in Romania?." *Sustainability* 13.21 (2021): 12187.
- [27] Oprea, A. M., **Roșu, L.**, & Corodescu-Roșca, E. (2023). West–East Differences in LEADER Program Results—The Expression of Wider Political and Governance Systems. In *Young Geographers: Showcasing Research Contributions in Geography* (pp. 19-35). Cham: Springer Nature Switzerland.
- [28] Oprea, A. M., Roșu, L., & Iașu, C. (2023). The Economic Impact of the LEADER Program in the Rural Communities of Romania. *Scientific Annals of Economics and Business*, 70(3), 399-420.
- [29] Bănică, a., Roșu, I., Șerban, I., & Muntele, I. (2023). Children's playgrounds for urban sustainability:(in) accessibility,(un) attractiveness and social (in) equity in Iași and Bacău municipalities (Romania). *Present Environment & Sustainable Development*, 17(1).

B. Books & book chapters

- [1] "Iași – șapte trasee turistice tematice. Manual de explorare urbană" (coordinator - Mihai Bulai). Editura Universității Alexandru Ioan Cuza Iași.
- [2] "Reziliența urbană și transformările orașului post-socialist. Exemplul municipiului Iași" în *Reziliență și teritoriu – Operaționalizarea conceptuală și perspective metodologice* (coordonator Alexandru Bănică, Ionel Muntele), Editura

Terra Nostra, 2015

[3] "O scurtă introducere a conceptului de calitate a vieții" în Calitatea vieții și reziliența sistemelor geografice (coordonator Ionel Muntele, Alexandru Bănică, Constantin Rusu), Editura Universitatea Alexandru Ioan Cuza, 2020);

[4] **"Moldova Accesibilă"** – Analiza Fluxurilor de persoane și de trafic rutier din regiune (coordonator George Țurcănașu) autori – **Lucian Roșu**, Eva Mihail, Adrian Covășnianu – **Editura Altfel Iasi 2020**

[5] **ATLAS. 20 DE FRANCOPHONIE EN EUROPE CENTRALE ET ORIENTALE 2014** (coordonator – Octavian Groza, autori Roșu Lucian, Alexandru Rusu et al) - Alexandru Ioan Cuza University Press, 2014

[6] **ATLAS. 30 DE FRANCOPHONIE EN EUROPE CENTRALE ET ORIENTALE 2024** (coordonator – Octavian Groza, autori Roșu Lucian, Alexandru Rusu et Gabor Vicențiu) - Alexandru Ioan Cuza University Press, 2024

C. Scientific reports

[1] Raportul anual al Punctului de Contact Espon din România decembrie 2011 – România în rapoartele ESPON din perspectiva accesibilității teritoriale - (coordonatori Octavian Groza, Alexandru Rusu, Ionel Muntele), Editura Universității Alexandru Ioan Cuza Iași, 2018.

[2] Raportul anual al Punctului de Contact Espon din România decembrie 2012 – România în rapoartele ESPON din perspectiva Strategiei Europa 2020 - (coordonatori Octavian Groza, Alexandru Rusu, Daniel Tudora), Editura Universității Alexandru Ioan Cuza Iași.

D. Doctoral thesis

Evaluating quality of urban life using a multiscale approach. Case Study: Iași Municipality