

Research interests:

- urban and periurban land processes
- urban green infrastructure
- landscape monitoring
- planning and policy evaluation

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h-index: 28 ([Google Scholar](#)); 24 ([Scopus](#))

EDUCATION

- 2015 **PhD in Geography**, Faculty of Geography, University of Bucharest, Romania.
▪ Thesis: Urban expansion in Romania: spatial characteristics and implications for landscape planning.
- 2012 **Master in Environmental Sciences**, Environmental Impact Assessment Programme, University of Bucharest, Romania.
- 2010 **Bachelor in Geography**, Faculty of Geography, University of Bucharest, Romania.

PROFESIONAL EXPERIENCE

- Since Feb 2023 **Researcher in Land System Analysis**, Swiss Federal Institute for Forest, Snow and Landscape Research (WSL), Land-use Systems Group, Switzerland.
- 2018 – 2023 **Postdoc Researcher & Lecturer**, Centre for Environmental Research and Impact Studies & Faculty of Geography, University of Bucharest, Romania.
- 2018 – 2019 **Visiting Researcher**, Centre for Global Change & Earth Observations (CGCEO) and College of Social Sciences, School of Planning, Design and Construction, Michigan State University, USA.
- 2014 – 2017 **Visiting PhD Student** (2014-2015) and **Postdoc Researcher** (2016-2017), Swiss Federal Institute for Forest, Snow and Landscape Research (WSL), Landscape Ecology Group, Switzerland.
- 2012 – 2015 **Research assistant** (2012- 2014) and **PhD Student** (2012-2015), Centre for Environmental Research and Impact Studies, University of Bucharest, Romania.

FELLOWSHIPS AND AWARDS

- 2018 – 2019 Fulbright Award to research at CGCEO and Michigan State University, USA.
- 2018 Excellence Award for Young researchers in planning, Romanian Association of Planners.
- 2014 – 2015 SCIEX Fellowship for PhD students, Swiss Federal Research Institute (WSL).

INVITED TALKS / EXPERT (selection)

- 2023 **Keynote speaker**, Conference Landscape Ecology Beyond Borders, 28-30 Sep, Italy.
- 2023 **Invited speaker at Centre of Excellence Talks**, Human-Environmental System Research Centre, Jagellonian University Poland, invitation Dr. Dominik Kaim, 11 May 2023 (1 h).
- 2023 **Invited speaker at Roundtable Resilience of local food systems**, invitation from Euro-Atlantic Resilience Centre, Ministry of External Affairs, Romania, 11 April 2023, Bucharest (1 day).
- 2022 **Invited lecturer at Bochum International Seminar on the Transformation of Urban Spaces (BISTUS)**, invitation from Geography Institute, Ruhr Bochum University, Germany (1 week).
- 2022 **Invited Expert within technical seminar organized by DG Regio** to prepare report for EU Commissioner for Cohesion and Reforms in the context of Regiostar Awards, 23 Jun 2022, Brussels, Belgium.

LEADERSHIP ROLES

- Since 2024 **Co-leader of the Swiss Landscape Monitoring Program LABES**, in collaboration with the Federal Office for the Environment.
- Since 2023 **Coordinator of WSL Group Green in urban and peri-urban environments**.
- Since 2022 **Co-leader – Working group Landscape planning**, International Association for Landscape Ecology (IALE).
- 2017 – 2025 **Secretary General of IALE-Europe** – the European branch of International Association for Landscape Ecology.

MEMBERSHIP IN EVALUATION BOARDS AND COMMITTEES

- Scientific Steering Committee** of the European Landscape Ecology Congresses in 2022 and 2025.
- Editorial Board** of the journals Landscape Ecology (since 2023-2025) and Landscape Online (since 2019).
- Jury member** for Excellence Award for Young researchers in planning, Romanian Association of Planners (2023).
- Evaluator of implementation proposals** for the European Green Belt, EURONATUR Stiftung (2022, 2023, 2024).

Jury member for RegioStars Awards, European Commission's Directorate-General for Regional and Urban policy (2021).

TEACHING ACTIVITY

ETH Zürich, Switzerland: *Landscape patterns and processes* (MSc, 5 ECTS), Lecture and seminar, taught together with others, Autumn 2023-2025; *Landscape ecology* (BSc, 3 ECTS), Lecture and seminar, taught together with others, Autumn 2023 -2025.

Rhur University Bochum, Germany: *Strategic planning for urban regions*, (MSc, 6 ECTS), Lecture and seminar, sole responsible. Autumn 2022.

University of Bucharest, Romania: *Project management* (MSc, 4 ECTS), Lecture and seminar, Autumn 2022; *Fundamentals in environmental policy* (MSc, 4 ECTS), Lecture and seminar, sole responsible, Autumn 2019 – 2021; *Monitoring of environmental policy* (MSc, 3 ECTS), Lecture and seminar, sole responsible, Spring 2020 - 2022; *Environmental geography* (BSc, 4 ECTS), Seminar, sole responsible, Autumn 2021; *Landscape functional and structural analysis* (MSc, 4 ECTS), Lecture and seminar, together with others, Autumn 2015; *Statistics for environment assessment* (MSc, 6 ECTS), Seminar, sole responsible, Autumn 2013; *Introduction to landscape ecology* (BSc, 3 ECTS), Seminar, taught together with others, Spring 2012-2014.

MENTORING OF DOCTORAL FELLOWS AND MASTER STUDENTS

PhD students: co-supervisor

ETH Zurich and WSL: *Daniels Saakjans* (ongoing; contribution to writing one scientific paper), *Franziska Schmidt* (defenced in 2024; contribution to writing one scientific paper), *Simona Bacau* (defenced 2021, advised on data availability for the study area, contribution to writing one scientific paper), *Sophie Rudolf* (defenced 2017, contributed to writing two scientific papers).

University of Bucharest: *Anca Georgiana Vasilescu* (ongoing, member of PhD advisory committee), *Nicu Alexandu Gilea* (ongoing, member of PhD advisory committee), *Raluca Slave* (expected defence 2025; main advisor for one scientific paper), *Diana Panzaru* (defenced 2023, advised on methods), *Denisa Badiu* (defended 2016, assisted in 2016 on selection of methods and analysis, contributed to writing one scientific paper).

Master students: main supervisor or co-supervisor

ETH Zurich and WSL: Ann Solveig Krouthen (main supervisor, 2025).

University of Bucharest:

Main supervisor of *Giorgiana Barbu* and *Costin Stama* for a 1-month research internship on *Mapping short food supply chains in urban areas* (March 2022).

Main supervisor of *Amina Hadni* for a 2-months research internship on *Food security policy within the European Union* (June – July 2021); served as main supervisor of her master thesis and was member of the evaluation committee during the defence at Université Paris-Nanterre, France.

Co-supervisor for: *Monica Paraschiv* (2021, now PhD student), *Larissa Stoia* (2019, now PhD student), *Teodora Tataru* (2019), *Alexandra Vrânceanu* (2018), *Diana Panzaru* (2017).

Prizes won by coordinated students: **2022** – ApaNova prize for research on provision of urban services at National Geography Students Symposium (*Giorgiana Barbu*, *Costin Stama*); **2021** – 3rd Place at National Geography Students Symposium, Romania (*Monica Paraschiv*); **2020** – 3rd Place at Conference for young researchers, Romania (*Monica Paraschiv*); **2017** – Best student paper – award by Geography Institute of Romanian Academy of Science (*Diana Panzaru*).

ORGANISATION OF SCIENTIFIC MEETINGS (selection)

Symposium *Planning approaches to reconcile growing and emergent demands on landscapes*, European Landscape Ecology European 2025, Bratislava, Slovakia; Lead-organizer.

Workshop *Advancing collaboration on the topic of green in urban and peri-urban environments: bridging human and environmental perspectives*, WSL Research Day 2025, Davos; Lead-organizer.

Symposium *Innovative planning and policy approaches for sustainable urbanized landscapes*, Landscape Ecology World Congress 2023, Nairobi, Kenya (25 speakers); Lead-organizer.

Symposium *Productive urban and peri-urban landscapes – benefits, co-benefits and new modes of planning*, Landscape Ecology World Congress 2023, Nairobi, Kenya (12 speakers); Co-organizer.

Symposium *Planning and policy approaches for future landscapes*, European Landscape Ecology Congress 2022, Warsaw, Poland (12 speakers), Lead organiser.

Webinar *Agricultural land abandonment as a global land use phenomenon*, 13 Dec 2021 (online), within Global Land Project (22 participants); Co-organizer.

Young Researchers Webinar Series – a platform for young landscape ecologists to present and receive feedback on their work, meet journal editors and potential employers; Jan to Oct 2021 (133 participants in total); Initiator and Lead-organizer. Symposium *Innovating teaching and learning landscape ecology to address the challenges of the Anthropocene*, Landscape Ecology World Congress 2019, Milan, Italy (20 participants); resulted in [Living Special Issue on Education in landscape ecology](#) hosted by Landscape Online; Co-organizer and Guest Editor.

FUNDED RESEARCH PROJECTS (in competition)

- 2026-2029 **Driving Urban Transitions, UNSEAL** - *Understanding and enabling the transition towards reverting soil sealing for improving urban biodiversity and nature-based solutions*, Swiss Federal Research Institute WSL; 3 years (Project Deputy and PI for Swiss partner).
- 2020 – 2022 **Romanian National Science Foundation**, *Integrating food provision into urban policies in the context of land use transformation and displacement*, postdoctoral grant, University of Bucharest; 2 years (PI).
- 2021 **ESPON EGTC**, *Local decision-making models in planning of urbanization in Romania*, University of Bucharest; 6 months (PI).
- 2018 – 2019 **Fulbright Commission**, *Contribution of spatial planning strategies to urbanisation patterns*; Michigan State University, Center for Global Change and Earth Observations; 4 months (PI).
- 2018 – 2020 **Romanian National Science Foundation**, *Conceptualizing urbanization as driver of land abandonment*; postdoctoral grant, University of Bucharest, 2 years (PI and main applicant).
- 2018 **Romanian National Science Foundation**, Researcher mobility project for a visit at Technical University of Lisbon for organisation of the IALE World Congress; three days (PI and main applicant).
- 2014 – 2015 **Scientific Exchange Programme NMSCH (SCIEX)** *Modelling Urban Sprawl and its Effect on Landscape Pattern*; PhD grant for conducting research at the Swiss Federal Research Institute WSL; 1-year (PI).

POSITION IN RESEARCH PROJECTS COORDINATED BY OTHERS

- 2024 – 2025 **Swiss Federal Office for the Environment** - Aktualisierung und Weiterentwicklung LABES 2024-2025. (researcher).
- 2021 – 2022 **Regional Development Fund** – The Large Infrastructure Operational Programme 2014-2020 (POIM), *Invasive species management in Romania according to REGULATION (EU) 1143/2014 on the prevention and management of the introduction and spread of invasive alien species*, (researcher).
- 2020 – 2021 **Romanian National Science Foundation (UEFISCDI)** – PI – Diana Onose, *Contribution of small urban green infrastructure in achieving environmental justice*, University of Bucharest (postdoc).
- 2020 – 2021 **Romanian National Science Foundation (UEFISCDI)**, PI – Alina Hossu, *Developing novel collaborative planning approaches to increase cities sustainability*, University of Bucharest (postdoc).
- 2016 – 2017 **ERC Consolidator Grant**, PI - Anna Hersperger, *From plans to land change: how strategic spatial planning contributes to the development of urban regions* (postdoc).
- 2012 – 2015 **Romanian National Science Foundation (UEFISCDI)**, DYNAHU - Dynamic interaction between the natural and human components based on the synergy of ecological and socio-economic factors in the rapidly urbanizing landscapes, University of Bucharest (PhD student).

MEMBERSHIP IN EVALUATION BOARDS AND COMMITTEES

Member of PhD evaluation committee: *Noemi Rota*, Department of Earth and Env. Sciences at University Milano-Bicocca (2024); *Raluca Andreea Slave* at Faculty of Geography, [University of Bucharest](#) (2025).

Scientific Steering Committee of the European Landscape Ecology Congress 2022, 2025.

Evaluator of research proposals: Postdoc Programme, [Latvian State Education Development Agency](#) (2020); Programme Exploratory Research Projects, [Romanian National Research Council](#) (2024), [European Cooperation in Science and Technology COST Association](#) (2025).

Evaluator of proposals within Mentoring Programme feM-LEAD aimed at supporting women, [ETH Domain](#), (2024).

Editorial Board of the journals [Landscape Ecology](#) (since 2023) and [Landscape Online](#) (since 2019).

Jury member for Excellence Award for Young researchers in planning, [Romanian Association of Planners](#), (2023).

Evaluator of implementation proposals for the European Green Belt, [EURONATUR Stiftung](#) (2022, 2023, 2024).

Jury member for RegioStars Awards, [European Commission's Directorate-General for Regional and Urban policy](#) (2021).

Recurrent reviewer for 20+ journals, E.g., Landscape and Urban Planning, Nature Scientific Reports, Ecosystem Services, Ecological Indicators, Land Use Policy, Urban Forestry & Urban Greening, International Journal of Environmental Research and Public Health, Transactions in GIS, Landscape Online.

ENGAGEMENT WITH PUBLIC AUTHORITIES AND OTHER STAKEHOLDERS

Evaluation and report provided to the Romanian Ministry of Regional Development on the use of urban growth boundaries by local governments for containment of built-up expansion (2022).

Technical assistance for the development of the first National Action Plan in Romania on management of invasive species; work conducted for the Romanian Ministry of Environment; *My role*: technical assistance on analysis of pathways of introduction, role of abandoned lands in spread of invasive species, proposals of mitigation measures (2021).

Ex-post evaluation of project implemented by Romanian National Agency of Land Registration on mapping Romania using Lidar technology, financed within Environment Programme under EEA and Norway Grants. *My role*: evaluation of implementation, field visits, provision of recommendations for improving the outcomes; resulted in report for EU Financial Mechanism Office's (2020).

Technical assistance for development of General Urban Plans for urban municipalities (Craiova, Calarasi, Eforie, Otopeni); *My role*: technical assistance on environmental impact assessment of proposed planning objectives, proposal of measures to ensure sustainable planning of the cities (since 2019).

Technical assistance provided to Buzau County Council (Romania) on implementation of Management Plans of Natura 2000 sites ROSCIOT90 Penteleu and ROSCI229 Siriu; *My role*: contribution to the feasibility study addressing the impact assessment of proposed management measures, financial cost estimation, proposal of management alternatives.

LANGUAGE SKILLS

Romanian: mother tongue.

English: proficient, C1 – listening, reading, speaking.

French: beginner, A2 reading, A1–listening and speaking.

German: intermediate, B1 – listening, reading, speaking;

telc-Zertifikat B1, obtained December 2023.

Italian: beginner, A2 – listening and reading, A1 – speaking.

COMMUNITY AND EDUCATIONAL PROJECTS

Presentation on the use of Landsat imagery for vegetation detection to a team of Romanian secondary school students taking part in the AstroPi Mission Space Lab by European Space Agency, 5 Jan 2022, Bucharest, Romania.

Volunteer at East Lansing Environmental Stewardship Program on removing problematic invasive plant species in parks and replacing them with native species, Oct 2018 – Jan 2019, East Lansing, Michigan, USA.

Project manager of [Bouldering@WSL](#) project involving organization, funding acquisition and construction of a bouldering (climbing) facility at the Swiss Federal Institute WSL, 2016-2017, Birmensdorf, Switzerland.

Co-applicant of educational project *One Landscape, Two stories: People and Birds*, funded by HeidelbergCement, Mar–Sept 2016. 3,000 €.

Main Applicant and Project Manager of educational project *In site learning. Studying biodiversity at the quarry*, funded by HeidelbergCement, Feb–Sept 2014. 1,500 €.

- Frezzi S., Cortinovis C., Carlsson C., Coussy S., Decoville A., Flexman K., **Gradinaru S.R.**, ... & Geneletti, D. (2025). Outlook on the knowledge gaps to reduce soil sealing and increase the reuse of urban soil. *Soils for Europe*, 1.
- Prishchepov A. V., Anders K., Feranec J., Goga T., **Gradinaru S. R.**, Kolář J., ... & Kupková, L. (2025). The progress and potential directions in the remote sensing of farmland abandonment. *Remote Sensing of Environment*, 331, 115019.
- Saakjans D., **Gradinaru S.R.**, Hersperger A.M. (2025). Planning multifunctional open and green spaces in Europe: Balancing the goals of efficiency and equity, *Landscape and Urban Planning* 264, 105489.
- Slave R., Popa A.M., Onose A.D., Esmail B.A., Albert C., Hossu A., Iojă C., **Gradinaru, S.R.**, (2025). Evaluating trends in the consideration of urban green space in strategic spatial planning: Insights from Romania. *Landscape and Urban Planning* 263, 105425.
- Gavrilidis, A. A., Zakerhaghighi, K., Popa, A. M., Akbarian, S. Z., Onose, D. A., **Gradinaru, S. R.**, & Slave, R. A. (2024). Perceptions of cultural ecosystem services provision by small public urban green spaces: perspectives from different cultural backgrounds. *Urban Ecosystems*, 1-18.
- Mitincu, C. G., **Gradinaru S.R.**, Iojă I. C., Hartel T., van Lierop M., Hossu C. A. (2023). The public consultation is open: insights from Urban Green Infrastructure planning in Romania. *Urban Forestry & Urban Greening*, 127985.
- Gradinaru S.R.**, Onose D. A., Oliveira E., Slave A. R., Popa A. M., Gavrilidis A. A. (2023). Equity in urban greening: Evidence from strategic planning in Romania. *Landscape and Urban Planning* 230: 104614.
- Gradinaru S.R.**, Iojă C.I. Paraschiv M., Van Vliet J. (2023). Conflicting interests between local governments and the European target of no land take. *Environmental Science & Policy* 142: 1-11.
- Pop I.M., **Gradinaru S.R.**, Popescu D.V., Iojă I.C., (2023) Emergency-line calls as an indicator of human-wildlife interactions in the urban fabric. *Ecosphere* 14 (2): e4418.
- Slave R.A., Iojă I.C., Hossu C.A., **Gradinaru S.R.**, Petrișor A.I., Hersperger A. (2023). Assessing Public Opinion Using Self-Organizing Maps. Lessons from Urban Planning in Romania, *Landscape and Urban Planning* 231: 104641.
- Sirbu C, Miu I., Gavrilidis A., **Gradinaru S.R.**, Nicolae I., Preda C., Oprea A., Urziceanu M., Camen Comanesc P., Nagoda E., Sirbu I., Memedemin D., Anastasiu P. (2022). Distribution and pathways of introduction of invasive alien plant species in Romania. *Neobiota* 75: 79-82.
- Gavrilidis A.A., Popa A.M., Onose D.A., **Gradinaru S.R.** (2022) Planning small for winning big: small urban green space distribution patterns in an expanding city. *Urban Forestry & Urban Greening* 78: 127787.
- Kaim D., Ziolkowska E., **Gradinaru S.R.**, Pazur R. (2022). Assessing the suitability of urban-oriented land cover products for mapping rural settlements, *International Journal of Geographical Information Science*. doi: 10.1080/13658816.2022.2075877.
- Pamukcu-Albers, P., Ugolini, F., La Rosa, D., **Gradinaru, S. R.**, Azevedo, J. C., & Wu, J. (2021). Building green infrastructure to enhance urban resilience to climate change and pandemics. *Landscape Ecology* 36: 665-672. **Number 1 in Top-10 Full-Text Article Requests in 2022 in Landscape Ecology Journal.**
- Gradinaru S.R.**, Iojă C.I., Vanau G.O., Onose D. A. (2020) Multi-dimensionality of land transformation: from definition to perspectives on land abandonment, *Carpathian Journal of Earth and Environmental Sciences* 15 (1), 167-177
- Gradinaru, S.R.**, Fan, P., Iojă, C. I., Niță, M. R., Suditu, B., Hersperger, A. M. (2020). Impact of national policies on patterns of built-up development: an assessment over three decades. *Land Use Policy*, 94, 104510.
- Hersperger, A. M., **Gradinaru, S.R.**, Siedentop, S. (2020). Towards a better understanding of land conversion at the urban-rural interface: planning intentions and the effectiveness of growth management. *Journal of Land Use Science*, 1-8.
- Bacău, S., **Gradinaru, S.R.**, & Hersperger, A. M. (2020). Spatial plans as relational data: Using social network analysis to assess consistency among Bucharest's planning instruments. *Land Use Policy*, 92, 104484.
- Semančíková, E., **Gradinaru, S. R.**, Aubrechtová, T., & Hersperger, A. M. (2020). Framing fragmentation in strategic policy documents in spatial planning and environmental domains: differences and similarities. *Journal of Environmental Planning and Management*, 63(3), 415-432.
- Pătru-Stupariu, I., Hossu, C. A., **Gradinaru, S.R.**, Nita, A., Stupariu, M. S., Huzui-Stoiculescu, A., Gavrilidis, A. A. (2020). A Review of Changes in Mountain Land Use and Ecosystem Services: From Theory to Practice. *Land*, 9(9), 336.
- Hersperger, A. M., Bürgi, M., Wende, W., Bacău, S., **Gradinaru, S.R.** (2020). Does landscape play a role in strategic spatial planning of European urban regions?. *Landscape and Urban Planning*, 194, 103702.

- Gradinaru S.R.**, Kienast F., Psomas A. (2019) Using multi-seasonal Landsat imagery for rapid identification of abandoned agricultural land in areas affected by urban sprawl, *Ecological Indicators* 96: 79-86.
- Gradinaru S.R.**, Hersperger A.M. (2019) Green infrastructure in strategic spatial plans: Evidence from European urban regions. *Urban Forestry and Urban Greening* 40, 17-28.
- Hersperger, A. M., **Gradinaru, S.R.**, Oliveira, E., Pagliarin, S., Palka, G. (2019). Understanding strategic spatial planning to effectively guide development of urban regions. *Cities*, 94, 96-105.
- van Vliet, J., Verburg, P. H., **Gradinaru, S. R.**, & Hersperger, A. M. (2019). Beyond the urban-rural dichotomy: Towards a more nuanced analysis of changes in built-up land. *Computers, Environment and Urban Systems*, 74, 41-49.
- Gradinaru S.R.**, Triboi R., Iojă C.I., Artmann M. (2018) Contribution of agriculture to urban sustainability: Insights from pastoral activities in Bucharest and its peri-urban area. *Habitat International* 82, 62-71.
- Hersperger A.M., Oliveira E., Pagliarin S., Palka G., Verburg P., Bolliger J., **Gradinaru, S.R.** (2018) Urban land-use change: the role of strategic spatial planning. *Global Environmental Change* 51: 32-42., **Paper Highly cited in the field according to Web of Science.**
- Palka G., **Gradinaru S.R.**, Jørgensen G., Hersperger A.M. (2018) Visualizing planning intentions: from heterogeneous information to maps, *Journal of Geovisualization and Spatial Analysis* 2 (2), 16.
- Niță M.R., Onose D., Gavrilidis A.A., **Gradinaru S.R.**, Năstase I., Laforteza R., (2018) Using local knowledge and sustainable transport to promote a greener city. *Environmental Research* 160: 331-338.
- Iojă I.C., Osaci-Costache G., Breuste J., Hossu C. A., **Gradinaru S. R.**, Onose D. A., Niță M.R. Skokanová, H. (2018). Integrating urban blue and green areas based on historical evidence. *Urban Forestry and Urban Greening* 34: 217-225.
- Gradinaru S.R.**, Iojă C.I., Pătru-Stupariu I., Hersperger A.M. (2017), Are spatial planning objectives reflected in the evolution of urban landscape patterns? A framework for the evaluation of spatial planning outcomes. *Sustainability* 9(8): 1279.
- Rudolf S., **Gradinaru S.R.** (2017) The quality and implementation of local plans: an integrated evaluation. *Environment and Planning B*, doi.org/10.1177/2399808317737070
- Rudolf S., **Gradinaru S.R.**, Hersperger A.M. (2017), Impact of state planning mandates on local plans: a multimethod assessment applied to Switzerland. *European Planning Studies* 25(12): 2192-2211.
- Badiu L.D., Iojă C.I., Pătroescu M., Breuste J., Artmann M., Niță M.R., **Gradinaru S.R.**, Hossu A.C., Onose D.A. (2016) Is urban green space per capita a valuable target to achieve cities' sustainability goals? Romania as a case study. *Ecological Indicators* 70: 53-66
- Gradinaru S.R.**, Iojă I.C., Onose D.A., Gavrilidis A.A., Pătru - Stupariu I., Kienast F., Hersperger A.M., (2015), Land abandonment as a precursor of built-up development at the sprawling periphery of former socialist cities, *Ecological Indicators* 57: 303-315.
- Pătru - Stupariu I., Stupariu M.S., Tudor C.A., **Gradinaru S.R.**, Gavrilidis A.A., Kienast F., Hersperger A.M. (2015), Landscape fragmentation in Romania's Southern Carpathians: Testing a European assessment with local data, *Landscape and Urban Planning* 143: 1-8.
- Gavrilidis A. A., **Gradinaru S.R.**, Iojă I. C., Pătru - Stupariu I., (2015), Land use and land cover dynamics in the peri-urban area of an industrialized East-European city: an overview of the last 100 years, *Carpathian Journal of Earth and Environmental Sciences* 10(4): 29-38.
- Iojă I.C., **Gradinaru S. R.**, Onose D.A., Vânău G.A., Tudor A.C., (2014), The potential of school green areas to improve urban green connectivity and multifunctionality, *Urban Forestry and Urban Greening*, Volume 3(4): 704-713.

APPLIED PAPERS, INDEXED ARTICLES AND CONFERENCE PROCEEDINGS

- Gradinaru S.R.**, Rudaz G., Hunziker M. (2025) *Das Monitoringprogramm «Landschaftsbeobachtung Schweiz» LABES*, Montagna, 7-2025.
- Gradinaru S.R.**, (2024) Operationalisierung der Gerechtigkeit bei der Planung von Städtischen Grünflächen, *N+L Inside* 4/24.
- Gradinaru S.R.**, Iojă C.I., Patroescu M (2022) Where does development happen in Romania? An overview of the past three decades and a glimpse into the future, *Rapoartele CCMESI* 1: 7-11. (in Romanian)
- Onose D., Iojă C. I., Slave A., **Gradinaru S.R.**, Gavrilidis A.A. Popa A.M (2021) Can church gardens represent a valuable recreation alternative in cities? *CITIES 20.50 – Creating Habitats for the 3rd Millennium: Smart–Sustainable–Climate Neutral. Proceedings of REAL CORP 2021, 26th International Conference on Urban Development, Regional Planning and Information Society. CORP–Competence Center of Urban and Regional Planning.*

- Rudolf S., **Gradinaru S.R.**, Hersperger A.M., (2017) Etat des lieux de la qualité et de l'utilité des plans directeurs communaux, *Geomatique Suisse* 11, 352-356.
- Gradinaru S.R.**, Ioja C. I., Pătru-Stupariu I., (2015) Do Post-Socialist Urban Areas Maintain Their Sustainable Compact Form? Romanian Urban Areas as Case Study, *Journal of Urban and Regional Analysis* 7(2): 129-144.
- Gradinaru S.R.**, Ioja C. I., Pătru – Stupariu I., Niță M.R., Gavrilidis A.A., Cârstea E., (2013), Land abandonment changes between 2005 and 2008 in Bucharest city, *Procedia Technology Series* 8: 536-539.
- Ioja I.C., Onose D.A., Gradinaru S.R., Șerban C., (2012), Waste management in public educational institutions of Bucharest, Romania, *Procedia Environmental Sciences* 14: 71-78.

BOOKS AND BOOK CHAPTERS

- Gradinaru S.R.**, Rolf W., Egerer M. (eds., in preparation) Productive urban and peri-urban landscapes. Landscape Series. Springer.
- Rozylowicz L., Pătroescu M., Jiplea M.C., Bagrinovschi V., Baratki F., Dumbravă A.R., Ciocănea, C.M., Gavrilidis A.A., **Gradinaru S.R.**, Ioja I.C., Manolache S., Matache M.L., Niculae I.M., Niță A., Niță M.R., Onose D.A., Popa E.M., Toboiu C.V., Vânău G.O. (2021) *Parcul Natural Porțile de Fier: monografie*. Culturae Hereditatem, București.
- Gavrilidis, A. A., **Gradinaru, S.R.**, Onete, M., Breuste, J., & IOJA, I. (2020). The influence of vacant land presence on proliferation of invasive alien plant species: the case of *Ailanthus Altissima* (Mill.) Swingle Var. *Altissima*. In *Making Green Cities– Concepts, Challenges and Practice*. (pp. 248-261). Springer.
- Pagliarin S, **Gradinaru SR.**, Oliveira E. (2019) Zoning as a Verb: Daily Practices and Exceptions, With Pop-Out Cases, in Sclar, E., Baird-Zars, B., Fischer, L.A., & Stahl, V.E. (eds), "Zoning: A Guide to 21st Century Planning", Routledge.

DATASETS

- Pop, M. I., **Gradinaru, S. R.**, Popescu, V. D., Haase, D., & Ioja, C. I. (2023). Emergency-line calls as an indicator to assess human–wildlife interaction in urban areas. *Ecosphere*, 14(2), e4418. <https://doi.org/10.5061/dryad.sqv9s4n6j>
- Gradinaru, S. R.**, Hersperger, A. M., Bürgi, M., Wende, W., Bacau, S. (2022). Landscape in contemporary strategic spatial plans of European Urban regions. *EnviDat*. <https://www.doi.org/10.16904/envidat.274>.
- Gradinaru, S. R.**, Hersperger, A. M. (2022). Planning intentions in strategic plans of European urban regions. *EnviDat*. <https://www.doi.org/10.16904/envidat.275>.
- Gradinaru, S. R.**, Hersperger, A. M. (2022). Green infrastructure in strategic spatial plans: Evidence from European urban regions. *EnviDat*. <https://www.doi.org/10.16904/envidat.273>.
- Bacau, S., **Gradinaru, S. R.**, Hersperger, A. M. (2022). Plan statements for external consistency analysis: Evidence from Bucharest's spatial plans. *EnviDat*. <https://www.doi.org/10.16904/envidat.290>.

TALKS AT SCIENTIFIC MEETINGS (selection)

- Gradinaru S.R., *Landscape and green space planning for human health*, ETH Domain Conference, 8-9 Dec 2025, Lausanne, Switzerland (poster).
- Gradinaru S.R., *Planning for urban green to foster equity and health*, ENRICH Conference, 20 Sep 2025, Birmensdorf, Switzerland.
- Gradinaru S.R., Hersperger A.M., Onose D.A., Popa A.M., *Do governments dream of operational landscapes? The shifting role of governments in development of land for production, storage and distribution of goods*, European Landscape Ecology Congress, 2-5 Sep 2025, Bratislava Slovakia.
- Gradinaru S.R., Onose D.A., Popa A.M., *Using artificial intelligence to analyse the role of multi-level strategic spatial planning in the development of operational landscapes*, AESOP Annual Congress, 7-11 Jul 2025, Istanbul, Turkey (talk).
- Gradinaru S.R., *Operationalizing equity to support planning of urban green*. Schweitzer Landschaftskongress, 5-6 Sep 2024, Tramelan, Switzerland.
- Gradinaru S.R., *Do we need urban and peri-urban agriculture?*, SIEP-IALE Italy National Congress, 28-29 Sep 2023, Italy.
- Gradinaru S.R., *Steering peri-urban land transformations and their impact on the food system*, Human environment Systems Research Centre, Jagiellonian University, 11 May 2023 (online).

- Gradinaru S.R., Iojă C.I., Paraschiv M, van Vliet J., *Conflicting interests between local governments and the European target of no net land take*, IALE 2023 World Congress, 10th – 15th, Jul 2023, Nairobi, Kenya.
- Gradinaru S.R., Iojă C.I., Vanau G., Niță M., Rolf W., *Home much food could abandoned lands in peri-urban areas produce?*, IALE 2022 European Landscape Ecology Congress, 5-9 Jul 2022, Warsaw, Poland.
- Gradinaru S.R., Iojă C.I., Triboi R., *Peri-urban agriculture as a lever for transformative change towards urban sustainability*, IOER Annual Conference 2021: Space & Transformation, 22-24 Sep 2021, Dresden, Germany.
- Gradinaru S.R., Iojă C.I., Vanau G., Niță M., *Integration of food security issues into county planning agendas*, International Geographic Seminar Dimitrie Cantemir, 24 Oct 2020, Iași, Romania.
- Gradinaru S.R., Fan P., Iojă C.I., Niță M., Hersperger A.M. *Planning for urban built-up development at national level: linking policy and patterns in Romania*, 4th Open Science Meeting 2019, 24-26 Apr, Bern, Switzerland.
- Gradinaru S.R., Hersperger A. M. – *Making sense of planning intentions: applying grounded theory methods to understand the spatial impact of strategic spatial plans*, AESOP Annual Congress, 10-14 Jul 2018, Gothenburg, Sweden.
- Gradinaru S.R., Hersperger A. M.– *Green Infrastructure in strategic spatial plans: conceptualization and representation*, IALE2017 European Landscape Ecology Congress, 12-15 Sep 2017, Gent, Belgium.
- Gradinaru S.R., Hersperger A. M. – *Strategic planning of Green Infrastructure: a landscape ecological perspective on spatial concepts*, AESOP Annual Congress 2017: Spaces of Dialog for places of dignity, 11-14 Jul 2017, Lisbon, Portugal.