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Web site: https://ccmesi.ro/?page_id=206

- **EDUCATION**

- 2015 *PhD in Geography*, Faculty of Geography, University of Bucharest, Romania
Supervisor: Ileana Pătru-Stupariu
- 2012 *Master in Environmental Sciences*, Faculty of Geography, Environmental Impact Assessment Programme, University of Bucharest, Romania
- 2010 *Batchelor diploma in Geography*, Faculty of Geography, University of Bucharest, Romania

- **CURRENT POSITION(S)**

- 2018 – *Postdoc Researcher and Associate Professor (tenure track)*
Centre for Environmental Research and Impact Studies, University of Bucharest, Romania.

- **PREVIOUS POSITIONS**

- 2018 – 2019 *Visiting Researcher*
College of Social Sciences, Centre for Global Change & Earth Observations (CGCEO) and 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), Land-use Systems Group, Switzerland.
- 2012 – 2015 *Research assistant (2012- 2014) and PhD Student (2012-2015)*
Centre for Environmental Research and Impact Studies, University of Bucharest, Romania.

- **TEACHING ACTIVITIES**

- 2021 – University of Bucharest, Faculty of Geography, Environmental Sciences Batchelor Programme, *Environmental Geography*, (4 credits, sole responsible for laboratory).
- 2018 – University of Bucharest, Master Programme Environmental Policies for Sustainable Development, *Fundaments in Romanian and European Environmental Policy* (4 credits, sole responsible), *Monitoring of environmental policy* (3 credits, sole responsible).
- 2013 – 2014 University of Bucharest, Master Programme Environmental Integrated Assessment, *Statistics for environment assessment* (6 credits, sole responsible for laboratory activities); *Introduction to Ecology* (3 credits, sole responsible for laboratory activities).
- 2012 – 2014 University of Bucharest, Faculty of Geography, *Introduction to landscape Ecology*, (3 credits, laboratory activities taught together with others).

- **SUPERVISION OF GRADUATE STUDENTS AND DOCTORAL FELLOWS**

- 2016 – **4 PhD students:** I fulfilled advising duties for main coordinator: advising on methods, data, study areas, contribution to writing scientific papers
ETH Zurich and WSL: *Simona Bacau* (expected defence July 2021), *Sophie Rudolf* (defended, 2017, advised during 2016-2017, now working for Swiss Federal Office for the Environment).
University of Bucharest: *Monica Paraschiv* (started 2021), *Raluca Slave* (expected 2023) *Diana Panzaru* (expected defence 2022), *Denisa Badiu* (defended 2016, advised in 2016, now innovation consultant, GAC Innovation East Europe).

2015 – **6 Master students:** co-supervisor

University of Bucharest: *Monica Paraschiv* (2021, now PhD student), *Larissa Stoia* (2019, now PhD student), *Teodora Tataru* (2019), *Alexandra Vrânceanu* (2018), *Diana Panzaru* (2017, now PhD student);

Université Paris-Nanterre: *Amina Hadni*, I was the main supervisor of her 2-months internship at Centre for Environmental Research and Impact Studies.

Prizes won by coordinated students at conferences: **2021:** 3rd Place at National Geography Students Symposium, Romania; **2020:** 3rd Place at Conference for young researchers, Romania **2017:** Best student paper – award by Geography Institute of Romanian Academy of Science.

- **INSTITUTIONAL RESPONSIBILITIES**

2022 – Initiator and coordinator of the policy brief series of the Centre for Environmental Research and Impact Studies.

2020 – Coordinator of working group on land changes at Centre for Environmental Research and Impact Studies.

2019 – Contribution to Curriculum development, Master Programme Environmental Policies for Sustainable Development, University of Bucharest.

2019 – Co-organizer of field activities, Faculty of Geography, University of Bucharest.

2007 – 2011 Student representative, Faculty of Geography Council, University of Bucharest.

- **FUNDING ACQUISITION** (*principal investigator and ◊ main applicant)

2020 – 2021 *◊ **Romanian National Science Foundation** (UEFISCDI), *Integrating food provision in urban policies in the context of land use transformation and displacement*, postdoctoral grant, University of Bucharest; €50,000 for 2 years.

2021 *◊ **ESPON EGTC**, *Identification of local decision-making models in planning urbanization in Romania*, University of Bucharest; €6,000.

2018 – 2019 *◊ **Fulbright Commission**, *Contribution of spatial planning strategies to urbanisation patterns: a multi-temporal spatial assessment for Romania*; Michigan State University, Center for Global Change and Earth Observations; \$15,800 for 2 months.

2018 – 2020 *◊ **Romanian National Science Foundation**, *Conceptualizing urbanization as driver of land abandonment*; postdoctoral grant, University of Bucharest, €68,000 for 2 years

2018 *◊ **Romanian National Science Foundation**, Researcher mobility project for a visit at Technical University of Lisbon for organisation of the IALE World Congress; 1,000 € for three days.

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; CHF 50,000 for 1-year, principal investigator.

- **POSITION IN RESEARCH PROJECTS**

2020 – 2021 **Romanian National Science Foundation** (UEFISCDI), *Contribution of small urban green infrastructure in achieving environmental justice*. Postdoctoral Researcher, University of Bucharest.

2020 – 2021 **Romanian National Science Foundation** (UEFISCDI), *Developing novel collaborative planning approaches to increase cities sustainability*. Postdoctoral Researcher, University of Bucharest.

2016– 2017 **ERC Consolidator Grant**, PI - Anna Hersperger, *From plans to land change: how strategic spatial planning contributes to the development of urban regions*, Postdoctoral Researcher, 2 mil. €.

- **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).
- 2011 – 2012 Excellence scholarship for scientific achievements, University of Bucharest.
- 2011 Award for best presentation, Institute of Geography, Romanian Academy of Science.
- 2008 – 2010 Merit Scholarship, University of Bucharest, 2008 – 2010.

- **POSITION IN BOARDS**

- 2021 *Co-leader* – Working group on [agricultural land abandonment](#), *Global Land Project*.
- 2019 – *Member of the Editorial Board* – Journal [Landscape online](#).
- 2017 – *Secretary General - International Association for Landscape Ecology, European Branch ([IALE Europe](#))*.

- **REVIEWING ACTIVITIES**

- 2021 *Jury member* – RegioStars Awards 2021, European Commission's Directorate-General for Regional and Urban policy.
- 2020 *Project Evaluator* – Postdoc Programme, Latvian State Education Development Agency.
- 2019 *Project Evaluator* – Environment Programme under EEA and Norway Grants, Romania.
- 2013 – *Reviewer for journals* (selection): 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.

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES AND WORKING GROUPS**

- 2017 – Working group Integration of Rural and Urban Land Systems, *Global Land Project*.
- 2013 – Working group Landscape planning, *International Association for Landscape Ecology*.

- **ORGANISATION OF SCIENTIFIC MEETINGS** (number of participants in brackets)

- 2022 Co-organizer, *congress*, European Landscape Ecology Congress, Poland (300, expected).
- 2021 Lead-organizer, young researchers webinar series, IALEEurope (approx. 30, regularly).
- 2017 Lead organizer, *symposium*, European Landscape Ecology Congress, Ghent (32).
- 2019 Co-organizer, *symposium*, European Landscape Ecology Congress, Italy (42)
- 2017 Co-organizer, *expert workshop* (27 participants from 10 European countries), Switzerland.
- 2015 Co-organizer, *workshop* (10 participants from Romania and Switzerland), Bucharest.

- **INVITED TALKS**

- 2021 Lecture – Norwegian University of Life Sciences, course Landscape Ecology (20 min).
- 2020 Webinar speaker - *Contribution of green infrastructure to urban resilience*. IUFRO (1 hour).
- 2019 Lecture - Michigan State University, School of Planning, Design and Construction, course *Concepts and Issues in Planning and Development* (2 hours).
- 2015 Lecture - University of Bucharest, *Landscape functional and structural analysis* (module of 6 hours).

- **TECHNICAL SKILLS**

Qualitative text analysis: MAXQDA

Programming languages: R (intermediate).

GIS and Remote Sensing software: ArcGIS Desktop 10.X (advanced), ArcGIS Pro, BaseCamp, IDRISI, GRASS GIS.

Ecology and landscape modelling: FRAGSTATS (advanced), Guidos Toolbox, Presence, CONEFOR.

Statistics software: SPSS (advanced).

- **GRANT WRITING AND FUNDING ACQUISITION**

EUresearch Zurich: Marie Sklodowska-Curie Action Individual Fellowship Applicants Training, 25 Jul 2017, Zurich.

EUrelations Zurich: Successful fund acquisition for researchers - intensive workshop, WSL Birmensdorf & EUrelations, 25 and 27 Feb 2015, Birmensdorf, Switzerland.

- **LANGUAGE SKILLS**

Romanian (mother tongue), English (proficient, C1 level), French (beginner, B1 level), Italian (beginner, B1 level), German (beginner, A2 level).

- **MEDIA**

Twitter: twitting regularly under the name [@SR_Gradinaru](#) on scientific events, debates, research findings, projects and published papers.

Interview for Blog Built-up Space (Teren zabudowany), [Green or soon to be built?](#), 2015 (published in Polish).

- **COMMUNITY SERVICE**

Presentation on the use of remote sensing 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.

Project manager (2014) and Co-applicant (2016) of two educational projects involving organization, funding acquisition, courses and field activities on environmental protection awareness in Romanian secondary schools; Mar – Sept 2014 - 1 school; Mar – Sept 2016 - 4 schools.

- **PEER-REVIEWED PUBLICATIONS**

- ◇: publication without PhD advisor as a co-author

Land transformations in peri-urban areas

- ◇ **Grădinaru S.R.**, Ioja C.I., Vanau G.O., Niță M.R., Savulescu I. & Rolf W (under review) – Feeding the cities: what agricultural abandoned lands could bring to the table. *Landscape and Urban Planning*.
- ◇ Kaim D., Ziolkowska E., **Grădinaru S.R.**, Pazur R. (under review) Assessing the suitability of urban-oriented land cover products for mapping rural settlements, *International Journal of Geographical Information Science*.
- ◇ **Grădinaru S.R.**, Ioja 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
- ◇ Hersperger, A. M., **Grădinaru, 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.
- ◇ **Grădinaru 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.
- ◇ van Vliet, J., Verburg, P. H., **Grădinaru, 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.
- Grădinaru S.R.**, Triboi R., Ioja 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.
- ◇ **Grădinaru S.R.**, Ioja I.C., Onose D.A., Gavriliadis 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.
- Gavriliadis A. A., **Grădinaru S.R.**, Ioja 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.

Contribution of planning and policy to land changes

- ◇ **Grădinaru, S.R.**, Fan, P., Ioja, 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.
- ◇ Bacău, S., **Grădinaru, 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., **Grădinaru, 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.
- ◇ Hersperger, A. M., **Grădinaru, S.R.**, Oliveira, E., Pagliarin, S., Palka, G. (2019). Understanding strategic spatial planning to effectively guide development of urban regions. *Cities*, 94, 96-105.
- ◇ Hersperger A.M., Oliveira E., Pagliarin S., Palka G., Verburg P., Bolliger J., **Grădinaru, 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., **Grădinaru 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.
- Grădinaru S.R.**, Ioja 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., **Grădinaru S.R.** (2017) The quality and implementation of local plans: an integrated evaluation. *Environment and Planning B*, doi.org/10.1177/2399808317737070
- ◇ Rudolf S., **Grădinaru 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.

Landscape and green infrastructure planning

- ◇ Pamukcu-Albers, P., Ugolini, F., La Rosa, D., **Grădinaru, S. R.**, Azevedo, J. C., & Wu, J. (2021). Building green infrastructure to enhance urban resilience to climate change and pandemics.
- ◇ Hersperger, A. M., **Grădinaru, S. R.**, Daunt, A. B. P., Imhof, C. S., & Fan, P. (2021). Landscape ecological concepts in planning: review of recent developments. *Landscape Ecology*, 1-17.
- Pătru-Stupariu, I., Hossu, C. A., **Grădinaru, 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., **Grădinaru, S.R.** (2020). Does landscape play a role in strategic spatial planning of European urban regions?. *Landscape and Urban Planning*, 194, 103702.
- ◇ **Grădinaru 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.
- ◇ Niță M.R, Onose D., Gavrilidis A.A., **Grădinaru 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., **Grădinaru 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.
- ◇ Badiu L.D., Iojă C.I., Pătroescu M., Breuste J., Artmann M., Niță M.R., **Grădinaru 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
- Pătru - Stupariu I., Stupariu M.S., Tudor C.A., **Grădinaru 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.
- ◇ Iojă I.C., **Grădinaru 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.

• PHD THESIS

Urban expansion in Romania: spatial characteristics and implications for landscape planning. Supervisor: Prof. Dr. Ileana Stupariu

• INDEXED ARTICLES, CONFERENCE PROCEEDINGS AND APPLIED PAPERS

- ◇ Rudolf S., **Grădinaru 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.
- Grădinaru S.R.**, Iojă 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.
- Grădinaru S.R.**, Iojă 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.
- ◇ Iojă I.C., Onose D.A., Grădinaru S.R., Șerban C., (2012), Waste management in public educational institutions of Bucharest, Romania, *Procedia Environmental Sciences* 14: 71-78.

- **BOOK CHAPTERS**

- ◇ 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.
- ◇ Gavrilidis, A. A., **Grădinaru, 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.

- **TALKS AT SCIENTIFIC MEETINGS (speaker only)**

- Grădinaru 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.
- Grădinaru 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.
- Grădinaru S.R., Iojă C.I., Niță M., Badiu D. *Potential of abandoned agricultural land for food provision in urban settings*, IALE World Congress, 1-5 Jul 2019, Milan, Italy.
- Grădinaru S.R., Iojă C.I., Popa A.M. *Changing visions: the impact of regional and county planning on land changes in Bucharest urban region*, IALE World Congress, 1-5 Jul 2019, Milan, Italy.
- Grădinaru 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.
- Grădinaru S.R., Hersperger A. M. – *Making sense of planning intentions: applying grounded theory methods to understand the spatial impact of strategic spatial plans of urban regions*, AESOP Annual Congress: Making Space for Hope, 10-14 Jul 2018, Gothenburg, Sweden.
- Grădinaru 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.
- Grădinaru 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.
- Grădinaru S.R., Hersperger A.M. – *Measuring spatial information contained in strategic spatial plans: a prerequisite for conceptualizing planning as a driver of urban land change*, Global Land Project 3rd Open Science Meeting, 24-27 Oct 2016, Beijing, China.
- Grădinaru S.R., Kienast F, Psomas A. – *Using seasonal Landsat imagery to monitor agricultural land abandonment in areas affected by urban sprawl*, 2nd World Congress of the Society for Urban Ecology, 8-10 Jul 2016, Shanghai, China.
- Grădinaru S.R., Iojă C.I., Pătru-Stupariu I., Hersperger A.M. – *Are spatial planning principles and objectives reflected in the evolution of urban landscape patterns? A Romanian - Swiss comparison*, 9th IALE World Congress, 5-10 Jul 2015, Portland, USA.
- Grădinaru S.R., Iojă C.I., Onose D.A., Gavrilidis A.A., Pătru-Stupariu I., Kienast F., Hersperger A.M. – *Land abandonment at the periphery of former socialist cities: a precursor of urban sprawl. The case of Bucharest, Romania*, Global Change Research Symposium – Human and Ecosystem Response to Global Change: Evidence and Application, 16-18 Sep 2014, Ostuni, Brindisi, Italy.
- Grădinaru S.R., Pătru-Stupariu I., Iojă C.I., Kienast F., Hersperger A.M. – *Urban form changes in post-communist Romania*. Transformations of Urban Areas in East-Central and Western Europe Colloquia, 29-31 Oct 2014, Le Havre, France.
- Grădinaru S.R.– *Modelling urban sprawl in Romania*. Landschaftstag 2014, 22 Sep 2014, Birmensdorf, Switzerland.