

Prof. Ileana Pătru-Stupariu



University of Bucharest

Institute of Research of University of Bucharest, ICUB, CeLTIS

Department of Regional Geography and Environment, Faculty of Geography

Personal information

Surname	Pătru-Stupariu
Christian names	Georgeta-Ileana
Academic degree	Dr.
Date of birth	December 14, 1970
Place of birth	Calafat, România
Citizenship	Romanian
Civil status	Married, one child
Address (professional)	Bd. N. Balcescu, 1; 010041 Bucharest, Romania
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Website	http://landscape.cc.unibuc.ro/
Title	Professor
Profession	Geographer

Research interests

Ileana Pătru-Stupariu is the head of the Transdisciplinary Research Center Landscape–Territory–Information Systems (CeLTIS) at the Institute of Research of University of Bucharest. Her research interests are related to landscape ecology, ecological modelling, modeling of landscape dynamics, landscape fragmentation, ecosystem/ landscape services, landscape planning, land use/land cover change, cultural landscape, landscape visual assessment and Geographic approaches (nature and society).

Education and degrees

1989-1993	Faculty of Geography, University of Bucharest
1993	Master Degree (Diploma) in Geography, University of Bucharest
1993-1999	PhD-student, with a position as assistant at the Faculty of Geography, University of Bucharest
1999	PhD, in Geography, University of Bucharest

Awarded scholarships

1996	Tempus PhD stipend, University of Liege - Belgium
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Work Experience

Academic positions

1993-1996	Subassistant, Faculty of Geography, University of Bucharest
1996-2000	Assistant, Faculty of Geography, University of Bucharest
2000-2002	Assistant professor, Faculty of Geography, University of Bucharest
2002-2006	Associate professor, Faculty of Geography, University of Bucharest
Since 2006	Professor, Faculty of Geography, University of Bucharest
Since 2007	PhD advisor

Research fellowships

2003, 2004	University of Liege - Belgium
2003	University of Lyon, University of Grenoble - France
2004	University Paris XII - France

Teaching fellowships (Socrates-Erasmus) and research visits

May 2001,2002,2003	University of Bari, University Roma Tre - Italy
May 2004,2005,2006	University Paris XII - France
February 2010	University Liege – Belgium, member of a doctoral commission
Mai 2013	University Liege –Belgium joint research in doctoral activities
October 2012, July 2015	WSL Zürich - Switzerland joint researches as PhD supervisor
June, July 2013	WSL Zürich, EPFL Lausanne - Switzerland joint researches as PhD supervisor
June, July 2015	WSL Zürich, EPFL Lausanne - Switzerland joint researches as PhD supervisor

Supervised PhD theses

2007-2015	7 theses finalized, <i>Simion Mehedinți</i> Geography Doctoral School of the University of Bucharest
2013-2019, presently	Ioana Stoicescu, Sorina Bogdan, Irina Năstase, Pascu Marioara, Calotă Ana-Maria, Pleșoianu Alin - <i>Simion Mehedinți</i> Geography Doctoral School of the University of Bucharest

Participation in research projects

a) International Projects

Joint researches

1. **SCIEX** (WSL, Birmensdorf-Zürich, Switzerland, University of Bucharest) *Modelling Urban Sprawl and its Effect on Landscape Pattern (MUSELP)*. Mentors: Anna Hersperger / Ileana Pătru-Stupariu; PhD student: Simona Grădinaru (2014-2015).

2. **SCIEX** (EPFL Lausanne, Switzerland, University of Bucharest) *Landscape integration in the procedure of environmental impact assessment (LANDEIA)*. Mentors: Alexandre Buttler / Ileana Pătru-Stupariu; PhD student: Andreea Niță **(2012-2013)**.
3. **SCIEX** (EPFL Lausanne, Switzerland, University of Bucharest) *A multi scale resolution DEM processing using wavelet-based filtering techniques, 3D analyses and geostatistics (3DEMGEOSTATS)*. Mentors: François Golay / Ileana Pătru-Stupariu; PostDoc student: Magda Năpăruș **(2012-2013)**.
4. **SCIEX** (WSL, Birmensdorf-Zürich, Switzerland, University of Bucharest) *Land use conflicts and environmental planning (LUCLP)*. Mentors: Anna Hersperger / Ileana Pătru-Stupariu; PhD student: Alina Tudor **(2012-2013)**.
5. **WBI** (University of Liège, Belgium, University of Bucharest) *Monitoring paysager des parcs nationaux grâce aux outils de l'écologie du paysage*. Mentors: Ileana Pătru-Stupariu / Serge Schmitz; PhD student: Alexandra Teleucă **(2012-2013)**.
6. **POSDRU (EU / Government of Romania)** (University of Bucharest) *Evaluation of accessibility and attractiveness of urban parks in Bucharest*. Mentor: Ileana Stupariu, Postdoc: Diana Onose **(2014)**
7. **POSDRU (EU / Government of Romania)** (University Paris-Est Créteil Val de Marne, University of Bucharest) *Quantitative and qualitative analysis of urban landscape. Case study: Sinaia city*. Mentors: Abdelkader Abdellaoui / Ileana Pătru-Stupariu; PhD student: Alina Huzui **(2011)**.
8. **POSDRU (EU / Government of Romania)** (University Paris-Est Créteil Val de Marne, University of Bucharest) *Landscape management, assessment and prognosis. Case study: Babadag Lake and surroundings*. Mentors: Abdelkader Abdellaoui / Ileana Pătru-Stupariu; PhD student: Iulia Călin **(2010)**.

Main investigator

1. **AUF - Recherche en reseau** (University of Liège, Belgium, University of Bucharest) *Apports de la teledetection pour l'étude des georisques en Roumanie*, funded by Agence Universitaire de la Francophonie **(2003-2005)**.
2. **MRT** (University of Liège, Belgium, University of Bucharest) *The use of photogrammetry in the study of landslide dynamics*, funded by Research and Technology Ministry - Belgium **(2003-2004)**.

Member of the research team

1. **BMBF/DLR Social-Ecological Research and Technological Innovations for Connecting Cultural Ecosystem Services (SERVICES)**, funded by Projektantrag im Programm Internationale Zusammenarbeit in Bildung und Forschung, Region Mittelost- und Südosteuropa Bundesministerium für Bildung und Forschung, P.I Christine Fürst (KIT – The Research University in the Helmholtz Association Karlsruhe Institute of Technology) Project manager for RO Ileana Stupariu (University of Bucharest)./ **(2016-2017)**
2. **SNSF-UEFISCDI Improved wind energy assessment based on coupled wind, terrain, and vegetation modeling (WindLand)**. Principal Investigators Fernando Porté-Agel (Switzerland, EPFL) and Mihai-Sorin Stupariu (Romania, University of Bucharest)./ **(2013-2015)**.
3. **PAI Brancusi Riscuri asociate sistemelor hidrogeomorfologice si amenajarea teritoriului (Risks associated to hydro-geomorphologic systems and territorial planning)**. Project manager Liliana Zaharia, University of Bucharest./ **(2011-2012)**.

b) National Projects

Main investigator

1. **CNCSIS-UEFISCSU** *Development and implementation of an algorithm for landscape assessment and prognosis. Application to the mountainous and subcarpathian sector of the Prahova Valley*, funded by The National University Research Council in Romania (**2009-2011**).
2. **CNCSIS-UEFISCSU** *Sustainable management of Subcarpathian landscapes: prioritizing methods and means*, funded by The National University Research Council in Romania (**2006-2008**).
3. **CNCSIS-UEFISCSU** *Landscape dynamics and assessment in mountainous passageways of the Southern Carpathians*, funded by The National University Research Council in Romania (**2001-2002**).

Member of the research team (selection)

1. **CNCSIS-UEFISCSU** *Dynamic interaction between the natural and human components based on the synergy of ecological and socio-economic factors in the rapidly urbanizing landscapes*. Project manager Cristian Iojă, funded by The National University Research Council in Romania (**2012-2015**).
2. **POSDRU** *Optimizarea procesului de inserție a absolvenților din domeniul geografie pe piața forței demuncă, Geoinsert*, Contract nr. POSDRU/86/1.2/S/57462, (**2010 – 2013**) *Manager de proiect*, Prof.univ. dr. Ioan Ianoș.
3. **IER-SPOS** *The competitive potential of economic growth: guiding lines for a new industrial policy in Romania*. Institutul European din România Studii de Strategie și Politici SPOS 2010. Project manager Valentin Cojan, Academy of Economic Studies (**2010**).

Publication record

h-index 9

https://scholar.google.ro/citations?hl=ro&user=wUcJUv8AAAAJ&view_op=list_works&sortby=pubdate

24: ISI publications recorded

After **F.I.**: **10- Zone A**; **5- Zone B**; **9- Zone C** <http://landscape.cc.unibuc.ro/people.php>

After **AIS** : **5- Zone A**; **8- Zone B**; **11- Zone C** http://www.unibuc.ro/prof/patru-stupariu_i_g/

17: Peer - reviewed publications (BDI)

12: Books and books chapters

27: Proceedings of international conferences

35: Proceedings of national conferences

List of main research papers
ISI publications (after AIS)

First Quartile – Zone A

1. Năpăruş-Aljančić M., **Pătru-Stupariu I.**, Stupariu M-S. (2017) *Multiscale wavelet-based analysis to detect hidden geodiversity*. Progress in Physical Geography DOI: <https://doi.org/10.1177/0309133317720835>, GEOGRAPHY, PHYSICAL, 5/49; GEOSCIENCES, MULTIDISCIPLINARY, 18/179
2. Peringer, A., Schulze, K. A., **Pătru-Stupariu I.**, M.S. Stupariu, Rosenthal G., Gillet, F. & A. Buttler (2016) *Multi-scale feedbacks between tree regeneration traits and herbivore behaviour explain the structure of pasture-woodland mosaics* Landscape Ecology, 31, 4: 913-927. GEOGRAPHY, PHYSICAL, 9/49; GEOSCIENCES, MULTIDISCIPLINARY, 27/171
3. **Pătru-Stupariu I.**, Stupariu M.S, Tudor C.A., Grădinaru S.R., Gavrilidis A., Kienast F., Anna M. 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. GEOGRAPHY 15/ 72; ENVIRONMENTAL STUDIES, 23/93; URBAN STUDIES, 6/38
4. **Pătru-Stupariu I.**, Angelstam P., Elbakidze M., Huzui A., Andersson K. (2013) *Using spatial patterns and forest history to identify potential high conservation value forests in Romania*. Biodiversity and Conservation. 22: 2023-2039. ENVIRONMENTAL SCIENCES 54/213
5. Angelstam P., Axelsson R., Elbakidze, M., Laestadius, M., Lazdinis, L., Nordberg, M., **Pătru-Stupariu, I.**, Smith, M. (2011) *Knowledge production and learning for sustainable forest management: European regions as a time machine*. Forestry An International Journal of Forest, 84 (5): 581-596. FORESTRY 11/61

Second Quartile (Zone B)

1. **Pătru-Stupariu I.**, Stupariu M.S., Stoicescu I., Peringer A., Buttler A., Fürst Ch .(2017) *Integrating geo-biodiversity features in the analysis of landscape patterns*, Ecological Indicators 80: 363–375 ENVIRONMENTAL SCIENCES 55/213
2. **Pătru-Stupariu I.**, Tudor C.A., Stupariu M.S., Buttler A., Peringer A. (2016) *Landscapes persistence and stakeholders' perspective . The case of the Romanian Carpathians*. Applied Geography, 69: 87- 98. GEOGRAPHY/SOCIAL SCIENCE, 23 din 72
3. Peringer A., Gillet F., Gert R., Stoicescu I., **Pătru-Stupariu I.**, Stupariu M.S., Buttler A. (2016) *Landscape-scale simulation experiments test Romanian and Swiss management guidelines for mountain pasture-woodland habitat diversity*. Ecological Modelling 330, 41-49. ECOLOGY 63/1139
4. Nită A. , Buttler A. , Rozyłowicz L., **Pătru-Stupariu I** (2015) *Perception and use of landscape concepts in the procedure of Environmental Impact Assessment; case study – Switzerland and Romania*. Land Use Policy 44:145–152. ENVIRONMENTAL STUDIES, 34, 93
5. Tudor, C. A., Iojă, I. C., Rozyłowicz, L., **Pătru-Stupariu, I.**, Hersperger, A. M. (2015). *Similarities and differences in the assessment of land use associations by local people and experts*. Land Use Policy Journal 49, 341-351 ENVIRONMENTAL STUDIES, 34, 93
6. Grădinaru S.R., Iojă C.I, Onose D., Gavrilidis A., **Pătru-Stupariu I.**, Kienast F., Hersperger A. (2015) *Land abandonment as a precursor of built-up development at the sprawling periphery of former socialist cities*. Ecological Indicators 57:305–313. ENVIRONMENTAL SCIENCES 55/213

7. Tudor, C.A., Iojă, C. I., **Pătru-Stupariu, I.**, Niță, M.R., Hersperger, A., (2014), *How successful is the resolution of land-use conflicts? A comparison of cases from Switzerland and Romania.* Applied Geography. 47 , 125-136. *GEOGRAPHY/SOCIAL SCIENCE*, 23/ 72
8. Huzui A., Abdellaoui A., **Pătru-Stupariu I.** (2013) *Analyzing urban dynamics using multi-temporal satellite images in the case of a mountain area, Sinaia (Romania).* International Journal of Digital Earth 6,6: 563-579. *REMOTE SENSING* 10 /26

Third Quartile (Zone C) and ISI INDEX

1. Grădinaru S.R., Iojă C., **Pătru-Stupariu I.**, Hersperger A., (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.
2. Bogdan S., **Pătru-Stupariu I.**, Zaharia L., (2016) The Assessment of Regulatory Ecosystem Services: The Case of the Sediment Retention Service in a Mountain Landscape in the Southern Romanian Carpathians *Procedia Environmental Sciences*,32: 12-27.
3. Gavriliadis A.A., Grădinaru S.G, Iojă C., Cârstea E.M. **Pătru-Stupariu. I** (2015), Land use and land cover dynamics in the periurban area of an industrialized east-european city an overview of the last 100 years, *Carpathian Journal of Earth and Environmental Sciences*, 10 : 4, p. 29 – 38.
4. Cioacă T, Dumitrescu B., Stupariu M.S., **Pătru-Stupariu I**, Năpăruș M., Stoicescu I., Peringer A., Buttler A., and Golay F (2015) Heuristic-driven Graph Wavelet Modeling of Complex Terrain **ICGIP**<http://proceedings.spiedigitallibrary.org/proceeding>, doi:10.1117/12.2179132
5. Stoiculescu R., Huzui A., Gavriliadis A., **Pătru-Stupariu I.**, Nita A., Călin I., Cuciulan A. (2014) *What is the spatial link between the roman civilization and cultural landscape in Romania?* *Journal of Maps*. 10, 2 297-307.
6. Tudor, C.A., Iojă, I.C., Hersperger, A.; **Pătru-Stupariu, I.**, (2013) *Is the residential land use incompatible with cemeteries location? Assessing the attitudes of urban residents.* *Carpathian Journal of Earth and Environmental Sciences* 8, 2: 153-162.
7. Grădinaru, S.R., Iojă, I.C., **Pătru - Stupariu, I.**, Niță, M.R., Gavriliadis, A., Cârstea, E. (2013) *Land abandonment changes between 2005 and 2008 in Bucharest city*, *Procedia Technology Series* 8 Pages: 536-539.
8. Huzui A., Călin I., **Pătru-Stupariu I.** (2012) *Spatial pattern analyses of landscape using multi-temporal data sources.* *Procedia Environmental Sciences Elsevier* 14:98-110.
9. Cojanu V., Dobre R., **Pătru-Stupariu I.** (2012) *The accessibility buffer – a basic GIS tool in determining the Competitive Potential Index.* *Procedia Environmental Sciences Elsevier* 14:237-246.
10. **Pătru-Stupariu I.**, Stupariu M.S., Cuculici R., Huzui A. (2011) *Understanding landscape change using historical maps. Case study Sinaia, Romania.* *Journal of Maps*, v2011:206-220.
11. Cojanu V., **Pătru-Stupariu I.**, Dobre R. (2011) *An exploratory study of the regional context of competitive development in Romania.* *Transylvanian Review of Administrative Sciences* 33:67-89.

Professional visibility

1. **President of IALE Romania.** IALE - International Association of Landscape Ecology <http://www.landscape-ecology.org/index.php?id=46>
2. **Editor.** Procedia Environmental Sciences, **Elsevier**, Volume 14, Pages: 98-110, DOI: 10.1016/j.proenv.2012.03.010; 2012, <http://www.sciencedirect.com/science/journal/18780296>
3. **Membership of Editorial Boards.** *Revue Télédétection* <http://www.teledetection.net>; *Bucovina forestieră* <http://www.bucovina-forestiera.ro/>
4. **Reviewer.** I have been invited to review papers for ISI publications: Biodiversity and Conservation; Remote Sensing; Applied Geography; Ambio; International Journal of Geographical Information Science; Comptes Rendus Geoscience; Regional Environment Change Wetlands Ecology and Management; Annals of Forest Research, Environmental Monitoring and Assessment.
5. **Expert evaluator for projects.** **DFG** German Research Foundation (2015); **ESPON** 2013 Knowledge Support System (2011-2013); **AUF** Agence Universitaire de la Francophonie – Bureau Europe Centrale et Orientale (2007-2012, 2014 - 2017) ; **CNCSIS/UEFSCDI** National University Research Council in Romania (2004-2008, 2017); Evaluator of Government Student Fellowships for **MECTS** (Romanian Ministry of Education, Research, Youth and Sport (2006-2010)
6. **Prizes.** Awards by **UEFISCDI** (2013 -1, 2014 -2, 2015-3,2016-3 – publication of ISI papers).
7. **Conference organization**

2005	Main organizer: International Conference – AUF Teledetection, Bucharest
2011	Main organizer: International Conference – Environment – Landscape – European Identity, Bucharest , Procedia Environmental Sciences, Elsevier Volume: 14 Pages: 98-110 DOI: 10.1016/j.proenv.2012.03.010 Publicat: 2012, http://www.sciencedirect.com/science/journal/18780296 http://geo.portiledefier.ro
2013	Main organizer: International workshop: The first meeting of IALE Romania, <i>Landscape Ecology - linking Nature and Human Dimensions.</i> , 1,2 November Bucharest http://landscape.cc.unibuc.ro/iale/news.php
2015	Main organizer: International workshop: The first meeting of IALE Romania, <i>Landscape Ecology Days</i> , 4-8 September, Bucharest
2017	Main organizer: International workshop : 3D Landscapes. Metrics, techniques and applications., IALE 2017 European Congress, Ghent 12-15 september 2017 http://www.iale-europe.eu/iale2017/3d-landscapes-metrics-techniques-and-applications

Personal skills

Languages: Romanian – mother tongue; English, French

Computer skills: user of common operating systems (Windows, MacOS) and software packages: ArcGIS, R.