



# Alexandru-Ionuț Petrișor

## Curriculum vitae

Contact

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**Internet** http://(www).environmetrics.ro/

Professional

**Areas of expertise** Urban ecology, numeric ecology, environmental statistics, biostatistics, geo-statistics, GIS, microbial ecology, spatial (2D) statistics, systemic analysis

**Research interests** Land cover and use, territorial effects of climate change, numerical methods in ecological, biological and geographical research, GIS applications in ecology and geography, cluster detection techniques, structural and functional organization of man-dominated ecological systems

Work experience

❖ Assistant Professor (2007-2016), Associate Professor (2016-present), Faculty of Urbanism, "Ion Mincu" University of Architecture and Urbanism, Bucharest and Section of Urban Planning & Territorial Administration, Sibiu, Romania (since 2014); PhD advisor (2014-present); Director of the Doctoral School of Urbanism (2015-present), member and elected chairman of the permanent commission of the Academic Senate (2020-present)

❖ Associate Professor, 2007-2009, Department of Theoretical Study of Architecture, Faculty of Architecture, *Spiru Haret* University, Bucharest, Romania

❖ Researcher rank I (2013-2017) rank III (2008-2013)/ ecologist (2007-2008), Scientific Director (2010-2017), President of the Scientific Committee (2011-2017), Member of the Administration Council (2011-2020), NIRD for Constructions, Urbanism and Sustainable Spatial Development URBAN-INCERC, Bucharest, Romania

❖ Referent (June - December 2005), expert (2005-2007), Ministry of Transport, Constructions and Tourism, General Division of Urban and Spatial Planning and Housing, Bucharest, Romania

❖ Research Assistant, 2002-2004, Researcher (2004-2005), University of South Carolina, Arnold School of Public Health, Department of Environmental Health Sciences, Microbial Interactions Laboratory, Columbia, SC, USA

√ Short term work experience in different projects, hourly-paid positions, collaborations and volunteering in the US (1998-2005) and Romania (1995 - present)

√ Researcher/grant beneficiary in 44 grants (2 - US, 5 - EU, 37 - Romania), including: head of research projects ESPON *Climate change and territorial effects on regions and local economies in Europe* (2010-2011), *From Army To Entrepreneurship* (2011), 2 Nucleus projects (2013), Director of the Nucleus Program, 2 national awards

Education and training

❖ Habilitation to advise PhDs in urban planning, April 2014, Ministry of National Education, Bucharest, Romania

❖ Scientific researcher rank I, biology (Ministerial Order 4095/2013), geography (Ministerial Order 647/2017)

❖ Certificate degree in the management of European projects, July 2012, Academy of Economic Studies, Bucharest

❖ PhD in Geography, September 2011, Faculty of Geography, University of Bucharest, Romania

❖ Signature rights for parts of urban/spatial plans, 2007, 2012, Registry of Romanian Urban Planners

❖ PhD in Ecology, May 2004, University of South Carolina, Arnold School of Public Health, Department of Environmental Health, Columbia, SC, USA

❖ MSPH in Biostatistics, May 2000, University of South Carolina, Arnold School of Public Health, Department of Epidemiology and Biostatistics, Columbia, SC, USA

❖ BS in Ecology including the Teaching certification, July 1997, UNESCO-Cousteau Department of Ecology, Faculty of Biology, University of Bucharest, Romania

√ Short courses and workshops in the USA and Romania

√ 152 scientific/professional meetings attended in USA, France, Luxemburg, Slovakia, Serbia, Moldova, Croatia, Italy, Germany, Bosnia and Herzegovina, Japan, Malaysia, Algeria and Romania delivering a presentation and 279 without

Publications and presentations

❖ Most important 10 publications (for all fields)

1. **Petrișor AI** (2016), *Assessment of the long-term effects of global changes within the Romanian natural protected areas*, International Journal of Conservation Science 7(3): 759-770 - 10 citations, 2 indexations

2. **Petrișor AI**, Meita V, Petre R (2016), *Difficulties in achieving social sustainability in a biosphere reserve*, International Journal of Conservation Science 7(1): 123-136 - 14 citations, 3 indexations

3. **Petrișor AI**, Andronache IC, Petrișor LE, Ciobotaru AM, Peptenatu D (2016), *Assessing the fragmentation of the green infrastructure in Romanian cities using fractal models and numerical taxonomy*, Procedia Environmental Sciences 32: 110-123 - 19 citations, 3 indexations

4. **Petrișor AI** (2016), *Evolving strategies of the predatory journals*, Malaysian Journal of Library and Information Science 21(1): 1-17 - 11 citations, 1 mention, 2 indexations

5. **Petrișor AI** (2015), *Assessment of the Green Infrastructure of Bucharest using CORINE and Urban Atlas data*, Urbanism Architecture Constructions 6(2): 19-24 - 21 citations, 3 indexations

6. **Petrișor AI** (2015), *Using CORINE data to look at deforestation in Romania: Distribution & possible consequences*, Urbanism Architecture Constructions 6(1): 83-90 - 25 citations, 1 mention, 3 indexations

7. **Petrișor AI**, Petrișor LE (2014), *25 years of sustainability. A critical analysis*, Present Environment and Sustainable Development 8(1): 175-190 - 10 citations, 1 mention, 3 indexations

8. **Petrișor AI**, Grigorovschi M, Meita V, Simion-Melinte CP (2014), *Long-term environmental changes analysis using CORINE data*, Environmental Engineering and Management Journal 13(4): 847-860 - 17 citations, 2 indexations

9. **Petrișor AI** (2013), *Multi-, trans- and inter-disciplinarity; essential conditions for the sustainable development of human habitat*, Urbanism Architecture Constructions 4(2): 43-50 - 21 citations, 1 mention, 1 indexation

10. Ianos I, **Petrișor AI**, Zamfir D, Cercleux AL, Stoica IV (2013), *In search of a relevant indicator measuring territorial disparities in a transition country: Case study: Romania, Die Erde* 144(1): 69-81 - 20 citations, 1 mention, 2 indexations

❖ Total: 16 edited publications: 8 books (2 citations, 2 indexations), 8 journals; 488 authored publications: 221 journal articles (604 citations, 76 mentions, 355 indexations in international databases), 41 books/chapters (65 citations, 21 mentions, 37 indexations in international databases), 6 theses (11 citations, 1 mention, 16 indexations in international databases), 36 conference papers (56 citations, 1 mention, 7 indexations in international databases), 156 conference abstracts (2 citations, 31 indexations in international databases), 3 Internet articles, 3 Internet abstracts, 21 research reports (19 citations), 1 patent application (1 mention); 364 presentations: 68 posters (1 citation, 3 mentions), 181 conference presentations (2 citations, 37 mentions), 8 public presentations, 107 courses/lectures (1 citation, 29 mentions); 30 plan chapters (13 participations/3 exhibitions) [h index with/without auto-citations: 10/9 – Clarivate Analytics/ISI, 10/7 – Scopus, 18/12 – Google Scholar, 13/10 – ResearchGate and based on the publication list 23/13]; author profile: 6507767403 (Scopus), I-8691-2012 (ResearcherID), SeRu90EAAA AJ (Google Scholar)

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| <b>Skills</b>                  | <ul style="list-style-type: none"> <li>❖ <b>Foreign languages</b></li> <li>❖ Maternal language: Romanian</li> <li>❖ Foreign languages: <i>English and French</i> - native fluency in reading, writing and speaking; <i>Polish</i> - courses during 1990-1992 at the Polish Embassy in Bucharest, Romania; <i>Italian, Spanish and Latin</i> (self-learning) - understanding spoken and written language; <i>Japanese</i> (self-learning) - basic conversation</li> </ul>   |
| <b>Knowledge and aptitudes</b> | <ul style="list-style-type: none"> <li>❖ Advanced use of computer: <i>statistics</i>: Epi-Info, SPSS, SAS (over 15 years), Minitab, S-Plus, Statistica, StatView, Excel (over 17 years); <i>image processing and analysis</i>: Paint Shop Pro (over 15 years), Erdas Imagine (over 12 years), Confocal Assistant, Image-J; <i>GIS</i> (over 13 years): ArcView GIS, ArcGIS, including numerous extensions</li> <li>❖ Experience in images digital analysis and classification (over 13 years), use of GIS in quantitative data analysis (over 13 years), choosing and using appropriate statistical methods and interpreting results (over 20 years)</li> <li>❖ Use of laser confocal microscope (over 4 years)</li> <li>❖ Driver's license (automobiles) since August 2002</li> </ul>   |
| <b>Additional information</b>  | <ul style="list-style-type: none"> <li>❖ Memberships: 24 professional commissions/organizations, 9 cultural or foreign languages conversation organizations, and 5 sport clubs (ballroom dancing, fencing and fishing)</li> <li>❖ Member of the commission for architecture and urban planning of the National Council for the Attestation of Academic Titles, Diplomas and Certificates (2017) and commission for arts, architecture, urban planning, physical education and sports of the Quality Assurance Agency for Higher Education (2019)</li> <li>❖ 111 distinctions and mentions - the most important are: <ul style="list-style-type: none"> <li>▪ Medals and certificates of invention fairs EUROINVENT, Romania; INVENTICA, Romania; Traian Vuia, Romania; INFOINVENT, Moldova; KIDE, Taiwan; Thailand Inventors' Day, Thailand; ISIF, Turkey; i-ENVEEX, Malaysia; IWIS, Poland; New Time, Sevastopol; INOVA, Croatia; Geneva, Switzerland; iCAN, Canada</li> <li>▪ Urban Concept Diploma for the constant activity toward sustainable spatial development &amp; National Award for developing and promoting spatial development in Romania, April 2009 &amp; March 2014, OSC and AASJ, Romania</li> <li>▪ Inclusion of biography in <i>Dictionary of contemporary Romanian inventors, The encyclopedia of Romanian personalities, Empire Who's Who Honors Edition, Empire Who's Who Registry, Madison Who's Who Honors Edition, Madison Who's Who Registry, Marquis Who's Who in America, Marquis Who's Who in the World and Ad Astra Who's Who database of Romanian scientists and scientists interested in Romanian science, 2004-2008</i></li> <li>▪ Honorary Diploma Partner for sustainable development, 2006, League of Homeowners Association HABITAT, Bucharest, Romania</li> </ul> </li> <li>❖ 26 public profiles in databases of worldwide recognized specialists, advisor, co-advisor or committee member of 8 Bachelor's or Master theses (2003-2014) and 44 doctoral dissertations (since 2013), reviewer of 8 doctoral dissertations (2008-2019), reviewer for 51 peer reviewed journals and 23 international conferences, member of commissions for the appointment to research and education positions, research grant reviewer</li> <li>❖ Editor-in-Chief of <i>IAFOR Journal of Sustainability, Energy and the Environment</i> (2012-2017) and <i>Revista Școlii Doctorale de Urbanism</i> (2016), Executive Editor of <i>Urbanism. Arhitectură. Construcții</i> (2010), <i>Buletin informativ al INCĐ URBAN-INCERC</i> (2012-2017), <i>Conferința de cercetare în construcții, economia construcțiilor, urbanism și amenajarea teritoriului. Rezumate ale lucrărilor</i> (2013), <i>Lucrările conferinței de cercetare în construcții, economia construcțiilor, urbanism și amenajarea teritoriului</i> (2015), Guest Editor of <i>Remote Sensing</i> (2018) and member of the Editorial Board of <i>Journal of Urban and Regional Analysis</i> (2009), <i>Urbanistique</i> (2010), <i>Buletinul INCERCOM</i> (2015), <i>Journal of Urban and Landscape Planning</i> (2016), <i>Algerian Journal of Engineering, Architecture and Urbanism</i> (2017), <i>International Journal of Human Settlements</i> (2017), <i>Territorial Identity and Development</i> (2017), <i>Central European Journal of Geography and Sustainable Development</i> (2019) and <i>Oltenia. Studii și comunicări. Științe Naturii</i> (2019)</li> <li>❖ 22 referrers from Romania and the US; other recommendations may be furnished upon request.</li> </ul> |