



# Alexandru-Ionuț Petrișor

## Curriculum vitae

### Contact

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### Professional

**Internet** <http://www.envirometrics.ro/> and <https://www.uauim.ro/en/university/faculty/alexandru-ionut-petrisor/>  
**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, predatory publishers and journals, publishing ethics

### Work experience

- ❖ Professor, Department of Architecture, Faculty of Urbanism & Architecture, Technical University of Moldova (2022-present)
- ❖ Assistant Professor (2007-2016), Associate Professor (2016-2022), Professor (2022-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, 2023), 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 71 grants (2 - US, 5 - EU, 63 - 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 and 1 program (2013-2016), 9 national awards, 1 exploratory research project, 1 institutional development project

### 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
- √ 248 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 417 without

### Publications and presentations

- ❖ Most important 10 publications (for all fields, in inverse chronological order)
- 1. Aouissi HA, **Petrișor AI**, Ababsa M, Boștenaru-Dan M, Tourki M, Bouslama Z (2021), *Influence of Land Use on Avian Diversity in North African Urban Environments*, *Land* 10(4):434 - 26 citations
- 2. **Petrișor AI**, Hamma W, Nguyen HD, Randazzo G, Muzirafuti A, Stan MI, Tran VT, Astefanoaiei R, Bui QT, Vintila DF, Truong QH, Lixandroui C, Tenea DD, Sirodoev I, Ianos I (2020), *Degradation of coastlines under the pressure of urbanization and tourism: Evidence on the change of land systems from Europe, Asia and Africa*, *Land* 9(8):275 - 69 citations
- 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 - 52 citations
- 4. **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 - 32 citations
- 5. **Petrișor AI** (2016), *Evolving strategies of the predatory journals*, *Malaysian Journal of Library & Information Science* 21(1):1-17 - 39 citations
- 6. **Petrișor AI** (2013), *Multi-, trans- and inter-disciplinarity, essential conditions for the sustainable development of human habitat*, *Urbanism Architecture Constructions* 4(2):43-50 - 41 citations
- 7. **Petrișor AI**, Petrișor LE (2013), *The shifting relationship between urban and spatial planning and the protection of the environment: Romania as a case study*, *Present Environment and Sustainable Development* 7(1):268-276 - 32 citations
- 8. **Petrișor AI**, Ianos I, Iurea D, Vaidianu MN (2012), *Applications of Principal Component Analysis integrated with GIS*, *Procedia Environmental Sciences* 14:247-256 - 50 citations

9. **Petrișor AI** (2010), *The Theory and Practice of Urban and Spatial Planning in Romania: Education, Laws, Actors, Procedures, Documents, Plans, and Spatial Organization. A Multiscale Analysis*, Serbian Architectural Journal 2(2):139-154 - 36 citations
  10. **Petrișor AI**, Ianos I, Talanga C (2010), *Land cover and use changes focused on the urbanization processes in Romania*, Environmental Engineering and Management Journal 9(6):765-771 - 66 citations
- ❖ Total: 16 edited publications: 8 books (4 citations, 3 mentions), 8 journals; 691 authored publications: 307 journal articles (1498 citations, 84 mentions), 57 books/chapters (106 citations, 23 mentions), 6 theses (11 citations, 1 mention), 64 conference papers (132 citations, 1 mention), 237 conference abstracts (14 citations, 3 mentions), 21 research reports (21 citations), 1 patent application (1 citation, 1 mention); 514 presentations: 85 posters (3 citations, 4 mentions), 283 conference presentations (17 citations, 41 mentions), 8 public presentations, 138 courses/lectures (2 citations, 28 mentions); 37 parts of spatial plans (14 participations/4 exhibitions) [*h* index: 17 – Web of Science, 15 – Scopus, 27 – Google Scholar, 22 – ResearchGate, and 22 – based on the publication list]; author profile: 6507767403 (Scopus), I-8691-2012 (ResearcherID), SeRu90EAAAJ (Google Scholar)

<b>Skills</b>	<ul style="list-style-type: none"> <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 18 years), Minitab, S-Plus, Statistica, StatView, Excel (over 20 years); <i>image processing and analysis</i>: Paint Shop Pro (over 18 years), Erdas Imagine (over 15 years), Confocal Assistant, Image-J; <i>GIS</i> (over 16 years): ArcView GIS, ArcGIS, including numerous extensions</li> <li>❖ Experience in images digital analysis and classification (over 16 years), use of GIS in quantitative data analysis (over 16 years), choosing and using appropriate statistical methods and interpreting results (over 23 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: 31 professional commissions/organizations, 9 cultural or foreign languages conversation organizations, and 6 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>❖ 133 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-ENVEX, 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 AdAstra Who's Who database of Romanian scientists and scientists interested in Romanian science, 2004-2008</i></li> <li>▪ Honorary Diploma <i>Partner for sustainable development</i>, 2006, League of Homeowners Association HABITAT, Bucharest, Romania</li> </ul> </li> <li>❖ 33 public profiles in databases of worldwide recognized specialists, advisor, co-advisor or committee member of 9 Bachelor's or Master theses (2003-2014) and 69 doctoral dissertations (since 2013), reviewer of 33 doctoral dissertations (2008-2023) and 3 habilitation theses (2019-2023), reviewer for 90 peer reviewed journals, 33 international conferences and 2 books, member of 24 editorial boards, 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), <i>Revista Școlii Doctorale de Urbanism</i> (2016) and <i>Urbanism. Arhitectură. Construcții</i> (2021), Executive Editor of <i>Buletin informativ al INCĐ URBAN-INCERC</i> (2012-2017), Co-Editor of <i>Conferința de cercetare în construcții, economia construcțiilor, urbanism și amenajarea teritoriului. Rezumate ale lucrărilor</i> (2013) and <i>Lucrările conferinței de cercetare în construcții, economia construcțiilor, urbanism și amenajarea teritoriului</i> (2015), Guest Editor of <i>Remote Sensing</i> (2018-2020) and <i>Land</i> (2021), and member of the Editorial or Reviewer 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> (2017-2022), <i>Central European Journal of Geography and Sustainable Development</i> (2019), <i>Oltenia. Studii și comunicări. Științele Naturii</i> (2019), <i>Sustainability</i> (2020), <i>Problems of Applied Sciences</i> (2020), <i>Land</i> (2020), <i>Journal of Contemporary Urban Affairs</i> (2020), <i>Earth, Life and Health Journal</i> (2021), <i>Town, Law and Economics Journal</i> (2021), <i>Present Environment and Sustainable Development</i> (2022) and <i>Cognitive Sustainability</i> (2022)</li> <li>❖ 23 referrers from Romania and the US; other recommendations may be furnished upon request.</li> </ul>