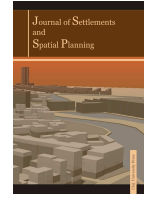




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Call for papers: Multi-Criteria Spatial Decision Support Systems for Sustainable Development

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In the current era of sustainable development, land suitability analysis (LSA) has become more complex due to the use of multiple criteria considering all the technical, social, economic and environmental aspects. This may bring difficulties for decision-makers in choosing the best alternatives to ensure long-term sustainability of land use applications (LUAs). Multi-criteria decision-making (MCDM) has been developed as a popular and flexible branch of operational research to deal with complex scenarios, including conflicting objectives and various criteria. Spatial decision problems (SDPs) can be systematically formulated in a multi-criteria spatial decision support system (MC-SDSS) to accelerate land-use planning activities, especially by using the advanced frameworks for gathering, managing and analyzing data such as geographic information system (GIS). This special issue aims to create a synthetic view on the application of MCDM techniques for sustainable territorial development, in their conventional and advanced forms, in order to provide an insight into the sustainable land-use planning (SLUP) for various applications and future prospects. Articles that reveal the application of MCDM method in case studies at different spatial scales, interdisciplinary studies and bring out solutions to overcome the existing problems are highly encouraged.



This special issue accepts original research articles as well as review articles presenting a diversity of recent developments on the main topics presented below, but not limited to:

- Urban and regional planning;
- Urban systems, housing and urbanism;
- Energy and resource planning;
- Coastal and mountainous areas;
- Transport systems and infrastructure;
- Industrial activities;
- Tourism and destination management;
- Future perspectives on the application of advanced multi-criteria decision-making systems for sustainable spatial planning.

Other research results on topics that emphasize the importance of 'land' as a central theme in sustainable development practices are also welcomed.

Mail abstract to: kamali@ua.pt

Extended deadline for abstracts (max 300 words): December 15, 2019

Extended deadline for full-length papers: January 15, 2020

Review and feedback on full papers: February 28, 2020 (or before, based on the submission date)

Revised version of the manuscript: March 31, 2020*

* In the interest of both authors and readers, we introduced the online first policy. This means offering full access to the research results at the earliest date possible, thus reducing the time between submission and publication of the revised manuscript.

Publication (printed version): April, 2020*

* **Online First publication** – all manuscripts that are accepted for publication after revisions will be published online (DOI included) and they will be fully citable.

Article Processing Charges – associated with the publication in the Journal of Settlements and Spatial Planning is 150Euro/article*

* ***To encourage the participation and contribution of young researchers in the field, a 50% fee waiver is applied to articles whose first authors are PhD students or Post-doc researchers.***

