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DEPARTMENT OF GEOGRAPHY, TOURISM & HOTEL MANAGEMENT

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“Urban Climate Research  
and Climate-Sensitive Urban Design  
for Sustainable Cities and Communities”

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**GEOGRAPHICA PANNONICA**

UNIVERSITY OF NOVI SAD | FACULTY OF SCIENCES | DEPARTMENT OF GEOGRAPHY, TOURISM & HOTEL MANAGEMENT

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# “Urban Climate Research and Climate-Sensitive Urban Design for Sustainable Cities and Communities”

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Firstly, we would like to send a great thanks to the Editorial board of International scientific journal GEOGRAPHICA PANNONICA that they are aware of importance of urban climate and design research issues in the 21st century. According to that, in the last six years two special issues in the GEOGRAPHICA PANNONICA were dedicated to urban climate science.

Based on actual global climate processes and rapid increase of population in urban areas, the modified urban climate and urban environment have been investigated by many scientists and research groups in the last few decades. Moreover, two very important Agendas launched in 2015, the Sustainable Development Agenda (2030 Agenda) with 17 sustainable development goals (SDGs) published by United Nations and Nature-based Solutions & Re-Naturing Cities Agenda published by European Commission, put in the focus importance of improving urban environment and re-naturing the cities based on nature-based solutions (NBSs).

Therefore, investigating various aspects of urban climate change, urban surface, urban planning, air quality, outdoor and indoor thermal comfort, well-being of urban population etc., is among the essential steps towards the goals defined in mentioned initiatives. In the first special issue, published in 2013 in GEOGRAPHICA PANNONICA, the articles were fo-

cused on UHI research in Novi Sad, as second largest city in Serbia.

This special issue has wider focus of urban climate research and covers research of: urban heat island, outdoor thermal comfort, local climate zones, surface temperatures, wind and tree analysis and CFD simulations, land use changes and climate sensitivity, urban morphology, planning and sustainable urban development, pluvial flooding and urban precipitation, as well as air quality monitoring and assessment in cities. Eighteen articles are published with authors from 14 different countries: Argentina, Belgium, Brazil, China, Croatia, Germany, Hungary, India, Indonesia, Italy, Montenegro, Serbia, UK and USA. Due to that, we think that this special issue will be of great importance for the community of urban climate and its impacts on urban areas.

Once again, we would like to thank the Editorial board for the opportunity to create this special issue. Finally, we want to thank to all authors for their contribution with very interesting papers as well as a big thanks to reviewers for providing a swift and helpful review.

Guest Editors  
*dr Stevan Savić*  
*dr Andreas Matzarakis*  
*dr Kevin Lau*