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Assessing the Impact of Climate Change on Urban Cultural Heritage

Guest Editor:

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Deadline for manuscript submissions:
closed (31 May 2020)

Message from the Guest Editor

Dear Colleagues,

Cities are increasingly at the heart of climate mitigation and adaptation discourse, due to growing urban populations and energy demand. Cultural heritage as a unique touch-points of our urban experience, is seen as the most critical in the face of a changing climate both for often being compromised by age, and for being irreplaceable.

Climate impact includes both gradual climatic effects and extreme events, specifically sea level rise, floods, wind storms and cyclones, heat extremes and droughts. The contributions can use lab-based methods, in-situ monitoring or modelling to identify and quantify climatic impact, and how urban cultural heritage responds to it, includes both single and groups of heritage buildings, historic urban cores, museum collections, and intangible aspects of urban heritage. Contributions focussing on climate risk management and policy development, and novel methods of retrofit aimed at enhancing the climate resilience of urban cultural heritage are also welcome.

Dr. Yasemin D. Aktas

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Editor-in-Chief

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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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