# **Special Issue**

# Water-Energy Nexus in Urban Infrastructure Systems

### Message from the Guest Editors

Most of the existing literature covers the topic in the context of water supply systems, while its application in wastewater and stormwater systems has been relatively less addressed. Energy optimization in large urban infrastructure systems also needs further attention, as most of the past studies evaluated smaller systems or hypothetical scenarios. Most of the related work was conducted in developed countries operating continuous water supply systems, while the evaluation of intermittent supply operation in developing countries and arid regions might come up with new and interesting findings. Although greywater recycling with low-cost treatment at the point of generation can conserve water resources, it can impact the wastewater-to-energy option. Emerging concepts of sponge cities can certainly recharge groundwater, but the reduced runoff could impact hydropower generation. There are several other questions that need to be answered. This Special issue is an effort towards addressing these questions and bridging research gaps.

### **Guest Editors**

Dr. Husnain Haider

Department of Civil Engineering, College of Engineering, Qassim University, Buraydah 52571, Saudi Arabia

Dr. Gyan Chhipi Shrestha

Faculty of Applied Science, School of Engineering, The University of British Columbia, Okanagan Campus, 1137 Alumni Avenue, Kelowna, BC V1V 1V7 Canada

### Deadline for manuscript submissions

closed (10 April 2023)



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#### Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

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