

**Guest Editors:**

Dr. Ali Mirchi, Oklahoma State University (amirchi@okstate.edu)

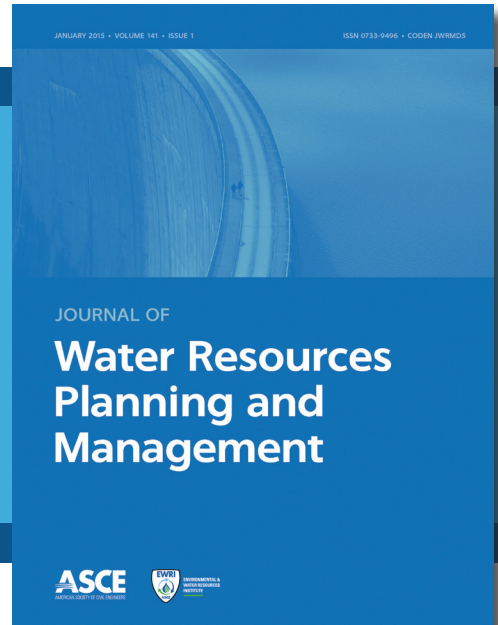
Dr. Xiaodong Zhang, Shandong University (xdzhang@sdu.edu.cn)

Dr. Meenu Ramadas, Indian Institute of Technology Bhubaneswar - India (meenu@iitbbs.ac.in)

Dr. Benjamin L. Ruddell, Northern Arizona University (Benjamin.Ruddell@nau.edu)

# Call for Papers

**Special Collection on Systems Analysis  
Approaches for Managing Natural and Built Water  
Environments for the Food-Energy-Water Nexus**



## Aims & Scope

**Goal & Scope:** The built water infrastructure and the natural water resources support critical functions and services delivered by the food, energy, and water (FEW) sectors, and, therefore, have significant implications on the sustainability and resilience of the affected sectors and natural resources. Because of the strong underlying interdependencies between water systems and the activities within the FEW sectors, management of water must undertake a systems approach where the interdependencies (i.e., the nexus) are taken into consideration. This Special Collection will cover a range of theoretical and applied interdisciplinary research investigations and case studies that employ systems analysis approaches for built and natural water systems in the nexus of FEW sectors. Published papers will address one or multiple issues relevant to developing and/or applying these approaches, including (but not limited to):

1. Methods and approaches for analysis of system-level processes and underlying interdependencies between water systems and FEW activities at multiple scales.
2. Strategies, methods, and approaches for analysis of management, policy, and economics issues relevant to water systems embedded in FEW sectors.
3. Digital solutions and technologies for sustainable development and adaptive management of water systems affected by FEW sectors.

## Submission Information

1. Please submit your manuscript via <https://www.editorialmanager.com/jrnwreng>
2. Once on the Editorial Manager website, please indicate that your paper is for the special collection "Systems Analysis Approaches for Managing Natural and Built Water Environments for the Food-Energy-Water Nexus."
3. Detailed information on the submission process is provided in the document "Publishing in ASCE Journals: A Guide for Authors". Please note that all accepted papers submitted in response to this Call for Papers will be published in regular issues of the ASCE Journal of Water Resources Planning and Management and assembled online on a page dedicated to this Special Collection. See <https://ascelibrary.org/page/jwrmd5/specialcollections> for the list of Special Collections already published.

## Schedule

February 01, 2021 – Open Call for Papers

December 31, 2022 – Close Call for Papers

June 30, 2023 – Target to Complete