

# Special Issue

## Advances in Dam Engineering

### Message from the Guest Editors

In this Special Issue, we seek high-quality submissions of original research articles as well as review articles on all aspects related to dam engineering that has the potential for practical application. Topics of interest include, but are not limited to:

- Gravity, arch, RCC, CFRD, embankment, and rockfill dams;
- New construction materials and mixture design;
- Material behavior and constitutive models for concrete, soil, and rock;
- Advanced design techniques with optimized geometry;
- Recent case studies and reported dam failures (i.e., lessons learned);
- Dam safety and security, risk-informed decision making, and failure modes;
- Quantification of various hazard sources (e.g., earthquake, flood, aging);
- Advanced numerical analysis techniques;
- Validations and verifications of the existing analysis techniques;
- Monitoring, surveillance, and field measurement methods; and
- Advances in sustainable and resilient dams, as well as socio-economical aspects.

The **Article Processing Charge (APC)** is waived for well-prepared manuscripts submitted before 30 June 2019.

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### Guest Editors

Dr. M. Amin Hariri-Ardebili

Dr. Jerzy Salamon

Mr. Guido Mazzà

Prof. Dr. Hasan Tosun

Dr. Bin Xu

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### Deadline for manuscript submissions

closed (30 January 2020)



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## About the Journal

### Message from the Editor-in-Chief

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### Editor-in-Chief

Dr. Pedro Arias-Sánchez

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