



Special Issue on Computational Methods for Water, Energy, and Environmental Engineering

Call for Papers

Computational Methods for Water, Energy, and Environmental Engineering applies advanced computational techniques to the analysis, prediction, and optimization of interconnected water, energy, and environmental systems. It incorporates numerical methods, mathematical modeling, artificial intelligence, machine learning, optimization algorithms, data analytics, and computer-based simulation to investigate complex processes and support evidence-based engineering decisions. Applications include water resource management, hydraulic and hydrological analysis, energy system planning, renewable energy assessment, environmental monitoring, pollution control, climate impact evaluation, and resource efficiency, with an emphasis on developing reliable, data-driven, and sustainable engineering solutions.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Computational Methods for Water, Energy, and Environmental Engineering**. Potential topics include, but are not limited to:

- Computational hydrology
- Water resources modeling
- Hydraulic system simulation
- Environmental fluid dynamics
- Water quality modeling
- Groundwater modeling
- Flood risk modeling
- Climate system modeling
- Energy system modeling
- Renewable energy simulation
- Energy efficiency optimization
- Environmental data analytics
- Artificial intelligence and machine learning
- Numerical optimization
- Environmental risk assessment
- Integrated resource management



Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Computational Methods for Water, Energy, and Environmental Engineering**” should be selected during your submission.

Special Issue Timetable:

Submission Deadline	December 28th, 2026
Publication Date	February 2027

Guest Editor:

For further questions or inquiries, please contact Editorial Assistant at cweee@scirp.org.