

## Special Issue

# River/Tidal and Wave Energy Harvesting

### Message from the Guest Editors

With the growing global demand for sustainable energy sources, the extraction of energy from water flows, tides and waves is gaining increasing importance within the renewable energy sector. River, tidal and wave energy represent a huge and largely untapped potential that can contribute to the diversification of the energy mix and the reduction of carbon emissions. River, tidal and wave energy systems operate by converting the kinetic or potential energy of moving water into usable electrical energy. Technologies for river and tidal current energy harvesting often involve hydrokinetic turbines, including axial-flow and cross-flow designs, which are typically mounted in channels, estuaries, or riverbeds. These systems exploit the consistent flow of water masses to rotate blades connected to an electrical generator. The potential of river, tidal and wave energy as reliable and long-term sustainable sources of clean energy that can be applied in both stand-alone (off-grid) and hybrid energy systems.

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### Deadline for manuscript submissions

5 October 2026



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*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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