Special Issue

Small-Scale Hydropower and Energy Recovery Interventions: Management, Optimization Processes and Hydraulic Machines Applications

Message from the Guest Editors

The topics included in this Special Issue are the following:

- Current state-of-the art of small-scale hydraulic machines, with particular attention to small-scale hydropower plants (e.g. run-of-the river hydroelectricity) and energy recovery in irrigation networks, WSSs, WDNs and industrial plants;
- Future prospective of these research fields in upcoming years;
- Models and technologies that lead to an efficiency improvement of small-scale hydropower plants (e.g. run-of-the river hydroelectricity), irrigation networks, WSSs, WDNs and industrial plants (e.g. models for forecasting novel hydraulic machines performance, management and optimization processes of irrigation networks, WSSs, WDNs and industrial plants where the installation of hydraulic machines is possible);
- Development of new methods for energy performance forecasting and enhancing small-scale hydropower plants (e.g. run-of-the river hydroelectricity), irrigation networks, WSSs, WDNs and industrial plants where hydraulic machines can be installed or they are already operating;
- Case studies where the energy recovery in irrigation networks, WSSs, WDNs and industrial plants is applied by means of hydraulic machines.

Guest Editors

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Deadline for manuscript submissions

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