Special Issue

Fluid-Structure Interaction in Civil Engineering

Message from the Guest Editor

This Special Issue, entitled "Fluid-Structure Interaction in Civil Engineering", aims to highlight the latest advancements in the field of civil engineering, with a focus on innovative technologies and methods for fluid–structure interaction. Key topics include, but are not limited to, the following: (1) calculation methods of loads caused by fluids, such as calculation methods of wind load, wave load, flood load, hydrodynamic force, etc. (2) Interactions between fluids and structures. (3) Flow field analysis and generation mechanisms for exploring hydrodynamic force and structure failure. (4) Dynamic responses of structures under fluid action. (5) Damage modes or failure modes of structure under fluid actions. (6) Preventive measures or the optimum design of structures when considering the fluid–structure interaction.

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Deadline for manuscript submissions

30 September 2026

Eng

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 3.2

mdpi.com/si/253880

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CiteScore 3.2

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Eng (ISSN 2673-4117) is an international, peer-reviewed open access journal which publishes original papers, critical reviews, rapid communications, technical notes, and discussions on all areas of engineering.

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