Special Issue

New Advancement of Computational Fluid Dynamics Modeling on Sustainable Renewable Energy Applications

Message from the Guest Editor

A very significant prevalence of **Computational Fluid Dynamics (**CFD) has been detected during the last two decades regarding users and the number of applications. The advancement of numerical simulations is progressively encouraging to the current state of the art in many energy engineering applications. **CFD** has been recognised as a fundamental field for advancing research on energy applications such as power generation, combustion, wind energy, concentrated solar power, hydropower, gas and steam turbines, fuel cells, and many others. Even though a wide range of renewable energy devices can be benefited from CFD simulations. The CFD tools enable engineers working in the renewable energy **industry** to understand the physical phenomena well and can be useful in the early design process by offering a full range of **analyses**. Engineers can effectively test and optimize products in less time and at a significantly lower cost by using a powerful tool such as CFD.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2023)

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/137300

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