

## Special Issue

# Analytical and Computational Fluid Dynamics of Combustion and Fires

### Message from the Guest Editor

Often a useful tool, but occasionally a disaster, fire has accompanied humankind for millennia. Protecting from coldness, darkness, predators, and stomach bacteria, combustion brought primitive, tribal humans into modern industrial civilization, and it will likely remain the major provider of energy for industry, heating, and transportation in the foreseeable decades. Next-generation combustion technologies are expected to be environmentally friendly, safe, and energy-efficient, and the role of numerical methods is emerging in the design and development of such advances today.

The aim of this Special Issue is to collect recent analytical and computational advances in the fields of reacting fluids, including, but not limited to, premixed flame dynamics and morphology, turbulent burning, flame acceleration, and combustion instabilities.

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 October 2024)



## Fluids

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