



## Advanced Techniques for Low/Zero-Carbon Combustion in Internal Combustion Engines

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Deadline for manuscript  
submissions:

**closed (30 June 2022)**

### Message from the Guest Editor

Dear Colleagues,

The reduction in fuel consumption and emissions for internal combustion engines (ICEs) is always the goal of researchers and manufacturers. The applications of low-/zero-carbon fuels, carbon-neutral biofuels, and synthetic fuels in ICEs can also benefit carbon reduction. Research is needed to offer efficient utilization of these alternative fuels for vehicles, ships, and power generation. In addition, the related advanced technologies including engine after-treatment, thermal and energy management, real-time combustion control, and so on, are of great importance for future engines as well.

Researchers are invited to submit original research papers and review articles which will make efforts to deal with the topics of interest. The topics in this Special Issue include but are not limited to:

- Alternative fuels;
- Advanced combustion modes;
- Combustion and emissions chemistry;
- Optimization of performance and emissions;
- After-treatment technology and systems;
- Engine thermal and energy management;
- Engine combustion control;
- Fuel injection systems and spray technology.





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