

## Special Issue

# Technical Advances in Combustion Engines: Efficiency, Power and Fuels

### Message from the Guest Editors

This Special Issue aims to showcase innovative research that enhances the efficiency, performance, and sustainability of combustion engines. The scope includes studies on novel combustion strategies, advanced techniques for improving thermal efficiency, engine downsizing, boosting and hybridization methods, waste heat recovery, thermodynamic optimization, and next-generation fuels such as biofuels and hydrogen. It also covers emission reduction technologies, after-treatment systems, emerging digital technologies for engine optimization, applications of artificial intelligence and machine learning in combustion engine development, and life cycle analysis of combustion engine advancements and their environmental impact. This Special Issue will contribute to the ongoing evolution of combustion engines, supporting their role in a decarbonized and energy-efficient future.

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### Guest Editors

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### Deadline for manuscript submissions

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## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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