

Special Issue

Combustion and Emissions of Hydrocarbon-Fueled Engines

Message from the Guest Editor

This Special Issue is devoted to the problems of the combustion and emissions of hydrocarbon-fueled engines. Rapidly growing environmental problems require more and more attention in the search for new ways to reduce harmful emissions in the combustion products of various engines running on hydrocarbon fuels. In addition to the inevitable combustion products, carbon oxides, soot, and polyaromatic hydrocarbons (PAHs) have a harmful effects on the environment and humans. At the same time, if the fight against reducing soot formation in combustion products has been engaged in for many decades, then attention to smaller, optically transparent particles of the so-called nanoorganic carbon (NOC) and PAHs has appeared only over the last decade. Recent studies show that such particles can be even more harmful to the human body and many other aspects of the environment. In this Special Issue, we invite submissions exploring cutting-edge research and recent advances in the fields of reducing PAHs, NOC, and soot emissions from various hydrocarbon-fueled engines. Prof. Dr. Alexander Eremin

Guest Editor

Prof. Dr. Alexander Eremin

Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia

Deadline for manuscript submissions

closed (20 July 2022)



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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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