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Novel Advances of Combustion and Its Emissions

Guest Editors:

Dr. Rafał Rajczyk

Department of Infrastructure and Environment, Częstochowa University of Technology, 42-201 Częstochowa, Poland

Prof. Dr. Rafał Kobyłecki

1. Department of Advanced Energy Technologies, Częstochowa University of Technology, Dabrowskiego 73, 42-201 Częstochowa, Poland
2. International Energy Agency – Fluidized Bed Conversion (Executive Committee Alternative Member in Poland), Paris, France

Deadline for manuscript submissions:

31 January 2025

Message from the Guest Editors

Dear Colleagues,

We are inviting submissions to the Special Issue on “Novel Advances of Combustion and Its Emissions”.

Combustion processes remain the basic method of generating electrical, thermal and mechanical energy. Before a green transition takes place, it is extremely important to continue efforts to reduce emissions of pollutants from these processes. The Special Issue “Novel Advances of Combustion and Its Emissions” is devoted to the broadly understood combustion process and emission control. Articles on experimental work, conceptual work, and modeling are welcome. We would like to put particular emphasis on the combustion of renewable and bridge fuels, such as biomass, waste, and e-fuels. However, works on efficient and low-emission processes for fossil fuels are also welcome. In the Special Issue, we encourage you to publish works on ways to reduce emissions of gaseous and dust pollutants such as desulfurization, denitrification, mercury removal, and dedusting. The scope also covers research on carbon dioxide capture and utilization technologies as well as bioenergy with CCS.

Dr. Rafał Rajczyk
Prof. Dr. Rafał Kobyłecki
Guest Editors



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Special Issue



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Editor-in-Chief

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

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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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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