

## Special Issue

# Advances in Heat and Mass Transfer Applied to Industrial and Energy Systems

### Message from the Guest Editor

The intensive development of modern technologies in industrial thermal power engineering, petrochemistry, microelectronics, aerospace engineering, communication systems, metallurgy, and mechanical engineering requires significant energy consumption. The results obtained so far show that the development of new-generation apparatuses, devices, and equipment is impossible without the development of fundamentally new strategies and technical solutions based on new fundamental knowledge of heat and mass transfer processes. In this Special Issue, we invite you to submit materials on cutting-edge research and the latest advances in the field of heat and mass transfer in industrial and energy systems operating both with the use of traditional large volumes of coolant and with small volumes of liquids. We welcome experimental and theoretical studies, as well as review papers.

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### Guest Editor

Dr. Dmitry Feoktistov

Associate Professor, Institute of Power Engineering, National Research Tomsk Polytechnic University, 30 Lenin Ave., Tomsk 634050, Russia

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### Deadline for manuscript submissions

closed (15 April 2023)



## Applied Sciences

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

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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

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