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Exploring Hydrothermal Synthesis of Nanofluids and Thermal Applications

Guest Editor:

Dr. Hafiz Muhammad Ali
Mechanical Engineering Department, King Fahd University of Petroleum and Minerals, Dhahran 31261, Saudi Arabia

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Message from the Guest Editor

With the advances in the nanofluid science, there are ample opportunities for the adoption of nanofluids in various engineering horizons such as thermal management, lubrication, energy harvesting, energy efficiency, etc. One of the major challenges for the adoption of nanofluids is the stability of such kinds of fluids, especially at higher temperatures. Different approaches have been proposed and adopted by researchers for various applications and temperature ranges to prepare stable nanofluids. In this Special Issue, we look into the preparation of nanofluids via hydrothermal synthesis which, due to the flexibility of wide temperature ranges, is attracting a great deal of attention around the globe. Additionally, this Special Issue will invite works performed on the important applications of nanofluids in various engineering sectors to facilitate future developments.

For further reading, please follow the link to the Special Issue Website at: http://www.mdpi.com/si/73922

Dr. Hafiz Muhammad Ali
Guest Editor

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Editor-in-Chief

Prof. Dr. Shirley Chiang
Department of Physics, University of California Davis, One Shields Avenue, Davis, CA 95616-5270, USA

Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call "nanomaterials". These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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Contact Us

Nanomaterials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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