

## Topical Collection

# Advanced Energy Materials and Research

### Message from the Collection Editors

We are inviting submissions to a Special Issue of *Energies* on “Advanced Energy Materials and Research”. The increasing energy demand and consumption due to growing global population and the critical relationship between energy, environment, and sustainability lead to novel discoveries and advancements in the field of energy materials in search of alternative resources as well as recycling and reuse of energy materials. The transformation of conventional fossil fuel to renewable and sustainable energy sources due to the geophysical and social stress results in the development of advanced energy materials to support emerging technologies. The emerging materials for energy associated application include but are not limited to photovoltaic, batteries, fuel cells, nanostructured materials, and light sources. In this Special Issue of *Energies*, original research articles or reviews on topics related to advanced energy materials and their characterization are welcome.

- solar energy
- fuel cell
- batteries
- electrolytes
- nanomaterials
- polymers
- semiconductor
- graphene
- biomaterials
- recycling and reuse of energy materials

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### Collection Editors

Dr. Prodip K. Das  
Prof. Dr. Nigel D. Browning  
Prof. Dr. Sara Walker

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## Energies

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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

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