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Thermodynamic Research on Inorganic Materials for Sustainable Processes and Applications

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Deadline for manuscript submissions:
closed (31 July 2021)

Message from the Guest Editors

Dear Colleagues,

We are organizing a Special Issue "Thermodynamic Research on Inorganic Materials for Sustainable Processes and Applications" aims to frame a comprehensive discussion and data sharing on inorganic materials research that enable the advancement of the clean energy and materials technology. We welcome original and review papers in the areas, but not be limited to;

- experiments on phase formation/synthesis and determination of thermal stabilities, transformations, and melting of inorganic materials
- comprehensive review on phase equilibria and thermodynamic investigation
- characterization of new energy conversion and storage inorganic materials
- thermodynamic modeling of problematic inorganic phases in the waste combustion processes
- fouling, slagging, and corrosion related issues in the combustion of biomass, municipal waste and industrial side streams
- emission control pertaining to the renewable energy industries
- cost-effective thermoelectric materials for industrial heat and energy recoveries
- high-performance and cost-effective thermoelectric materials in the automotive industry
- lightweight inorganic materials for energy efficiency

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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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