



Materials for Clean Processes in Energy

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Message from the Guest Editors

Dear colleagues,

There is an overwhelming compulsion in the development of new materials aiming to diminish the environmental footprint of processes in the energy field and to adapt their properties to target applications. A different approach is to create new and target materials for a definite application by varying the synthesis and activation conditions and methodology during preparation. This way, numerous new materials have recently been developed for specific applications in the field of energy. Thanks to the advances in material science, several energy storage and production processes have been transformed/reconverted into clean processes (biofuel industry, fatal energy recovery, renewable energy storage, etc.).

The topic of this Special Issue is the implementation of new materials in clean processes in the energy field:

- Biosourced material for energy recovery (biofuel, chars, etc.);
- Materials and composites for energy storage (PCM, salt hydrate, zeolites, etc.);
- Materials and catalytic materials for energy related processes (biofuels production and purification, biogas purification, etc.).





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Message from the Editor-in-Chief

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