

Special Issue

Nanostructured Materials for Photo and Electro-Catalysis

Message from the Guest Editor

Applications of nanomaterials are found in the majority of modern devices, ranging from household appliances to electronic gadgets. Nanostructured materials have attracted an enormous amount of attention, as they demonstrate behavior which is completely different to that of bulk materials. Nanostructured materials with different sizes, shapes and morphologies are used in various catalytic processes, such as photo and electrocatalysis for H₂ generation, oxygen reduction reaction, oxygen evolution reaction, CO₂ reduction, dye degradation and H₂O₂ production. This Special Issue invites submission for original research articles, as well as reviewing and progressing reports on nanostructured materials and their applications in photo and electrocatalysis. Submissions are welcome in the following areas related (but not limited) to nanostructured materials for H₂ generation, oxygen reduction reaction, oxygen evolution reaction, CO₂ reduction, water oxidation, and dye degradation, by photocatalytic and/or electrocatalytic processes. Additionally, this issue invites submissions for nanostructured electrocatalysts used in metal-air batteries.

Guest Editor

Dr. Ziyauddin Khan

Laboratory of Organic Electronics, Department of Science and Technology, Linköping University, SE-60174 Norrköping, Sweden

Deadline for manuscript submissions

closed (30 November 2021)



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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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