

## Special Issue

# Semiconducting Nanomaterials for Effective Environmental Remediation and Organic Synthesis

### Message from the Guest Editors

The studies invited to this Special Issue should have a focus on the recent development of nanomaterials especially solar active photocatalysts for wastewater treatment, selective organic transformation and energy-related applications. This issue will supplement the knowledge that relates to materials synthesis, characterization and their effective utilization related to the environment which is directly helpful to society. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Modification of metal oxides /sulphides and their multiple applications such as water splitting, Pollutant degradation, H<sub>2</sub> productions and CO<sub>2</sub> reductions
- Development of solar active photocatalysts for environmental remediation and organic synthesis
- Semiconductor mediated synthesis of novel heterocyclic compounds for biological applications
- Investigation of organic photochemical reaction and mechanisms
- Catalysis based synthesis.
- Materials science
- Nanoscience and technologies

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### Guest Editors

Dr. Balu Krishnakumar

Dr. Mani Durai

Dr. Sakthivel Kumaravel

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### Deadline for manuscript submissions

closed (31 March 2023)



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### Editor-in-Chief

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