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Semiconductor-Based Nanomaterials for Photocatalytic Applications—2nd Edition

Guest Editor

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Message from the Guest Editor

Dear Colleagues,

In recent years, semiconductor-based nanomaterials have been the object of extensive research. These types of nanomaterials can be employed as catalysts in a number of applications of heterogeneous photocatalysis, such as air and water treatment, the synthesis of organic compounds in mild conditions, hydrogen production from water splitting, and CO₂ transformation. This Special Issue is devoted to the formulation of new semiconductor-based nanomaterials, their chemical-physical characterization via traditional and innovative experimental techniques, and their performances in photocatalytic reactions. Research and review papers related to the preparation and characterization of nanomaterials with semiconductor properties and their application in UV or visible (or solar light)-driven photocatalytic reactions are welcome in this Special Issue.

See more information at https://mdpi.com/si/183613

Dr. Vincenzo Vaiano Guest Editor











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Editor-in-Chief

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Message from the Editor-in-Chief

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