

Special Issue

Metal Sulfide-Based Photocatalysts for Environmental Remediation and Green Energy Production

Message from the Guest Editor

The growth in the global population has resulted in the constant increase in environmental pollution and the need for sustainable and cheap energy sources. Therefore, the design and development of advanced materials for environmental remediation and green energy production are significant topics. There are a wide range of materials with photocatalytic applications, such as semiconductors, semiconductor-based heterojunctions, perovskites, and metal-organic frameworks (MOFs). Among these materials, due to their unique properties, such as suitable band gap energy for the absorption of light in the Vis and/or UV regions, chemical and photochemical stability, particle size, surface area morphology, etc., metal sulfide semiconductor nanostructures are considered attractive candidates for water/air treatment and purification, hydrogen production via photoelectrolytic water splitting, CO₂ reduction, the photodynamic therapy of cancer, and self-cleaning surfaces. It is our pleasure to invite you to submit original research articles and reviews to the Special Issue, focusing on, but not limited to, the abovementioned issues.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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