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Advances and Applications of Light-Driven Heterojunction Built-In Nanomaterials

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Deadline for manuscript submissions:

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Message from the Guest Editors

The material science domain contains a variety of photocatalysts that can address this versatile area of application. This prospect has led to a large amount of multidisciplinary research on the built-in heterojunction photocatalyst with improved structural, morphological and electronic properties, effectively increasing their efficiency. This Special Issue will provide an overview of the latest advances in this field, offering insights into the latest generation of photocatalytic materials. It plans to focus on the challenges, future directions and strategies for designs within the area of heterojunction photocatalysts and will be a useful resource for promoting research in this field. Therefore, the Special Issue will focus on:

- Advanced materials and their heterojunctions for enhanced photocatalysis;
- Photocatalyst modification (e.g., by noble metal, C nanotubes, etc.) and doping;
- Photoelectrochemical, photocatalytic and photobiological solar fuel production;
- Innovative synthesis and characterization methodologies.













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Message from the Editor-in-Chief

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