

## Special Issue

# Recent Advances in Industrial Applications of Photo/Electrocatalysis

### Message from the Guest Editor

Recent advancements in photocatalysis and electrocatalysis highlight their growing industrial potential for sustainable chemical processes. Key developments include high-performance catalysts (e.g., doped metal oxides, layered double hydroxides) and innovative reactor designs (e.g., flow-through photoreactors), enabling applications like CO<sub>2</sub> conversion and hydrogen production. This Special Issue seeks high-quality works that focus on recent breakthroughs, engineering strategies, and demonstrated applications of these technologies at the pilot or industrial scale. Topics of interest include, but are not limited to, the following: Design and development of photocatalysts and electrocatalysts for industrial use; Integration of catalytic systems in CO<sub>2</sub> reduction, hydrogen production, and pollutant treatment; Reactor design, flow systems, and process intensification; Coupled photocatalytic–electrocatalytic processes for enhanced efficiency; Techno-economic and lifecycle assessments of industrial applications; Case studies and demonstrations in industrial or near-industrial conditions.

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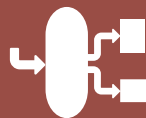
### Guest Editor

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### Deadline for manuscript submissions

30 August 2026



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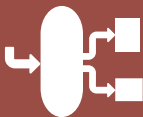


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### Editor-in-Chief

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