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Environmental Applications of Photocatalytic Processes

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Message from the Guest Editors

Photocatalytic processes have been investigated in different environmental applications, from water treatment to the production of solar fuels, but their application at a full scale are still scarce. The scope of this Special Issue is to contribute to both the advance of the knowledge on environmental applications of (photo)catalytic processes, as well as to the understanding of the main challenges to address to push up their application to full scale.

The subjects that will be preferably covered by this Special Issue include, but are not limited to: i) water/wastewater treatment; ii) water/wastewater disinfection; iii) water reuse; iv) new photocatalysts; v) solar driven photocatalytic processes; vi) new reactor design; vii) full scale applications; viii) new environmental/energy challenges (e.g., removal of contaminants of emerging concern, production of solar fuels, etc.); and ix) economic evaluation and scale up challenges of photocatalytic processes.