

Special Issue

Catalysis for Sustainable Environmental Solutions

Message from the Guest Editor

This Special Issue entitled “Catalysis for Sustainable Environmental Solutions” is related to the design and/or development of catalysts that are able to minimize adverse environmental impacts, such as greenhouse gas emissions, VOC pollutions, the presence of emerging contaminants in water, and all related recent environmental challenges. Such tasks can be achieved by means of tuning the chemico-physical properties of the catalytic materials or proposing innovative catalytic processes such as photothermocatalysis, photoelectrocatalysis, or the combination of different advanced oxidation processes (AOPs). Research and review papers dealing with all types of heterogeneous catalysis, including photocatalysis, electrocatalysis, environmental catalysis, biocatalysis/enzymes, and nanostructured catalysis to promote good catalytic efficiency, fall within the scope of this Special Issue. Moreover, engineering solutions, such as the development of new reactors or photoreactors or the combination of different multicycatalytic approaches or AOPs, are also within the scope of the Special Issue, and research on them is welcome.

Guest Editor

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Deadline for manuscript submissions

31 July 2026



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/226549

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