

## Special Issue

# Environmental Friendly Catalysts for Energy and Pollution Control Applications

### Message from the Guest Editors

A great variety of catalytic materials which include single metals as well as mixed metals (and their oxides) are currently being used either supported over alumina, silica, titania, ceria, zirconia, activated carbons, and zeolites, or directly attached to the reactor itself, allowing their continuous use and avoiding waste emissions. Similar cases are being found in Fenton catalysis, converted into EFCs, through heterogeneous Fenton-like variants. Moreover, the combined use of catalysts with UV/solar irradiation or in combination with O<sub>3</sub> and H<sub>2</sub>O<sub>2</sub> will always be preferable to that of other oxidant agents (persulfates). In the case of metal-organic framework (MOFs) type catalysts, research is being redirected towards designs that allow their recycling. In new nanostructured functional catalysts with varied applications, a marked tendency is being observed to develop materials, which allow multiple reuse in different operating cycles with high efficiency and selectivity. This Special Issue addresses the aforementioned topics.

### Guest Editors

Prof. Dr. José Ignacio Lombráña

Prof. Dr. Héctor Valdés

Dr. Cristian Ferreira

### Deadline for manuscript submissions

closed (31 December 2021)



## Catalysts

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*Catalysts*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[catalysts@mdpi.com](mailto:catalysts@mdpi.com)

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Prof. Dr. Keith Hohn

Carl R. Ice College of Engineering, Kansas State University, Manhattan,  
KS, USA

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