

## Special Issue

# Catalytic Materials: State-of-the-Art and Perspectives in Spain

### Message from the Guest Editors

When addressing the current challenges of society related to the increase in concern about the environment, industrial emissions, and the use of chemicals, new emerging technologies are needed. The solutions to such great challenges pursue sustainability and should mainly be based on zero waste, decarbonization, and cyclic economy. In this sense, catalysis is essential, as it is well known that it can boost and/or improve processes, e.g., by reducing their reaction times, related waste or costs. Furthermore, catalysis-based research may provide deep molecular insight into a process, broadening the understanding of the mechanisms of chemical reactions. This Special Issue will try to collect the latest research developed in Spain related to catalysis, paying special attention to environmental, energy, and chemical applications.

- catalysts preparation and characterization
- homogeneous and heterogeneous catalysis
- environmental catalysis
- catalysis and energy
- bio(mimetic)catalysis
- electrocatalysis
- photocatalysis
- multifunctional catalysts
- CO<sub>2</sub> conversion

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### Guest Editors

Prof. Dr. Diego Luna

Dr. Sergio Carrasco

Dr. Rebeca Martínez-Haya

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### Deadline for manuscript submissions

closed (31 May 2024)



## Catalysts

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Prof. Dr. Keith Hohn  
Carl R. Ice College of Engineering, Kansas State University, Manhattan,  
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