

## Special Issue

# Research and Application of Nanocatalysts

### Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue, entitled "Research and Application of Nanocatalysts", which is dedicated to highlighting the latest advances, challenges, and future perspectives in this dynamic field. Nanocatalysts play a pivotal role in a wide range of sectors, including environmental remediation, sustainable energy conversion, green chemical synthesis, and biomedical applications. From metal nanoparticles and metal oxides to carbon-based nanostructures and hybrid materials, researchers continue to explore innovative strategies for tuning their catalytic performance through morphology control, surface functionalization, and synergistic interactions. This Special Issue brings together original research articles, reviews, and perspectives that span experimental, computational, and theoretical studies.

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### Guest Editors

Dr. Kozhiparambil Chandran Sanal

Dr. Shadai Lugo Loredo

Dr. Andrea Cerdán-Pasarán

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### Deadline for manuscript submissions

30 June 2026



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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