



Advanced Nanoparticles: New Perspective in Catalysis

Guest Editors:

Prof. Dr. Chi He

Department of Environmental
Science and Engineering, State
Key Laboratory of Multiphase
Flow in Power Engineering,
School of Energy and Power
Engineering, Xi'an Jiaotong
University, Xi'an 710049, China

Dr. Haitao Yu

Biomimetics & Nanostructured
Materials Lab, University of
California, Irvine, CA 92697, USA

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Message from the Guest Editors

In this Special Issue, entitled "Advanced Nanoparticles: New Perspectives in Catalysis", seeks to explore the influence of nanoparticles on catalytic reactions and the overarching strategies for optimizing catalytic processes. Additionally, we welcome contributions that delve into advanced characterization and simulation methods as indispensable tools in this field.

Suitable topics include, but are not limited to, the following:

- Design and synthesis of catalysts;
- Methods for nanoparticle characterization;
- Optimization of parameters during the catalytic process;
- In situ characterization (SEM, TEM, XRD, optical microscopy, AFM, Raman, etc.) of catalytic reactions;
- Simulations of catalysis mechanisms;
- Surface and interface chemistry in catalysis;
- Stability and regeneration of catalysts;
- Catalyst applications in energy conversion and storage.





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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

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Processes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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