



Advanced Nanoparticles: New Perspective in Catalysis

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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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Message from the Editor-in-Chief

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