Special Issue

Advanced Nanoparticles: New Perspective in Catalysis

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.

Guest Editors

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Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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