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Heterogeneous Catalysts Synthesis and Characterization

Guest Editors:

Dr. Irina L. Simakova

Boreskov Institute of Catalysis, Novosibirsk, Russia

Prof. Dr. Dmitry Yu. Murzin

Faculty of Science and Engineering, Åbo Akademi University, 20500 Turku, Finland

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closed (20 April 2022)

Message from the Guest Editors

This Special Issue aims to encompass original scientific papers, short communications, and reviews on innovative approaches for catalyst preparation without any restrictions regarding the types of catalysts (zeolites, supported metals, MOFS, clays, carbons, nanotubes, structured catalysts, immobilized homogeneous catalysts, nanoreactors, composites, membranes, thin films, etc.). Besides classical methods of preparation (hydrothermal synthesis, sol-gel methods, impregnation, precipitation, etc.), the editors also anticipate contributions addressing less conventional methods such as surfactant assisted preparations, mechanochemical or plasma activation, ALD, CVD, flame and combustion methods, application of ultrasound, etc.

Keywords

- Heterogeneous catalysts
- Preparation
- Characterization
- Upscaling
- Theoretical approaches in catalyst preparation













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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, OC H3A 0C7, Canada

Message from the Editor-in-Chief

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