



Advances in Hydrotreating Catalyst Synthesis for Fuel and Chemical Production Processes

Guest Editors:

Dr. Kirtika Kohli

CSIR-Indian Institute of
Petroleum, Dehradun 248005,
India

Dr. Ravindra Prajapati

Illinois Sustainable Technology
Centre, University of Illinois
Urbana-Champaign, Champaign,
IL 61820, USA

Deadline for manuscript
submissions:

26 July 2024

Message from the Guest Editors

Dear Colleagues,

We would like to invite original research or review articles to a Special Issue of *ChemEngineering* entitled “Advances in Hydrotreating Catalyst Synthesis for Fuel and Chemical Production Processes”. Catalytic hydrotreatment is an essential refining step in producing fuels and chemicals in petroleum-based refineries. It also plays a crucial role in the development of biomass-based refineries, as hydrotreatment reactions are commonly utilized to limit the presence of nitrogen, sulfur, oxygen, aromatics, and olefins. The hydrotreating reaction can convert bulk fuels to high-calorie and environmentally acceptable ones. This Special Issue aims to encourage researchers to address recent progress in hydrotreating catalysts’ (supported and unsupported) formulation, characterizations, and reaction pathways for the fuel and chemical production processes. The submissions of studies on advanced synthesis methods and characterization techniques is highly encouraged.

Dr. Kirtika Kohli

Dr. Ravindra Prajapati

Guest Editors

