



## Frontiers in Heterogeneous Catalysts for Desulfurization of Fuel Oil

Guest Editors:

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Deadline for manuscript  
submissions:

**closed (20 July 2022)**

### Message from the Guest Editors

This is a Special Issue on the recent advances in heterogeneous catalysts used in the desulfurization of fuel oil, which includes hydrodesulfurization (HDS) and oxidative desulfurization (ODS). This includes both computational calculations and experimental results. We are interested in, but not limited to, the study of HDS and ODS catalysts. Other desulfurization techniques, like adsorption desulfurization, can be included. We will particularly focus on the discovery of new heterogeneous catalysts to improve the desulfurization efficiency of fuel oil. From a theoretical perspective, we highly encourage submissions that involve the theory of atom and molecule (QTAIM) analysis in clarifying the mechanism in HDS and ODS reactions.

