

Special Issue

Catalysis in Zeolites and Zeotypes—Cornerstone of Chemical Industry and Permanent Subject of Research

Message from the Guest Editor

Zeolites are microporous crystalline aluminosilicates endowed with amazing properties, which have made them important industrial catalysts, adsorbents, and ion exchangers for more than 50 years. About 250 different structural types of zeolites are known at present. Each of them is unique in terms of the shape and size of the pores, and the dimensionality of the pore systems. The purpose of this Special Issue is to provide information on the latest advances in zeolite chemistry, including advances in the synthesis and characterization of zeolites and their application in catalysis and adsorption/separation processes. Topics include but are not limited to conventional 3D zeolites and zeotypes, hierarchical and layered zeolitic materials, as well as zeolite-based composites. We welcome original research papers and short reviews dealing with the study of catalytic activities, the kinetics and mechanisms of chemical processes, the synthesis of new catalytically active materials, the characterization of active centers by advanced characterization methods, the adsorption properties of microporous materials, and applications of molecular sieves and membranes.

Guest Editor

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