

## Special Issue

# Zeolites as Catalysts: Applications in Chemical Engineering, Energy Sources and Environmental Protection

### Message from the Guest Editors

Zeolites are crystalline aluminosilicates possessing a 3D network structure that are widely considered to be the leading materials of the last few decades in the fields of chemical engineering, energy sources and environmental protection. Zeolites are commonly used for various processes, such as dehydration, gas separation and synthesis, air pollution control (H<sub>2</sub>S, SO<sub>2</sub> and NO<sub>x</sub> decontamination), fuel conversion (electrolyte film), petroleum cracking and others, playing the role of membrane, catalyst and support. This Special Issue is dedicated to novel research and discussions on zeolites, with a focus on, but not limited to, the following: (1) Fundamental research on mechanisms of the formation of pores for zeolites; (2) Zeolites used as the membrane, catalyst and support; (3) Theoretical simulation and machine learning research for zeolites; (4) Novel applications for zeolites; (5) Related porous materials. Original research papers and reviews providing new insights into the area are welcome.

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### Deadline for manuscript submissions

closed (30 September 2023)



## Catalysts

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