

## Special Issue

# Catalysts in Environmental and Climate Protection

### Message from the Guest Editors

The formation of large amounts of CO<sub>2</sub>, nitrogen oxides, sulfur oxides, carbon monoxide, and/or volatile organic compounds (VOC)—both in conventional energy generation processes and key technological processes such as cement production, iron metallurgy, and chemical and refining industries—often necessitates the use of expensive procedures that minimize the amount of pollutants emitted into the environment. The solution to these problems is the application of various types of catalytic processes related to the removal of undesirable substances or their chemical utilization. Such processes include, for example, chemical CO<sub>2</sub> sequestration processes (dry reforming of methane, tri-reforming or methanation), glycerin processing, the refining of refinery industry products in hydrotreatment, hydroisomerization, or hydrooxidation processes, in addition to processes directly related to the removal of the previously mentioned compounds from waste gases. This Special Issue intends to present the most recent progress in the design of catalysts for environmental and climate protection.

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### Guest Editors

Prof. Dr. Monika Motak

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Dr. Xiong Zhang

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### Deadline for manuscript submissions

closed (20 December 2021)



## Catalysts

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