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New Generation of Eco-Friendly Catalysts for Selective Catalytic Reduction (SCR) of NOx and Related Reactions

Guest Editor:

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Message from the Guest Editor

Concerning the large number of available processes for nitrogen oxides, selective catalytic reduction (SCR) through the use of different reducing agents (hydrocarbons, urea or ammonia) and operating methods (with/without NO_x traps) has become the most important technique and is, at present, being widely applied in some countries.

The aim of this Special Issue is to cover promising recent research and new trends in the field of heterogeneous catalytic materials for SCR and other important environmental reactions. Oxides, phosphates, and bioavailable materials could open new scenarios in this field. The aim will also be to provide an understanding of the influence of catalysts composition and structure on their catalytic performances in predicting future applications.