

Special Issue

Catalytic Science in Air Pollution Control: Experimental and Theoretical Achievements

Message from the Guest Editors

Catalysis science is one of the most important cornerstones of modern industrial civilization. However, while catalysis science is indubitably beneficial to humanity, it also greatly increases the risk that the results of human activities will exceed what the environment can tolerate. Catalytic science has achieved great success in industrialization, but it is now facing new challenges when it comes to protecting the environment and ensuring the sustainable development of human beings. It is for this reason that environmental catalysis has recently come to be, whose main achievements so far have focused on air pollution control. This Special Issue welcomes both review and original research articles on the catalytic elimination of air pollutants, especially in motor vehicle exhaust and stationary source flue gas, including but not limiting to the following topics:

- Selective catalytic reduction of NO_x;
- Catalytic oxidation of volatile organic compounds;
- Catalytic elimination of carbon monoxide;
- Catalytic combustion of soot.

Guest Editors

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Deadline for manuscript submissions

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).