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Emissions Control Catalysis

Guest Editors:

Prof. Dr. Ioannis V. Yentekakis
Physical Chemistry and Chemical Processes Laboratory, School of Environmental Engineering, Technical University of Crete (TUC), 73100 Chania, Greece

Dr. Philippe Vernoux
Institut de Recherches sur la Catalyse et l'Environnement de Lyon, LyonTech-La Doua Campus, IRCELYON, 2 Avenue Albert Einstein, CEDEX, F-69626 Villeurbanne, France

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Message from the Guest Editors

"Emissions Control Catalysis" in the frame of Environmental Catalysis is continuously growing up, providing novel multifunctional, nano-structured materials, promoted by several ways (i.e., surface or support induced promotion, electrochemical promotion, alloys, etc.) in order to be very active and selective for the abatement of a variety of pollutants and greenhouse gases, such as CO, NO_x, N_2O, NH_3, CH_4, higher hydrocarbons, Volatile Organic Compounds (VOCs) and particle matter (PM) as well as other specific pollutants emitted by industry (e.g., SO_x, H_2S, dioxins, aromatic hydrocarbons) or landfill and wastewater treatment plants (biogas). In many cases the concept of *Cyclic Economy* is concerned in emission control catalysis strategies for the production of useful chemicals and fuels from the controlled pollutants (e.g., CO_2 hydrogenation, syngas production from biogas, etc.).