



an Open Access Journal by MDPI

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

Deadline for manuscript submissions: closed (31 March 2019)

Message from the Guest Editors

"Emissions Control Catalysis" in the frame of Environmental Catalysis is continuously growing up, multifunctional providing novel 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, NOx, N2O, NH3, CH4, higher hydrocarbons, Volatile Organic Compounds (VOCs) and particle matter (PM) as well as other specific pollutants emitted by industry (e.g., SOx, H2S, 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., CO₂ hydrogenation, syngas production from biogas, etc.).



