

Special Issue

Catalytic Wet-Air Oxidation Processes

Message from the Guest Editors

Rapid development of industrial processes generates a wide variety of wastewater, and its disposal has become a major environmental problem. Wet air oxidation (WAO) is an attractive technique for industrial wastewater treatment, involving the oxidation of organic matter at relatively high temperatures and pressures. In order to be able to employ milder operating conditions and to reduce the operating costs, catalytic wet air oxidation (CWAO) has been developed. The presence of a catalyst enhances the formation of highly reactive hydroxyl radicals and promotes the removal of reaction intermediate compounds. This Special Issue is focused on catalytic wet air oxidation processes as alternative treatment methods for aqueous pollutants. Original research papers and short reviews addressing the synthesis and characterization of new catalysts, the influence of the different operating parameters and reactor types, the reaction kinetics and mechanisms and identification of intermediates are invited for submission.

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