# Special Issue

# Innovative Nano and Micro Heterogeneous Catalysts for Wastewater Treatment and Industrial Processes

## Message from the Guest Editors

A notable number of materials, at micro or nano-scale, have been produced in the last twenty years. Between these novel materials, heterogeneous catalysts, directly suspended as a powder in the liquid phase in stirred-tank reactors or supported on packing materials to fill packed-bed reactors, have been widely adopted to develop heterogeneous catalyzed industrial processes or for the treatment of complex wastewaters. Fenton treatment still represents a suitable catalytic process for the removal of various organic contaminants as well as for the recovery/removal of heavy metals and can be developed in different ways, also without the necessity of hydrogen peroxide addition.

In this Special Issue, interested researchers are invited to submit original research papers, as well as review articles, on any topic related to the application of heterogeneous catalysts for the development of industrial production processes or wastewater processes. The studies should report the complete re-use of the treated wastewater and of the used catalyst in another process (for industrial or civil/agricultural uses), focusing on the overall costs and sustainability of the proposed processes.

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## Deadline for manuscript submissions

closed (20 November 2021)


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## Editor-in-Chief

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