Special Issue

Nonthermal Plasma-Assisted Catalytic Reactions for Environmental Protection

Message from the Guest Editors

In recent years, research on “nonthermal plasma technology” (NTP) has notably increased. NTP can be generated in atmospheric pressure discharges-pulsed corona, pulsed glow discharge, micro-hollow cathode discharge, dielectric barrier discharge, RF discharge, and microwave discharge and generally contains ions, electrons, radicals or molecules with very high reactivity. NTP exhibit higher selectivity compared to thermal plasma based systems and are a very active research area devoted to the intensification of chemical processes, as well as to environmental depollution. This Special Issue is focused on “Nonthermal Plasma Assisted Catalytic Reactions for environmental protection”, featuring the state-of-the-art in this field. Research papers related to the most relevant results regarding catalyst formulation to be used in nonthermal plasma reactors for water and wastewater treatment and removal of gaseous pollutants are welcome in this Special Issue.

Guest Editors

Dr. Vincenzo Vaiano

Department of Industrial Engineering, University Salerno, Via Giovanni Paolo 2 132, I-84084 Fisciano, Salerno, Italy

Dr. Giuseppina Iervolino

Department of Industrial Engineering, University Salerno, Via Giovanni Paolo II 132, I-84084 Fisciano, Salerno, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
catalysts@mdpi.com

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Prof. Dr. Keith Hohn
Carl R. Ice College of Engineering, Kansas State University, Manhattan, KS, USA

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