



Photocatalysts for Organics Degradation

Guest Editors:

Prof. Dr. Barbara Bonelli

Prof. Dr. Maela Manzoli

Dr. Francesca S. Freyria

Dr. Serena Esposito

Deadline for manuscript
submissions:

closed (31 July 2018)

Message from the Guest Editors

This Issue is devoted to papers concerning the synthesis, the physico-chemical properties and the performance of photo-catalysts for the degradation of organic pollutants. Research papers, reviews and perspectives dealing with the photo-catalytic degradation of most common organic pollutants (dyes, pesticides, herbicides, etc.) are welcome, as well as papers dealing with the removal of emerging ones, like drugs and their metabolites. Authors are encouraged to enlighten several aspects, including the synthesis of novel photocatalysts (hybrid materials, quantum dots, colloidal nanoparticles, doped mesostructured materials, etc.), the optimization of processes utilizing state-of-art photocatalysts and the influence of the physico-chemical properties of the photocatalyst on its final performance. Since one of the main issues related to the photocatalytic degradation of organic pollutants is their actual mineralization as well as the formation of by-products that can be per se harmful, a number of papers dealing with the correct determination of mineralization as with the detection of such by-products is expected.

