



Photocatalytic and Enzymatic Degradation of Water Pollutants

Guest Editors:

**Prof. Dr. Pedro Modesto
Alvarez Pena**

Departamento de Ingeniería
Química y Química Física,
Universidad de Extremadura,
Badajoz, Spain

Dr. Ana Rey

Universidad de Extremadura,
Departamento de Ingeniería
Química y Química Física,
Badajoz, Spain

Deadline for manuscript
submissions:

closed (30 June 2021)

Message from the Guest Editors

This special issue on *Photocatalytic and enzymatic degradation of water pollutants* invites contributions dealing with the synthesis, characterization and/or applications of photocatalysts in reactions with water pollutants in the presence of UV-vis radiation. Also, it calls for papers on isolation, purification and/or immobilization of enzymes with activity towards the degradation of hazardous water pollutants, including contaminants of emerging concern. Catalyst (photocatalyst and/or enzymes) activity, reaction mechanisms, reusability and the impact of process conditions and reactors on the process efficiency to remove specific water pollutants or surrogate pollution parameters such as TOC or COD are of great interest. The aim is to look for conditions that would make photocatalysis and or enzyme degradation of water pollutants promising methods to be scaled-up.

