



Photocatalysis and Renewable Materials

Guest Editors:

Dr. Daniele Dondi

Department of Chemistry,
University of Pavia, 27100 Pavia,
Italy

Dr. Dhanalakshmi Vadivel

Department of Chemistry,
University of Pavia, 27100 Pavia,
Italy

Dr. Andrea Speltini

Department of Chemistry,
University of Pavia, 27100 Pavia,
Italy

Message from the Guest Editors

Modern science can no longer do without taking into consideration the protection of the environment and the intelligent use of natural resources. From this point of view, photocatalysis is an excellent candidate to be included in sustainable chemistry. The use of renewable materials, both directly for the preparation of the catalyst or indirectly for the fuel production or depollution, united to the possible use of solar light, is the main purpose of this Special Issue. Topics can include (but are not limited to):- Fuel production (i.e. hydrogen) from renewable resources;- Sustainable (hybrid) photocatalysts;- Nano and nanostructured materials;- Photocatalytic water treatment and renewable energy applications;- Photocatalytic water oxidation and reduction assisted by waste sacrificial donors;- Photocatalytic CO₂ reduction into renewable fuels.

Deadline for manuscript
submissions:

closed (31 January 2022)

