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Photocatalysis and Renewable Materials, 2nd Edition

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Message from the Guest Editors

This is the second edition of the Special Issue titled "Photocatalysis and Renewable Materials". Modern science can no longer do without taking into consideration the protection of the environment and the intelligent use of natural resources, also in the context of a circular economy. 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 fuel production or depollution, united for the possible use of solar light, is the main purpose of this Special Issue. Topics can include (but are not limited to) the following:

- 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 CO_2 reduction into renewable fuels.

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