



Metal Oxides as Photocatalysts: Processes, Properties, and Applications

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Message from the Guest Editors

Dear Colleagues,

The important components of photocatalysis are the catalysts used—as a rule. Among the most commonly studied compounds as photocatalysts are the oxides of Ti(IV), Zn(II), Sn(IV), Ce(IV), which have shown efficiency in the decomposition of pollutants and their mineralization to harmless products. The metal oxides with properties of semiconductors are not limited to those mentioned above, and there remains the possibility to find new oxides which can lead to the development of new photocatalysts. That is why we are initiating the presented Special Issue “Metal Oxides as Photocatalysts: Processes, Properties, and Applications”. The intention is to cover research in the field of oxidation processes under light irradiation, modeling, and application of metal oxides as photocatalysts. Among the possible topics considered, but not limited to:

- Synthesis and characterization of metal and mixed metal oxide semiconductors;
- Application of metal and mixed metal oxides as photocatalysts for decomposition of water pollutants;
- Processes of water purification under UV and Vis light irradiation.

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Message from the Editor-in-Chief

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