

Special Issue

Photocatalysis and Sonocatalysis for Environmental Applications: Synergy or Competition?

Message from the Guest Editor

Within the progressive increase of environmental concerns, many efforts are directed towards finding promising methods for the removal of pollutants from wastewater using reagent-free technologies. Among different advanced oxidation processes (AOPs), photocatalysis and sonocatalysis are considered promising techniques for the degradation of organic pollutants. These processes are often considered as competing approaches. However, comparative studies of these techniques are still scarce in the literature. Moreover, several studies have pointed out that the choice of a suitable treatment process, such as sonocatalysis, photocatalysis, or their combination (sonophotocatalysis), is highly dependent on the nature of pollutant and chosen catalyst. This Special Issue seeks to bridge the gap between photo- and sonocatalysis. You are cordially invited to submit both review and original research articles dealing with photocatalytic, sonocatalytic and sonophotocatalytic processes for the degradation of organic and biological pollutants in water and wastewater matrices. Dr. Sergey Nikitenko

Guest Editor

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Deadline for manuscript submissions

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