Special Issue

Green Catalysts: Application to Waste and Groundwater Treatment

Message from the Guest Editors

Water pollution is one of the most important global problems as a result of population growth, industrial development, and associated resource consumption. This context requires solutions according to sustainability criteria, based on the application of efficient, economic, and low-environmental impact processes. Some of the major advances in the treatment of wastewater by different oxidation and reduction processes over the past decade have been in the area of catalysis, and therefore, interest in the use of green catalysts has greatly increased. Green catalysts are eco-friendly, inexpensive, reusable, and/or recyclable materials that reduce or eliminate the use or generation of hazardous substances. Therefore, sustainable water management should be focused on the development of materials that combine eco-efficiency and performance, recyclability, and costs. This Special Issue aims to report recent advances and future challenges in the use of green catalysts for the treatment of polluted waters.

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