

Special Issue

Biodegradation of Conventional and Emerging Pollutants

Message from the Guest Editors

The development of numerous industrial sectors has resulted in the production of several novel compounds, such as pharmaceuticals, pesticides, and various chemical additives. These groups often include xenobiotics with an unknown environmental impact. Furthermore, the growing population of consumers corresponds to increased usage of personal care products. This leads to constant use of surfactants, polymers, and organic solvents. Our economy is currently facing shift from nonrenewable resources to sustainability; therefore, the contamination with petroleum hydrocarbons as well as heavy metal ions still remains a topic. Despite the improvement of environmental awareness, chemical compounds are continuously released into the environment, and chronic exposure to low doses of pollutants has been recognized as a major health threat. In order to counter the abovementioned issues, there is an urgent need to provide appropriate analytical, technical, and legal solutions.

As such, this Special Issue is focused on the identification of conventional and emerging pollutants as well as the description of monitoring and treatment methods.

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As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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