

Special Issue

Membrane Processes for the Metal-ion/Pollutants Detection on Water and Treatment of Industrial Wastewaters

Message from the Guest Editor

Wastewater contains a series of heavy metals and other organic substance functions of the production cycle. As regards sustainable development, it is necessary to treat wastewater to avoid the dispersion of toxic substances into the environment, maximize the reuse of the treated water, and if possible to valorize the compounds contained in the solutions. In this perspective, membrane processes seem to be a promising technology to reduce wastewater. Another aspect is the opportunity to use the membranes for the ion and pollutants detection in water that could be useful for the implementation and development of new processes for wastewater treatment. This Special Issue seeks contributions to assess the state-of-the-art and future developments in the field of wastewater treatments and metal-ion/pollutants detection based on membrane processes. Topics include but are not limited to laboratory scale research, pilot research activity, innovative membranes, and their application for the removal/and reuse of inorganic and organic compounds, and demonstration efforts and industrial exploitation. Both original papers and reviews are welcome.

Guest Editor

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Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375). *Membranes* is an international, peer-reviewed open access journal of membrane technology published monthly online by MDPI. The journal covers the broad aspects of the science and technology of both biological and non-biological membranes, including membrane dynamics and the preparation and characterization of membranes and their applications in water, environment, energy, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Spas D. Kolev
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