Special Issue

Advances in Heavy Metal Removal from Groundwater and Wastewater

Message from the Guest Editors

Currently, the removal of metals from groundwater and wastewater is being addressed through the use of nanomaterials such as carbon-based nanostructures, MOFs, and metal-oxide nanoparticles used directly in processes such as adsorption or embedded in membranes. These materials mentioned above are normally used in advanced electrochemical methods or by modifying their surfaces physically, chemically, or magnetically, or by using a combination of several of these methods. The aim of this Special Issue is to present the latest advances in metal removal using both the materials and technologies mentioned above and to conclude with new lines of research related to this topic. Suitable topics for this Special Issue include, but are not limited to, the following: carbon-based nanostructures, MOFs, metal-oxide nanoparticles, biomasses, biochars & activated carbons modified physically, chemically or magnetically, advanced electrochemical methods, and the combination of several of the above, all focused on the removal of heavy metals from groundwater and wastewater.

Guest Editors

Prof. Dr. Ma Rosario Moreno-Virgen
Tecnológico Nacional de México, Instituto Tecnológico de Aguascalientes, Aguascalientes 20256, Mexico

Dr. Hilda Elizabeth Reynel-Ávila
Tecnológico Nacional de México, Instituto Tecnológico de Aguascalientes, Aguascalientes 20256, Mexico

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Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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