

Special Issue

Removal and Recovery of Nitrogen and Phosphorus from Wastewater

Message from the Guest Editor

Nitrogen and phosphorus in wastewater are the main factors causing eutrophication of water bodies, resulting in a sharp drop in biodiversity in the water and contamination of drinking water sources all over the world. The global demand for phosphate will exceed the supply and lead to global phosphorus scarcity in the near future. Various types of wastewater treatment techniques, including enhanced biological phosphorus removal, the shortcut nitrification and denitrification process, the anammox process, chemical precipitation, electrochemical methods, adsorption, mineralization, etc., have been widely used for the removal and recovery of nitrogen and phosphorus from wastewater. However, the mechanisms and engineering applications of these techniques still need to be studied and validated. Moreover, new methods, processes and technologies for nutrient removal and recovery in biological, chemical and physical treatment of wastewater are being developed. Hence, this Special Issue is mainly focused on bringing together innovative techniques and developments in the field of wastewater treatment engineering.

Guest Editor

Dr. Qian Ping
School of Environmental Science and Engineering, Tongji University,
Shanghai 200092, China

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

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Prof. Dr. Frank L. Dorman
Department of Chemistry, Dartmouth College, Hanover, NH 03755,
USA

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