Special Issue

Innovations in Technologies for Nutrients Removal and Recovery From Water and Wastewater

Message from the Guest Editor

Currently the release of nutrients in water and soil is an important environmental issue. Several biological and physical-chemical techniques for the removal of nutrients compounds are available. The nitrogen forms can be biologically removed by means of conventional nitrification-denitrification mechanisms or through autotrophic processes. The abatement of phosphorus can be achieved in biological treatment plants in which the growth of PAO microorganisms is promoted. Among the physical-chemical technologies, air stripping and breakpoint chlorination have been largely applied for ammonium removal. The chemical denitrification is an interesting technique for nitrate reduction. The abatement of phosphorus can be accomplished through precipitation treatments. Other processes are potentially applicable to remove nutrients. Among the different solutions, an approach based on resource recovery and reuse is very attractive because it promotes the development of sustainable technologies. The Special Issue welcomes papers focused on the latest knowledge and innovations on any type of processes for the removal and recovery of nutrients from water and wastewater.

Guest Editor

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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