



Efficiency Evaluation of Water Treatment

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Message from the Guest Editors

Dear Colleagues,

The current crisis of raw water imposes the advanced treatment of wastewater, respecting the requirements before reuse or disposal. The efficiency of wastewater treatments depends on certain factors that determine how to improve removal efficiency. The challenge today is to consider water treatment as a complex process that must be analyzed in a unitary manner, considering all interdependence among mechanical, physical, chemical, electrochemical, photocatalytical, biological, etc., processes.

The aim of a wastewater treatment plant is the production of desired quality water at the lowest cost, which means improving efficiency. This can be realized by: decreasing operating costs; increasing final water quality; improving treatment processes; minimizing the environmental, health, and safety impact; reducing waste; etc.

The main objectives of this Special Issue on “Efficiency Evaluation of Water Treatment” are to evaluate the efficiency of wastewater treatment and share discoveries to find efficient treatment methods and improve the instruments for evaluation, in order to obtain water that can be reused. To this end, the efficiency evaluation of new materials (membranes, adsorbents, catalysts/photocatalysts, coating materials, polymers, carbon nanotubes, chitosan, hydroxyapatite, etc.), filtration/microfiltration, ion exchangers resin, coagulation/flocculation, electrocoagulation, photocatalysis, osmosis, etc., shall be considered.





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Message from the Editor-in-Chief

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