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Emerging Contaminants Removal from Wastewater

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Message from the Guest Editor

Dear Colleagues,

Taking into account the increase in the concentration of POPs (EDCs, emerging contaminants, etc.) in the environment, scientific analysis should be extended. In this scientific area, investigations into the identification and determination of scale of environmental hazards are required. It is also important to develop efficient methods of elimination of these compounds from wastewater and protection of surface, groundwater, and water organisms from contaminants.

In processes such as adsorption, coagulation, or membrane, the removal of pollutants takes place, whereas during advanced oxidation methods, chemical and photochemical processes result in the degradation of organic compounds. At present, special attention is paid to the development of novel adsorbents, coagulants, and membranes made of materials of higher efficiency, retention ability, persistent to fouling and able to regenerate. Moreover, studies tend to develop technological parameters of processes carried out in integrated systems consisting of a few unit processes characterized by higher efficiency.

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Message from the Editor-in-Chief

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