

Emerging compounds removal from wastewater : natural and solar based treatments

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Abstrak

Researchers have drawn attention on the implementation of more environmentally friendly technologies able to achieve high removal efficiency at low costs.

Emerging compounds removal from wastewater by green technologies : natural and solar based treatments introduces green chemistry in relation to these treatment technologies. More specifically, this volume :

- Reviews the suitability of alternative adsorption processes that use natural adsorbents natural materials or agricultural waste in light of the inefficiency of conventional wastewater treatment plants
- Evaluates the potential of constructed wetlands for the removal of some categories of trace contaminant of worldwide relevance in view of their application as decentralized systems
- Highlights the promising role of a special class of oxidation techniques defined as Advanced Oxidation Processes (AOPs) supported by sunlight.

This volume will be of great interest to students, technicians, and academics alike who are interested in evaluating and selecting the technologies that lead to better and more sustainable treatment of this huge class of pollutants.