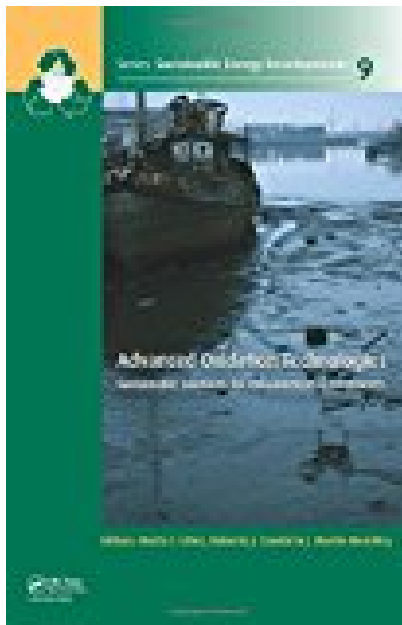


Advanced Oxidation Technologies Sustainable Solutions for Environmental Treatments Sustainable Energy Developments



BOOK DETAILS

- Author :
- Pages : 350 Pages
- Publisher : CRC Press
- Language : English
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BOOK SYNOPSIS

Advanced Oxidation Technologies (AOTs) or Processes (AOPs) are relatively new and innovative technologies to remove harmful and toxic pollutants. The most important processes among them are those using light, such as UVC/H₂O₂, photo-Fenton and heterogeneous photocatalysis with TiO₂. These technologies are also relatively low-cost and therefore useful for countries under development, where the economical resources are scarcer than in developed countries. This book provides a state-of-the-art overview on environmental applications of Advanced Oxidation Technologies (AOTs) as sustainable, low-cost and low-energy consuming treatments for water, air, and soil. It includes information on innovative research and development on TiO₂ photocatalytic redox processes, Fenton, Photo-Fenton processes, zerovalent iron technology, and others, highlighting possible applications of AOTs in both developing and industrialized countries around the world in the framework of "A crosscutting and comprehensive look at environmental problems". The book is aimed at professionals and academics worldwide, working in the areas of water resources, water supply, environmental protection, and will be a useful information source for decision and policy makers and other stakeholders working on solutions for environmental problems.

ADVANCED OXIDATION TECHNOLOGIES SUSTAINABLE SOLUTIONS FOR ENVIRONMENTAL TREATMENTS SUSTAINABLE ENERGY DEVELOPMENTS

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