

Second Edition

Environmental Treatment Technologies for Municipal, Industrial and Medical Wastes

Remedial Scope and Efficacy



Subijoy Dutta

Environmental Treatment Technologies for Municipal, Industrial and Medical Wastes
Second Edition

Dutta

"This comprehensive work will serve working engineers, government regulators, and environmental stewards. The reader will be solidly grounded in a wide range of solutions for environmental remediation. And such solutions will surely continue to be needed for a long time to come."

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Dr. Kumar Kanti Das, F.A.C.S, F.R.C.S, Kalyani Hospital, Silchar, India

Environmental Treatment Technologies for Municipal, Industrial and Medical Wastes will provide the reader with a simple and clear path to analyzing the full range of options to manage/treat any solid, hazardous, or medical waste problems/issues at hand.

This book aims to disseminate information on available remediation treatment technologies to developing and developed countries. It will also include adequate information on all available treatment technologies for waste treatment technologies (hazardous, non-hazardous municipal solid waste, and medical waste). The technologies will be grouped into the following categories: Containment Technology; Soil Washing; Thermal Treatment; Vapor Extraction; Bioremediation including Phytoremediation; Plasma/Incineration; Other Physical/Chemical Treatments.

It enlightens the effect of emissions during remediation activities on climate change and suggests measures to identify and control such emissions. It also covers the application of remote sensing technologies with examples and the impending issue of proper disinfection and disposal of COVID-19-related waste.



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Subijoy Dutta, S&M Engineering Services, Crofton, Maryland, USA

The purpose of this book is to disseminate information on available remediation treatment technologies to developing and developed countries. It provides details on various waste treatment technologies for hazardous and medical wastes. It will provide the reader with a simple and clear path to analyzing the full range of options to manage/treat any solid, hazardous, or medical waste problems/issues at hand. It should help the reader to first identify what type of waste they are dealing with and the site remediation process as a whole to appropriately resolve the situation. This book is intended for almost anyone involved in environmental pollution control.

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