

Waste Management and the Environment II

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Waste Management and the Environment II

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Preface

This book constitutes the first volume of the proceedings of the Second International Conference on Waste Management, held in Rhodes, Greece, from 29 September – 1 October 2004. The conference was organized by the Wessex Institute of Technology with the collaboration of University of Thessaly, Greece and EcoTopia Science Institute, Nagoya University, Japan.

Waste management poses many problems to modern society, and there is a significant need for more research on current disposal methods such as incineration, chemical and effluent treatment, waste separation, recycling, waste minimization, clean technologies, waste monitoring, public and corporate awareness and general education.

Since waste legislation has now been introduced in many countries around world, the desired direction of the waste management is towards sustainable strategies, mainly waste minimisation, separation and re-use of materials. This largely decreases the volume of the waste that needs final disposal. However, the sustainable strategies still need to find answers to some issues, which are related to environmental and safety aspects of certain recycled materials or by-products of waste management activities, improvement of current technologies, collaboration between the public, government and private sectors, regulatory and monitoring issues, involvement of stakeholders, etc.

The conference was organized into twelve sessions, which enabled the delegates to more efficiently share existing expertise and discuss the challenges and opportunities for improving waste management and recycling.

The contributions are conveniently divided under the following broad subject headings: Advanced waste treatment technology; Biological treatment of waste; Biosolids, composting and agricultural issues; Waste reduction and recycling; Hazardous waste management; Disposal of hazardous waste in underground mines; Environmental effects and remediation; Landfills, design, construction and monitoring; Water and wastewater treatment; Waste management strategies and planning; Waste management in Greece; Methodologies and practices.

The content of the proceedings would be of interest to government officials, waste disposal experts, research scientists in the area of waste management, State Agencies' representatives, Municipal Governments, Regulatory and Monitoring officials, Senior management from Utilities and Infrastructure Service Delivery Firms, and environmental engineers.

The Editors are grateful to all the authors for their excellent contributions and in particular to the members of the International Scientific Advisory Committee for the review of the abstracts and the papers and their help on ensuring high quality of this book.

The Editors
Rhodes, 2004

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