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Preface

This volume of the Transactions of Wessex Institute contains the papers presented at the 3rd International Conference on Waste Management and the Environment that was held in Malta in June 2006. The conference offered the opportunity for professionals involved in the waste management sector, industrial sector, governmental and non-governmental organizations as well as other interested parties to be involved in discussions on key issues and challenges in waste management and to exchange experiences and views on the current technologies and strategies applied in different parts of the world.

Waste management is one of the key issues of modern society and requires constant advancement in the adopted practices and technologies in order to keep up with the new industrial technologies and commodities introduced to the market every year, which can have varying impacts on the environment. Sustainable strategies in waste management are focused on reducing the amount of generated waste and recycling of the waste, the creation of which cannot be avoided with current technologies.

The proceedings of the conference address a wide range of the current waste management issues, which are conveniently arranged into the following sessions: Advanced waste treatment technology; Air pollution control; Biological treatment of waste; Clean technologies; Community involvement and education; Construction and demolition waste; Costs and benefits of waste management options; Hazardous waste, disposal and incineration; Landfills, design, construction and monitoring; Methodologies and practices; Resources recovery; Soil and groundwater cleanup; Waste incineration and gasification; Waste management, strategies and planning; Waste pre-treatment, separation and transformation; Waste reduction and recycling; Water and wastewater treatment.

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 standards for the conference.

The Editors
Malta, 2006

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