
Introduction

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Biographical notes: Hamidi Abdul Aziz is a Professor in Environmental Engineering in the School of Civil Engineering, Universiti Sains Malaysia. He received his PhD in Civil Engineering (Environmental) from the University of Strathclyde in 1992. He is currently the Head of the Solid Waste Management Cluster (SWAM), Universiti Sains Malaysia. He has 26 years of teaching and research experiences in the field of solid waste management, water, wastewater, and leachate treatment. He has become an editor and sits in editorial board members of a few international journals. Malaysia Academy of Sciences awarded him a Top Research Scientist of Malaysia in 2012.

Husnul Azan Tajarudin is a Senior Lecturer in Division of Bioprocess, School of Industrial Technology, USM. He obtained his PhD from the University of Wales, Swansea, UK. He is a competent person and Certified Environmental Professional in IETS Operation Biological Process. He is also a Registered Environmental Engineer under Board Engineer Malaysia.

Environmental management is concerned with the understanding of the structure and function of the earth system, as well as of the ways in which humans relate to their environment. It is also concerned with the description and monitoring of environmental changes, with predicting future changes and with attempts to maximise human benefit and to minimise environmental degradation due to human activities. Climate change, pollution and adverse environmental consequences are among the main issues in environmental management around the globe. Environmental technology is the application of the environmental science to conserve the natural environment and resources, and to curb the negative impacts of human involvement. Sustainable development is the core of environmental technologies. Without proper technology or management, the pollution prevention process will not work. The environmental technology revolution is a continuous process of switching from pollution technology and the cause of climate change to an efficient and clean technology. However, this revolution and technology will not bring any benefit to the environment if it is not managed holistically. Given the complexities of environmental challenges, this special

issue on 'Synergising environmental management and technology' provides a valuable avenue for researchers to share their findings in trans-disciplinary research to attain solutions from bold and innovative but comprehensive ideas. It also brings together the best ideas and inspirations from diverse fields to formulate these answers. Among the topics covered include but not limited to ecology, waste management, monitoring, biodiversity conservation, computer modelling and application, pollution control, environmental technology, cleaner technologies, environmental health and safety, overall environmental management, aquatic sciences, nanotechnology, humanities.