
Preface

Guang-Hao Chen

The Hong Kong University of Science and Technology,
Hong Kong, China
E-mail: ceghchen@ust.hk

Jiu-Hui Qu

Research Centre for Eco-Environmental Sciences,
Chinese Academy of Sciences,
Beijing 100085, China
E-mail: jhqu@rcees.ac.cn

Xiao-Chang Wang

Xi'an University of Architecture and Technology,
Xi'an 710055, China
E-mail: xcwang@xauat.edu.cn

Biographical notes: Guang-Hao Chen obtained a PhD in Environmental Engineering from Kyoto University in 1990. His major expertise includes biological sewage treatment, sewer process, and membrane bioreactor development. He serves on the editorial committees of *Water Research*, *Water Science and Technology*, and *Aqua*. Since 1992 he has organised five IWA sponsored international conferences. He has delivered 12 invited presentations for international conferences/workshops and edited 14 journal special issues/conference proceedings/book chapters in the past 10 years and published 120 research papers.

Jiu-Hui Qu graduated from Harbin Institute of Technology, and obtained a PhD in Municipal Engineering in 1992. He has been working on Environmental Engineering research at State Key Laboratory of Environmental Aquatic Chemistry, Research Center for Eco-environmental Sciences, Chinese Academy of Sciences, since July 1994. He is co-author of more than 100 papers published in international journals and more than 20 papers presented in congress.

Xiao-Chang Wang is a Professor and Vice President of Xi'an University of Architecture and Technology, China. He received his PhD from Hokkaido University, Japan. His research interests are in the areas of flocculation, wastewater reclamation, environmental risk assessment, wastewater treatment and ecological sanitation. He has led several international and domestic research projects on sustainable environmental technology.

In the last two decades, China has gained rapid economic development. More than half of the world's consumer products are produced in China. As a result, the environmental quality is deteriorating. Therefore, control of water and air pollution and land contamination has become one of the most urgent issues in China. In order to cope with various pollution problems as well as to develop suitable regulations and technologies, the Chinese government has invested huge amounts of resources, and active research and development in environment protection have been conducted at various research organisations and tertiary institutions across the country. Significant advances in both environmental science and technology have been achieved in the last 20 years.

The purpose of this special issue is, for the first time, to collectively provide the most up-to-date information on environmental studies as well as environmental technology developments in China, covering water and wastewater treatment, surface water quality control, and air pollution control and soil remediation. The main content of this special issue focuses on the following topics but is not limited to:

- new studies on water, air and soil contamination
- lab-scale to full-scale development of innovative water/wastewater treatment, air purification, soil remediation technologies
- surface water quality control, aquatic environment improvement, and water resources management
- water reclamation, sustainable water management strategies
- air pollution assessment, prediction, and control
- soil and land contamination control and remediation.

We received 54 papers from different channels. After pre-review by the editors and peer-review by two reviewers, 23 papers are recommended to publish in this Special Issue on Recent Research and Development of Environmental Science and Engineering in China. We believe that this special issue will help to promote the exchange of research findings and ideas between Chinese and international colleagues on environmental pollution control in China and the world.

This special issue would not be complete without the efforts of all invited reviewers, particularly the dedication of Professor Xiao-Chang Wang of Xi'an University of Architecture and Technology, Dr. Xu Zhao of Research Center for Eco-Environmental Sciences of Chinese Academy of Sciences, and Dr. Jin Wang of the Hong Kong University of Science and Technology during the paper review and correction. The editors owe a big vote of thanks to each of them.