

Preface

The purpose of the Third National Conference on Environmental Science and Technology, which was held in Greensboro, North Carolina on September 12–14, 2007 was to address pollution prevention, solutions, and research needs and foster relationships that could result in partnerships needed to protect and sustain the environment and improve the quality of life. The following topics are included in this book: Pollution Prevention, Fate and Transport of Contaminants, Bioremediation, Bio-processing, Innovative Environmental Technologies, Global Climate Change, and Environmental Justice and Ethics.

Several discussions about Global Climate Change, Pollution Prevention, Environmental Justice and Ethics among Godfrey A. Uzochukwu (Waste Management Institute, North Carolina A & T State University), Sherry Southern and Jeffrey Allison (DOE—Savannah River Site), Thomas Parker (CDM), Glennis Nelson (CDM), Jason Callaway (Allied Waste), Steve Roland (O'Brien & Gere), Marv Richardson (O'Brien & Gere) and Rick Crume (US Environmental Protection Agency) set the stage for the Third National Conference on Environmental Science and Technology. The following persons served on the Executive Conference Committee: G.B. Reddy (Professor of Environmental Microbiology), Shouu-Yuh Chang (Professor of Environmental Engineering), Vinayak Kabadi (Professor of Chemical Engineering), Keith Schimmel (Associate Professor of Chemical Engineering), Emmanuel Nzewi (Professor and Director of Civil and Environmental Engineering), Stephanie Luster-Teasley (Assistant Professor of Environmental Engineering) and Godfrey A. Uzochukwu (Professor and Director, Waste Management Institute). These individuals approved the conference theme – Environmental Science and Technology. The authors of presentations accepted for the Conference were asked to prepare a six-page (maximum) paper, following the guidelines developed by Springer. Full papers were peer reviewed and recommended for publication in the proceedings.

The following agencies are thanked for their financial support of the conference; NOAA Interdisciplinary Environmental Technology Cooperative Science Center; NSF Science & Technology Center; Allied Waste Services, O'Brien & Gere; US Department of Energy (Savannah River Site); US Environmental Protection Agency; North Carolina A&T State University (Waste Management Institute, DOE Chair of Excellence in Environmental Disciplines, School of Agriculture and

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Special thanks go to the following conference keynote speakers: Stanley F. Battle, Chancellor, North Carolina A&T State University; Gregory Green, US Environmental Protection Agency, Research Triangle Park; Sherry Southern, United States Department of Energy and Thomas Parker, CDM.

The conference co-sponsors, Springer and other supporting organizations did not review the published materials in this book. Their support for the conference is not an endorsement of the content.

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