

Preface

EESD series provides a forum for accessing to the most up-to-date and authoritative knowledge from both industrial and academic worlds, sharing best practice in the field of energy and environment. The first EESD2011 was held in Shanghai, the second EESD2012 in Jilin, China and the third EESD 2013 was held in Shanghai. The fourth conference EESD2014 was held in Nanjing, October 25-26, 2014 and was organized by Jiangsu University of Science and Technology and Shanghai University of Electric Power. The conference program covered invited, oral, and poster presentations from scientists working in similar areas to establish platforms for collaborative research projects in this field. This conference brought together academicians, researchers, engineers, policy makers, governmental officials, end users, and people involved in the energy and environmental industries and provided a platform to the participants to present their papers, share their expertise, establish new contacts, and discuss a range of energy and environmental technologies for sustainable development.

This book contains the selected accepted manuscripts from the subject areas of Environmental Chemistry and Biology; Environmental Materials and Processing Technology; Environmental Safety and Health; Environmental Planning and Assessment; Environmental Analysis and Monitoring; Environmental Restoration Engineering; Pollution Control Engineering; Waste Disposal and Recycling; Disaster Prevention and Mitigation; Vibration and Noise Analysis and Control ; Water Supply and Drainage; Hydrology, Water Resources Engineering, Soil and Water Conservation; Ecological Environment and Architectural Environment Protection; Forest Cultivation, Protection and Plant Protection; Geographic Information Science and Remote Sensing; Urban and Regional Planning, Land Resources Planning ; Mineral Prospecting and Exploration; Mining, Mineral Processing and Metallurgical Engineering; Oil and Gas Well Development Projects; Agricultural Products Processing and Biological Pharmaceutical; Low-carbon Logistics and Transportation Planning; Energy Saving, Environmental Protection, Low Carbon Ideas, and Sustainable; Environmental Protection and Economic Development; Global Climate Change and Carbon Emissions; Eco-Economy, Circular Economy, Low Carbon Economy; etc. This book provides new information/methods on possibilities of managing the energy crisis and protecting the environment sustainably in the growing economies to the broader public, especially students and researchers who are interested to involve in the research in this area.

We express our gratitude to the members of the International Scientific Committee for their significant support in organizing the Conference and for reviewing the papers of the participants. We are also grateful to the all invited reviewers as well as to the participants.

The editors

**The 4th International Conference on
Energy, Environment and Sustainable Development
(EESD 2014)**

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