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Special issue on the 15th International Conference on Environmental Science and Technology (CEST 2017) 31 August-2 September 2017, Rhodes, Greece

Preface

This special issue carries selected high quality and peer-reviewed papers presented at 15th International Conference on Environmental Science and Technology (CEST 2017), held from August 31th to September 2nd in Rhodes, Greece.

The International Conference on Environmental Science and Technology, one of the worldwide leading environmental conferences, is supported by the University of the Aegean (Greece), together with the University of Salerno (Italy) and the Imperial College London (UK). The main organizer is the Global Network on Environmental Science and Technology, an international scientific movement involved in all scientific and technological aspects of the environment. This biennial conference brings together engineers, scientists, researchers, students, managers and other professionals in order to exchange knowledge and expertise on emerging environmental issues.

The Special Issue includes 26 water and wastewater related papers which reflect recent update on this growing area of environmental research. This special issue has been dedicated to the following main themes: membrane technology, adsorption, biological treatment, oxidation processes and a general theme covering other relevant topics. The membrane technology theme covers research on membrane materials, removal of emerging contaminants, combination of membrane bioreactor technology with reverse osmosis and desalination treatment. The adsorption theme includes papers related to the application of different adsorbents for the removal of phosphate, cadmium, zinc and other heavy metals from wastewater and aqueous solution. The biological treatment theme consists of microalgae application for biomass production and nutrient removal and leachate treatment using a novel sustainable fixed bed based method. The oxidation processes theme mainly involves the application of Fenton, sono-Fenton and TiO_2 nanocomposites processes.

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Guest Editors

Dr. Laura Borea
Sanitary Environmental Engineering Division (SEED)
Department of Civil Engineering
University of Salerno, Italy
lborea@unisa.it

Professor Dr. Ioannis K. Kalavrouziotis
School of Science and Technology
Hellenic Open University
Greece
ikalavru@cc.uoi.gr, ikalabro@eap.gr,
ikalabro@yahoo.com