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Foreword

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Foreword

This special issue entitled “Integrated and Hybrid Treatment Processes for Pollutants Separation and Environmental Protection” is a collection of twenty peer-reviewed papers, originally presented at the *2nd European Conference on Environmental Applications of Advanced Oxidation Processes* (EAAOP-2). Following the success of the EAAOP-1 conference held in Chania, Greece in 2006, EAAOP-2, which was co-organized by the Technical University of Crete, Aristotle University of Thessaloniki, and the University of Cyprus, took place in Nicosia, Cyprus, 9–11 September, 2009. The event hosted about 180 oral and poster presentations, as well as four plenary lectures on all aspects of AOPs for water, wastewater, soil and air treatment, and remediation.

The emphasis of this special issue is on process coupling to enhance treatment performance, aiming towards the separation of pollutants from different polluted substrates. In this respect, the reader would come across several papers, dealing with the integration of AOPs (photochemical, electrochemical, catalytic) with biological (aerobic or

anaerobic) post-treatment methods for wastewater treatment and valorization, as well as the simultaneous application of various AOPs to increase the oxidative capacity of the treatment system and the use of solid surfaces, serving as adsorbents and oxidation catalysts. On the other hand, there are also some papers that discuss less “traditional” AOPs, such as radiolysis or sonolysis, and specific applications, such as soil/slurry remediation.

We wish to thank the Executive Editor of the Journal, Dr. Steven Cramer, as well as his editorial assistant Ms. Bonnie Cramer, for their invaluable assistance in preparing this special issue. We are also indebted to all the reviewers who helped make this issue an important reference material.

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