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Preface

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Preface

This special issue of *Separation Science and Technology* entitled “*Advanced Oxidation Processes for Environmental Remediation: Process Integration*” consists of 21 selected and original contributions, presented as oral or poster papers during the *1st European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP-1)* held in Chania (Crete, Greece) from 7 to 9 September 2006 and co-organized by the Technical University of Crete and the Aristotle University of Thessaloniki, Greece. The Conference, although “European,” brought together scientists, engineers, and other environmental professionals from 30 countries all over the world (including Europe, North and South America, Australia, and Asia) to present and discuss timely research, concerning the application of Advanced Oxidation Processes (AOPs) for water, wastewater, soil, and air treatment and remediation. Over 290 oral and poster presentations as well as five plenary lectures, presented by eminent researchers in this interesting scientific field, were scheduled in a hectic 3-day intensive program.

The focus of this special issue is on the use of AOPs alongside other technologies, such as membrane separation, coagulation-flocculation, activated carbon adsorption, and several others for water, wastewater treatment, and soil remediation. Process integration is conceptually advantageous as it can overcome the drawbacks associated with each individual treatment process, thus offering an improved and a cost-effective treatment performance. In this view, several combined treatment schemes are proposed and examined/applied, based on coupling AOPs to various physical, chemical, and biological technologies.

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 making this issue an important reference material.

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