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Nota di contenuto	About the Special Issue Editors -- Preface to "Wastewater Treatment and Reuse Technologies" -- Xianjun Du, Junlu Wang, Veeriah Jegatheesan and Guohua Shi / Dissolved Oxygen Control in Activated Sludge Process Using a Neural Network-Based Adaptive PID Algorithm, Reprinted from: Appl. Sci. 2018, 8, 261, doi: 10.3390/app8020261 -- Juanhong Li and Xiwu Lu / Effect of Seasonal Temperature on the Performance and on the Microbial Community of a Novel AWFR for Decentralized Domestic Wastewater Pretreatment, Reprinted from: Appl. Sci. 2017, 7, 605, doi: 10.3390/app7060605 -- Jae Wook Chung, Oghosa Charles Edewi, Jan Willem Foppen, Gabriel Gerner, Rolf Krebs and Piet Nicolaas Luc Lens / Removal of Escherichia coli by Intermittent Operation of Saturated Sand Columns Supplemented with Hydrochar Derived from Sewage Sludge, Reprinted from: Appl. Sci. 2017, 7, 839, doi: 10.3390/app7080839 -- Muhammad B. Asif, Faisal I. Hai, Jinguo Kang, Jason P. van de Merwe, Frederic D. L. Leusch, Kazuo Yamamoto, William E. Price and Long D. Nghiem / Degradation of Trace Organic Contaminants by a Membrane Distillation-Enzymatic Bioreactor, Reprinted from: Appl. Sci. 2017, 7, 879, doi: 10.3390/app7090879 -- Maria Teresa Moreira, Yolanda Moldes-Diz, Sara Feijoo, Gemma Eibes, Juan M. Lema and Gumersindo Feijoo / Formulation of Laccase Nanobiocatalysts Based on Ionic and Covalent Interactions for the Enhanced Oxidation of Phenolic Compounds, Reprinted from: Appl. Sci.

2017, 7, 851, doi: 10.3390/app7080851 -- Qun Xiang, Shuji Fukahori, Naoyuki Yamashita, Hiroaki Tanaka and Taku Fujiwara / Removal of Crotamiton from Reverse Osmosis Concentrate by a TiO₂/Zeolite Composite Sheet, Reprinted from: Appl. Sci. 2017, 7, 778, doi: 10.3390/app7080778 -- Andres Toro-Velez, Carlos Madera-Parra, Miguel Peña-Varon, Hector García-Hernandez, Wen Yee Lee, Shane Walker and Piet Lens / Longitudinal Removal of Bisphenol-A and Nonylphenols from Pretreated Domestic Wastewater by Tropical Horizontal Sub-Surface Constructed Wetlands, Reprinted from: Appl. Sci. 2017, 7, 834, doi: 10.3390/app7080834 -- Amanda L. Ciosek and Grace K. Luk / An Innovative Dual-Column System for Heavy Metallic Ion Sorption by Natural Zeolite, Reprinted from: Appl. Sci. 2017, 7, 795, doi: 10.3390/app7080795 -- Ahmed Elyahyaoui, Kawtar Ellouzi, Hamzeh Al Zabadi, Brahim Razzouki, Saidati Bouhlassa, Khalil Azzaoui, El Miloud Mejdoubi, Othman Hamed, Shehdeh Jodeh and Abdellatif Lamhamdi / Adsorption of Chromium (VI) on Calcium Phosphate: Mechanisms and Stability Constants of Surface Complexes, Reprinted from: Appl. Sci. 2017, 7, 222, doi: 10.3390/app7030222 -- Lin Li, Jingwei Hou, Yun Ye, Jaleh Mansouri, Yatao Zhang and Vicki Chen / Suppressing Salt Transport through Composite Pervaporation Membranes for Brine Desalination, Reprinted from: Appl. Sci. 2017, 7, 856, doi: 10.3390/app7080856 -- Lies Eykens, Klaus Rose, Marjorie Dubreuil, Kristien De Sitter, Chris Dotremont, Luc Pinoy and Bart Van der Bruggen / Functionalization of a Hydrophilic Commercial Membrane Using Inorganic-Organic Polymers Coatings for Membrane Distillation, Reprinted from: Appl. Sci. 2017, 7, 637, doi: 10.3390/app7060637 -- Ebrahim Akhondi, Farhad Zamani, Keng Han Tng, Gregory Leslie, William B. Krantz, Anthony G. Fane and Jia Wei Chew / The Performance and Fouling Control of Submerged Hollow Fiber (HF) Systems: A Review, Reprinted from: Appl. Sci. 2017, 7, 765, doi: 10.3390/app7080765.

Sommario/riassunto

This edited volume is a collection of 12 publications from esteemed research groups around the globe. The articles belong to the following broad categories: biological treatment process parameters, sludge management and disinfection, removal of trace organic contaminants, removal of heavy metals, and synthesis and fouling control of membranes for wastewater treatment.
