Wu Yang

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Academic Qualification

Ph.D. in Environmental Science, Sun Yat-sen University, China

MSc in Environmental Engineering, University of the Chinese Academy of Sciences, China

BSc in Environmental Engineering, Beijing Institute of Technology, China

Research & Teaching Area

Environmental chemical; Water Treatment; Environmental Risk assessment.

Working Experience

- Assistant Professor, Macau University of Science and Technology (MUST) (Sep 2020 -);
- Engineer, CINF Engineering Corporation Limited (Sep 2015 – Aug 2016)

Academic Publications (selected)

Journal Papers

(1) **Wu Yang**, Wang Yu, Pao Tao, Yang Xin*. Oxidation of Tetrabromobisphenol A (TBBPA) by Peroxymonosulfate: the Role of In-situ Formed HOBr. [J]. Water Research, 2020, 169: 115202

(2) Wang Yu, Pan Tao, Yu Yafei, **Wu Yang**, Pan Yanheng, Yang Xin*. A novel peroxymonosulfate (PMS)-enhanced iron coagulation process for simultaneous removal of trace organic pollutants in water. Water Res 2020, 185, 116136.

(3) Wang Yu, **Wu Yang**, Yu Yafei, Pan Tao, Li Dantong, Dimitra Lambropoulou, Yang Xin*. Natural polyphenols enhanced the Cu(II)/peroxymonosulfate (PMS) oxidation: The contribution of Cu(III) and HO(*). Water Res 2020, 186, 116326.

(4) **Wu Yang**, Wang Yu, Lin Zhiqiang, Wang Yingying, Li Yao, Liu Shengwei, Gui Xuchun*, Yang Xin*. Three-dimensional α-Fe2O3/amino-functionalization carbon nanotube sponge for adsorption and oxidative removal of tetrabromobisphenol A. [J]. Separation and Purification Technology, 2019, 211: 359-367.

(5) **Wu Yang**, Wang Yu, Qiu Rongliang, Yang Xin*, Reductive Debromination and Advanced Oxidation of Polybrominated Diphenyl Ethers(PBDEs) Using Zero-Valent Iron(ZVI) Based Materials, Progress in Chemistry, 2018, 30: 420-428.

(6) **Wu Yang**, Zhou Xiaoyong, Lei Mei*, Yang Jun, Ma Jie, Chen Tong-bin. Migration and transformation of arsenic: Contamination control and remediation in realgar mining areas. [J]Applied Geochemistry, 2017, 77: 44-51

(7) Ma Jie, Guo Huaming*, Lei Mei, Zhou Xiaoyong, Li Fulan, Yu Tian, Wei Rongfei, Zhang Hanzhi, Zhang, Xi, **Wu Yang**. Arsenic Adsorption and its Fractions on Aquifer Sediment: Effect of pH, Arsenic Species, and Iron/Manganese Minerals.[J]Water Air And Soil Pollution, 2015, 226: 260-275

(8) **Yang Wu**, Jun Yang, Xiaoyong Zhou*, Mei Lei, Ding Gao, Pengwei Qiao, Guodong Du. Assessment of Heavy Metal Contamination in Farmland Soil in Du'an Autonomous County of Guangxi Zhuang Autonomous Region, China [J]. Environmental Science, 2015, 36: 229-236. (in Chinese)

(9) **Yang Wu**, Jun Yang, Xiaoyong Zhou*, Mei Lei, Ting Xu, Bo Song, Pengwei Qiao, Pan Pan. Heavy Metal Accumulation Characteristics and Risk Assessment of Corn in Du'an Autonomous County [J]. Journal of Agro-Environment Science, 2015, 34(11): 2048-2054. (in Chinese)