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EDUCATION:

- B. Sc. South China University Of Technology 2007-2011
- M.S. Guangzhou Institute of Geochemistry, Chinese Academy of Sciences 2011-2013
- Ph.D. Guangzhou Institute of Geochemistry, Chinese Academy of Sciences 2013-2017

ACADEMIC POSITIONS:

2018-present Research Assistant, GDIM

AREAS OF RESEARCH INTEREST:

- Transportation and Transformation of Organic Pollutants
- Coupling of Organic Matter and Pollutants
- Microbial-driven Geochemical Cycle

Research Grants:

- Study on enhanced microbial remediation of combined pollution of heavy metal-PBDEs/PAHs in Electronic waste disassembly area, 2018.1-2019.12
- Redistribution Mechanism of hydrophobic Organic pollutants in sediments driven by Cable bacteria. 2020.1-2022.12
- Effect of cable bacteria on ecological risk of hydrophobic organic pollutants in surface sediments. 2020-2022
- Driving mechanisms of microbial power network for distant nitrogen and sulfur cycles in river heterogenous sediments, 2019.1-2022.12

Honors & Awards

Representative publications

- Youda Huang; Dainan Zhang; Dandan Duan; Yu Yang; Yongqiang Xiong; Yong Ran*, Importance of the structure and nanoporosity of organic matter on the desorption kinetics of benzo[a]pyrene in sediments, *Environmental Pollution*, 2017, 225: 628~636
- Youda Huang; Dainan Zhang; Yu Yang; Xiangying Zeng; Yong Ran*, Distribution and partitioning of polybrominated diphenyl ethers in sediments from the Pearl River Delta and Guiyu, South China, *Environmental Pollution*, 2018, 235: 104~112
- Dandan Duan; Youda Huang; Hefa Cheng; Yong Ran*, Relationship of polycyclic aromatic hydrocarbons with algae - derived organic matter in sediment cores from a subtropical region, *Journal of Geophysical Research*, 2015, 120(11) : 2243~2255
- Jian Gong; Youda Huang; Wen Huang; Yong Ran*; Diyun Chen, Multiphase partitioning and risk assessment of endocrine-disrupting chemicals in the Pearl River, China, *Environmental Toxicology and Chemistry*, 2016, 35(10) : 2474~2482
- Dainan Zhang; Dandan Duan; Youda Huang; Yu Yang; Yong Ran*, Novel Phenanthrene Sorption Mechanism by Two Pollens and Their Fractions. *Environmental Science & Technology*, 2019, 50(14) : 7305~7314