



Department: School of Resources and Environmental Engineering
Professional field: Soil and groundwater remediation in contaminated sites; Health risk assessment and environmental benchmarks for hazardous chemicals.
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Profile

Lin Kuangfei, Professor, PhD Supervisor of East China University of Science and Technology, is expert in Agricultural Ecology and Environmental Monitoring System of the Three Gorges Project Construction Committee of the State Council, the Ministry of Agriculture on Major Projects of Soil Heavy Metal Pollution Prevention and Control of Agricultural Produce, and director of China Agricultural Environmental Protection Association. He is committed in the investigation, risk assessment and remediation of contaminated sites. He has completed two projects of the National Natural Science Foundation of China, one 863 project for the restoration of high-dangerous organic pollutants in contaminated sites, and three environmental protection public welfare projects, five contaminated site restoration projects. As the leader of the expert group, he has presided over more than 60 contaminated site investigations and restoration project evaluations. He has published more than 110 SCI papers, and has been authorized 12 invention patents for soil organic pollutants remediation technology, and won the first prize of Technical Invention of the China Petroleum and Chemical Industry Federation in 2014, and second prize of Shanghai Technical Invention in 2014.

Research Field

Health risk assessment, remediation technology and equipment development in contaminated soil and groundwater;
Environmental investigation, reducing countermeasures and regulatory measures for novel persistent organic pollutions;
Ecological risk assessment, molecular mechanism and benchmark for environmental pollutants.

Research results and selected published papers

研究成果:

2014 年度中国石油和化学工业联合会技术发明一等奖

2014 年度上海市技术发明二等奖

代表性论文:

1. Can Li, Qiang Lu, Cong Zhan, Muhammad Tariq, Kai Huang, Fuwen Liu, Fei Zhu, Guan hong Liu, Changzheng Cui, Kuangfei Lin, Efficient novel amphiphilic double shells layer coupled with nanoscale zero-valent composite for the degradation of trichloroethylene, Science of the Total Environment, 659 (2019) 821–827
2. Fuwen Liu, Waqas Qamar Zaman, Hongjiang Peng, Chao Li, Xue Cao, Kai Huang, Changzheng Cui, Wei Zhang, Kuangfei Lin, Qishi Luo, Ecotoxicity of Caenorhabditis elegans following a step and repeated chronic exposure to tetrabromobisphenol A, Ecotoxicology and Environmental Safety 169 (2019) 273–281
3. Dong Zhou, Jie Yang, Hui Li, Qiang Lu, Yongdi Liu, Kuangfei Lin, Ecotoxicity of bisphenol A to Caenorhabditis elegans by multigenerational exposure and variations of stress response in vivo across generations. Environmental Pollution (2016) 208, 767-773.
4. Kai Huang, Kuangfei Lin, Jie Guo, Xiaoyu Zhou, Junxia Wang, Jianhua Zhao, Peng Zhou, Feng Xu, Lili Liu, Wei Zhang, Polybrominated diphenyl ethers in birds from Chongming Island, Yangtze estuary, China: insight into migratory behavior. Chemosphere (2013) 91, 1416-1425.
5. Xiaoyu Zhou, Jie Guo, Wei Zhang, Peng Zhou, Jingjing Deng, Kuangfei Lin, Tetrabromobisphenol A contamination and emission in printed circuit board production and implications for human exposure. Journal of Hazardous Materials (2014) 273, 27-35.
6. Xiaoxu Fu, Junxia Wang, Xiaoyu Zhou, Jingjing Deng, Yangcheng Liu, Wei Zhang, Lili Liu, Liang Dong, Kuangfei Lin, Tree bark as a passive air sampler to indicate atmospheric polybrominated diphenyl ethers (PBDEs) in southeastern China. Environmental science and pollution research (2014) 21, 7668-7677.