

Associate Professor ZHU Tengyi

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| College | College of Environmental Science & Engineering |
| Current Position | Associate Professor |
| Types of Tutor | Master Tutor |
| Language | Chinese/English |
| Education | Ph.D, Environmental Engineering, Southeast University, China. 2010.9- 2015.3 |
| Research Interests | Environmental Engineering / Water Engineering / Passive Sampling Techniques |
| Selected Publications | <p>Publications:</p> <p>[1] Zhu Tengyi, Chen Wenxuan, Yan Bipeng. Predicting low density polyethylene-water partition coefficients based on pp-LFER and QSPR models using molecular descriptors, Fluid Phase Equilib. 2020, 506, 112374.</p> <p>[2] Zhu Tengyi, Chen Wenxuan, Cheng, Haomiao. Prediction of polydimethylsiloxane-water partition coefficients based on the pp-LFER and QSAR models. Ecotoxicology and Environmental Safety, 2019, 182, 109374.</p> <p>[3] Zhu Tengyi, Wu Jing, He Chengda. Development and evaluation of MTLSE and QSAR models for predicting polyethylene-water partition coefficients. Journal of Environmental Management, 2018, 223:600-606.</p> <p>[4] Zhu Tengyi, Bin Xu, Wu Jun. Experimental and mathematical simulation study on the effect of granule particle size distribution on partial nitrification in aerobic granular reactor. Biochemical Engineering Journal, 2018,134,</p> |

22-29.

[5] **Zhu Tengyi**, Li Mao, Wu Jing. Predicting low density polyethylene-air partition coefficients using theoretical linear solvation energy relationships. *Journal of Water Supply: Research and Technology-Aqua*, 2018, 67:715-723.

[6] **Zhu Tengyi**, Jafvert Chad, Fu Dafang, Hu Yue. A novel method for measuring polymer–water partition coefficients [J]. *Chemosphere*, 2015, 138: 973-979.

[7] **Zhu Tengyi**, Fu Dafang, Jenkinson Byron, Jafvert Chad. Calibration and application of an automated seepage meter for monitoring water flow across the sediment-water interface [J]. *Environmental Monitoring and Assessment*, 2015, 187(4): 1-11.

[8] **Zhu Tengyi**, Fu Dafang, Jafvert Chad, Singh Rajendra Prasad. Modeling of gas generation from the river adjacent to the manufactured gas plant [J]. *RSC Advances*, 2015, 5(13): 9565-9573.

[9] **Zhu Tengyi**, Fu Dafang, Yang Fang. Effect of saponin on the phytoextraction of Pb, Cd and Zn from soil using Italian Ryegrass. *Bulletin of Environmental Contamination and Toxicology*, 2015, 94(1): 129-133.

[10] **Zhu Tengyi**, Singh Rajendra Prasad, Fu Dafang. Analysis of heat pulse signals determination for sediment-water interface fluxes. *Journal of Southeast University (English Edition)*, 2014, 30(2): 192-196.

Chinese Patents:

Zhu Tengyi, Li Mao, He Chengda, Wu Jing, Wu Jun. Regeneration device for activated carbon for

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| | adsorbing organic waste gas and method thereof. Publication No CN107398260A (Examined) |
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