

PERSONAL:

Name: **Yaqi Tao**
Department: Department of Chemistry, College of Sciences
Gender: Female
Degree: Ph.D
Major: Soil Chemistry
Graduated University: Institute of soil science,
Chinese Academy of Sciences
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RESEARCH INTERESTS:

Migration and control of soil pollutants

PROFESSIONAL EXPERIENCE:

2009-present Associate professor, College of Sciences, Nanjing Agricultural University
2005-2008 Lecturer, College of Sciences, Nanjing Agricultural University
2003-2004 Teaching assistant, College of Sciences, Nanjing Agricultural University

HONORS AND AWARDS:

2017 the second award of teaching achievement prize ,Nanjing Agricultural University
2017 “2015-2017” prominent teacher of Nanjing Agricultural University
2012 Outstanding Member of the fourth scientific alcalde group of Jiangsu province

TEACHING:

- 《Physical chemistry》
- 《Physical chemistry Experiment》
- 《Experiment I 》
- Principal of curriculum group :Practical teaching
- Online course: Physical chemistry

RESEARCH PROJECTS:

1. Nitrate Amendment and Anaerobic Degradation of Polycyclic Aromatic Hydrocarbons Contaminated Soil by Successive Methyl- β -Cyclodextrin and the response of the indigenous microbial community. (National Natural Science Foundation, 41401347,2015.01~2018.12, in process);
2. Magnetic solid phase extraction for trace element and their speciation analysis. (supported by the National Science Foundation for Young Scientists of China, BK20140677, 2014.7~2017.7, done.)

PUBLICATIONS:

1. **Tao yaqi**, Xu jiangyan. Problem-Solving Strategy Applied in Physical Chemistry Teaching in Agricultural Universities. Univ. Chem. 2017, 32 (2), 38 – 41
2. **Tao Yaqi**, Witnessing the quasiperiodic-ordering transition of one-dimensional k-component Fibonacci sequences[J], Physica A ,2017,473 : 40-44

3. **Ya-qi Tao**, Xin Jiang*, Yong-rong Bian, Xing-lun Yang, and Fang Wang. Transport of Malathion in Homogeneous Soil Liquid Chromatographic Columns: Influence of Nonequilibrium Sorption. *Vadose zone journal*, 2009, 8(1):42-51
4. **Tao Yaqi**, Jiang Xin*, Bian Yongrong, Yang Xinglun, Wang Fang. Numerical Simulation of Solute Transport in Two Dimensional Virtual Soil. *Acta Pedologica Sinica*. 2009, 146(16):991-997
5. **TAO Yaqi**, JIANG Xin*, BIAN Yongrong, YANG Xinglun, WANG Fang. Simulating Methidathion Transport in Soil Chromatographic Column. *Environmental Science*. 2008, Vol. 29, No. 9:2599-2605
6. W. Liu, Y.F. Liu, **Y. Q. Tao**, Y. J. Yu, H. M. Jiang*, H. Z. Lian, Comparative study of adsorption of Pb(II) on native garlic peel and mercerized garlic peel, *Environ. Sci. Pollut. Res.*, 2014, 21:2054