Resume

Basic Information:

Name	Changxun Dong	**Gender**	Female
Department	Chemistry	**Title**	Professor
Professial	Environmental chemistry	**Degree**	Doctor
Education	Doctoral candidate	**Graduate Institutions**	Nanjing Agricultural University
Telephone	025-84936697	**E-mail**	dongcx@njau.edu.cn
Research Direction	Environmental pollutant control and restoration		

Individual Resume:

Changxun Dong, female, born in 1966, doctor of soil science, is now a professor of chemistry at the College of Science, Nanjing Agricultural University. In 2012, she was a visiting scholar at the Japan Institute of Agricultural Environmental Technology, and was engaged in research and application of heavy metal contaminated paddy field restoration and wastewater treatment technology. From 2003 to 2007, she received a doctorate in soil science from Professor Genxing Pan of Nanjing Agricultural University. Engaged in soil heavy metal holding and migration research. Since 2000, she has been engaged in the research and control of soil organic pollutants and heavy metal control and restoration, and published more than 20 papers. Hosted scientific research projects such as Jiangsu Science and Technology Support Project (BE2013711). In this project, she is responsible for the overall management and implementation of the project, and is mainly responsible for the research on soil leaching and repair.

Teaching Information:

Physical chemistry, Chemistry experiment

Research Project:

1. Research and application of combined leaching and plant extraction combined remediation technology for heavy metal in heavily polluted farmland soils Jiangsu Science and Technology Support Project (No. BE2013711. 2013.09-2016.07 Presenter)

2. Research and application of heavy metal moderately polluted farmland soil

leaching and leaching wastewater purification treatment Jiangsu Science and Technology Forward-looking Project (No.: BE2013711. 2016.09-2017.07 Host)

3. Study on the oxidation mechanism of Cr(III) by manganese dioxide in soil. Nanjing Agricultural University Youth Fund Project (2006.6-2007.5 host)

4. Mechanism of zinc-activated sodium persulfate degradation of organic pollutants and its effects (National Nature Fund project number: 21377056, 2014.01-2015.12, second participant)

5. Research on the mechanism of interface redox reaction controlling Cr(VI) migration and fate in soil. National Natural Science Foundation of China, (National Natural Science Foundation Project No.: 40671089, 2007, 1-2009, 12, second participant)

6. Construction of macrocyclic polyamine-polyacids host-guest self-assembly system and catalytic performance (National Natural Science Foundation project, 21371098, 2014.01-2015.12, ongoing research, fourth participant)

Patent Filing:

1. A heavy metal contaminated soil ectopic leaching equipment acceptance number: ZL 2013 2 0592906.8 (inventor)

2. A method for compound chemical leaching to repair heavy metal contaminated soil. Acceptance number: 201210515941X (inventor, substantive examination)

3. Chemical eluent acceptance number for repairing heavy metal contaminated soil: 201340813451X (inventor, substantive examination)

Article Publishing:

1. Haibo Xu，Daoyuan Zhao，Yujiao Li，Peiya Liu，Changxun Dong*,Enhanced degradation of Ortho-nitrochlorobenzene by the combined system of zero-valent iron reduction and persulfate oxidation in soils，Environmental Science and Pollution Research Environmental Science and Pollution Research 21(7):5132-5140

2. LIU Pei-Ya, WEN Qin-Liang, LI Yu-Jiao, DONG Chang-Xun*, PAN Gen-Xing.Kinetics of Specific and Non-Specific Copper Sorption on Aggregates of an Acidic Paddy Soil from the Taihu Lake Region in East China. Pedosphere, 2015, 25(1):37-45.

3. Yu-jiao Li, Peng-jie Hu, Jie Zhao, Chang-xun Dong*. Remediation of cadmium- and lead-contaminated agricultural soil by composite washing with chlorides and citric acid. Environ Sci Pollut Res.

4. Peiya Liu, Yujiao Li, Qinliang Wen, Changxun Dong*, Genxing Pan. Mechanism and Kinetics of Aluminum Dissolution during Copper Sorption by Acidity Paddy

Soil in South China. Journal of Environmental Sciences

5. Yuefei Ji, Changxun Dong, Deyang Kong, Junhe Lu*. New insights into atrazine degradation by cobalt catalyzed peroxymonosulfate oxidation: Kinetics, reaction products and transformation mechanisms. Journal of Hazardous Materials, 2015, 285: 491-500.

6. Yuefei Ji, Changxun Dong, Deyang Kong, Junhe Lu *, Quansuo Zhou. Heat-activated persulfate oxidation of atrazine: Implications for remediation of groundwater contaminated by herbicides. Chemical Engineering Journal, 2015, 263: 45-54.

7. Pengjie Hu, Bingfan Yang, Changxun Dong, Like Chen, Xueying Cao, Jie Zhao, Longhua Wu*, Yongming Luo, Peter Christie. Assessment of EDTA heap leaching of an agricultural soil highly contaminated with heavy metals. Chemosphere, 2014, 117:532-53.

8. Peiya Liu, Yujiao Li, Pengjie Hu, Changxun Dong *, Composite eluent soil column leaching method for repairing Cd and Pb contaminated soil. Environmental Engineering, 2015,33(1): 163 - 167.

9. Qinliang Wen, Qiannan Guo, Yuan Zhu, Changxun Dong *, Adsorption and desorption characteristics of phosphorus in southern acid soil aggregates and its effect on pH. Journal of Natural Science of Heilongjiang University, 2014, 31(6): 800 - 805.

10. Yuzhen Li, Ya Wen, Pengjie Hu, Changxun Dong *. Study on the combined extraction of organic acids and FeCl3 to repair Cd and Pb contaminated farmland. Journal of Agro-Environment Science, 2014, 33(12): 2335 - 2342.

11. Qinliang Wen, Hanwen Zhang, Haibo Xu, Changxun Dong *. Study on the degradation of p-nitrochlorobenzene in soil by zero-valent iron reduction-persulfate oxidation. Journal of Nanjing Agricultural University, 2014, 37(6): 111-118.

12. Haibo Xu, Daoyuan Zhao, Qinchao Yuan Yuzhen, Li, Changxun Dong *. Dissolution of aluminum and pH change of soil solution during adsorption of Cu^{2+} in agglomerates of rice soil. Environmental Science, 2014, 35(1): 243-248.

13. Haibo Xu, Daoyuan Zhao, Peiya Liu, Yujiao Li, Changxun Dong *.Effects of phosphate on the adsorption of different types of heavy metal cadmium and chromium (VI) in rice soil aggregates. Chinese Journal of Eco-Environment 2013,22(5): 857-862

14. Changxun Dong, Runan Dai, Jianjun Xiong.The oxidation kinetics of Cr(III) by δ-MnO_2. Environmental Science 2010, 31(5):1398-1401

15. Haiqing Ma, Changxun Dong *, Mengchi Wang. Desorption Kinetics of Cu^{2+} in Rice Soil Aggregates. Environmental Chemistry 2010, 29(2): 196-199

16. Changxun Dong, Li Lianqing, Fang Wang, Genxing Pan *. Adsorption and

Desorption of pH in Paddy Soil and pH Change. Journal of Agro-Environment Science, 2007, 26(2): 521-525

17. Changxun Dong, Genxing Pan*, Yeqing Lan. Effect of pH and Adsorption Ions on the Oxidation of Cr(III) by δ-MnO_2 in Water Phase. Ecological Environment, 2006, 15(1): 27-31

18. Changxun Dong, Genxing Pan*. Effect of Phosphorus Adsorption on Desorption and Desorption of Cu^{2+} by Paddy Soil Microaggregates. Journal of Nanjing Agricultural University.2006, 29(4):75-79