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Title: **Associate Professor**

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Education:

PhD: **Chinese Academy of Sciences**

MS: **Shenyang Agricultural University** BS: **Shenyang Agricultural University**

General Areas of Expertise:

Sewage sludge and livestock manure compost, heavy metals contaminated soil remediation

Short Bio:

2011.12~now Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Associate professor
2008.7~2011.12 Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, Assistant professor
2005.6~2008.6 Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Postdoctor

Five Representative Publications:

Zheng G* , Chen T , Gao D , Liu H , Yang J , Xu R , Yang S. Pollution risk of heavy metals to crops after sewage sludge land application. *China Water and Waste Water*, 2012, 28 (15):98-101
Niu M, Zheng G*, Zhu Y, Zhao X, Gao D, Chen T. Dynamic of organic matter fractions during sewage sludge and bulking agent composting. *Plant Nutrition and Fertilizer*, 2016, 22:1016-1023
G-D Zheng, D Gao, T-B Chen, W Luo. Stabilization of nickel and chromium in sewage sludge during aerobic composting. *Journal of Hazardous Materials*, 2007, 142:216-221
Y Zhu, G Zheng*, D Gao, T Chen, F Wu, M, Niu, K Zou. Odor composition analysis and odor indicator selection during sewage sludge composting. *Journal of the Air & Waste Management Association*, 2016, 66:930-940
G Zheng*, T Chen, J Yu, D Gao, Y Shen, M Niu, H Liu. Impact of composting strategies on the degradation of nonylphenol in sewage sludge. *Ecotoxicology*, 2015, 24:2081-2087

FEWSTERN Symposium 2017 Presentation Title and Abstract:

Title
Pollution risk of heavy metals and organic pollutants to soils and crops after sewage sludge land application
Abstract
The number and total capacity of municipal wastewater treatment plants in China have increased very rapidly in the past 20 years, and more than 35,000,000 t of sewage sludge (with a water content of 80 %) was produced in 2016. Applying sewage sludge to land after treatment (initially treated by composting) has been seen as a practical way of disposing of the sewage sludge produced in China, and it has until now been the preferred disposal method . However, environmental awareness is increasing, and this has led to a great deal of attention being paid to the risks involved in reusing sewage sludge, especially the risks posed by heavy metals and organic pollutants in the sewage sludge.