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Title: **Professor**

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Education:

PhD: Environmental Science, Nanjing University, 2006 MS: BS: Biology, Anhui Normal University, 2001

General Areas of Expertise:

Environmental Microbiology; Environmental Toxicology； Biological Wastewater treatment

Short Bio:

Dr. Xuxiang Zhang obtained his B.S. from Anhui Normal University in 2001 and Ph.D. degree from Nanjing University in 2006, and then joined the State Key Laboratory of Pollution Control and Resource Reuse and School of the Environment at Nanjing University as an assistant professor. He currently serves as a professor of environmental science and the deputy director of the state key laboratory. His general research interests are in the areas of environmental microbiology, environmental toxicology and water/wastewater treatment technologies. In particular, his current research focuses on assessment and control of ecological and health risk arising from chemical and biological contamination in water environments. Until now, he has got 112 peer-reviewed papers published in international journals and eight China patents authorized.

Five Representative Publications:

Jia S., Zhang X.X., Miao Y., Zhao Y., Ye L., Li B., Zhang T. (2017) Fate of antibiotic resistance genes and their associations with bacterial community in livestock breeding wastewater and its receiving river water. Water Research, 2017, 124: 259-268.
Yu H, Wu B, Zhang X-X, Liu S, Yu J, Cheng S, Ren H-q, Ye L (2016) Arsenic metabolism and toxicity influenced by ferric iron in simulated gastrointestinal tract and the roles of gut microbiota. Environ Sci Technol 50(13):7189-7197
Hu Q., Zhang X.X., Jia S.Y., Huang K.L., Tang J.Y., Shi P., Ye L., Ren H.Q. (2016) Metagenomic insights into ultraviolet disinfection effects on antibiotic resistome in biologically treated wastewater. Water Research, 101:309-317.
Kan H.F., Zhao F.Z., Zhang X.X., Ren H., Gao S. (2015) Correlations of gut microbial community shift with hepatic damage and growth inhibition of Carassius auratus induced by pentachlorophenol exposure. Environmental Science & Technology, 49:11894-11902.
Jia S., Shi P., Hu Q., Li B., Zhang T., Zhang X.X. (2015) Bacterial community shift drives antibiotic resistance promotion during drinking water chlorination. Environmental Science & Technology, 49:12271-12279.

FEWSTERN Symposium 2017 Presentation Title and Abstract: