Resume

Name: Shengrui Wang

Academic Title: Professor

Education: Ph.D

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Education

1999-2002: Ph.D., College of Resources and Environmental Sciences, China Agricultural University

1992-1999: B.S. and M.S, College of Ecology and Environmental Sciences, Inner Mongolia Agricultural University

Research Experience:

Dr. Wang is interested in the study of the research of environmental biogeochemistry, biochemistry and environmental chemistry about lake, aiming at the problems of lake pollution, mainly from the biogeochemical view, in order to describe patterns of pollution and reveal the lake eutrophic mechanisms underlying the stress processes. For several years, he has paid much attention on the problems closely related to eutrophication, including the behavior of phosphorus and nitrogen, especially at the sediment-water interface in lake ecosystem. He has been working as principal investigator for more than ten projects, including some supported by the National key Science and Technology Program, 863 and 973 Program etc.

He has published more than 50 papers.

Research Directions：

Main researching areas: Environmental Biochemistry and lake eutrophication

Major areas of researches

1. Process of Lake Eutrophication-the mechanism of transformation process of phosphorus, nitrogen and carbon at the interface of water-sediment

2. Integrated treatment technology for water body eutrophication

3. Eco-engineering on wastewater treatment.

Awards & Honors

Director of Chinese Society of Environment

First Award of Science and technology of National Environment Protection

Recent Publications：

1. Shengrui Wang，Xiangcan Jin，Yan Pang，Xaichao Zhao，Hiaoning Zhou. The study on the Effect of pH on Phosphate Sorption by Different Trophic Lake Sediments. Journal of colloid and interface science, 2005,285：448-457.
2. Shengrui Wang，Xiangcan Jin， Yan Pang， Haichao Zhao，Xiaoning Zhou，Fengchang Wu. Phosphorus fractions and phosphate sorption characteristics in relation to the sediment compositions of the shallow lakes in the middle and lower reaches of Yangtze River. Journal of colloid and interface science. 2005, 289,339-346.
3. Shengrui Wang. Amount and Forms of Phosphate in the Sediments of Lake Taihu and the Effect of pH on Phosphorus Release. The 4th Workshop on Freshwater (Lakes) Pollution Prevention, Oct 12^{th} -15^{th} , 2004, Japan.
4. Xiangcan Jin, Shengrui Wang, Yan Pang, Haichao Zhao, Xiaoning Zhou. The adsorption of phosphate on different trophic lake sediments. Colloid and Surfaces A: Physicochemical and Engineering Aspect,2005, 254: 241-248.
5. YAN Chang-zhou, **WANG Sheng-rui**,ZENG A-yan,JIN Xiang-can. Equilibrium and kinetics of copper (II) biosorption by *Myriophyllum spicatum L*. Journal of Environmental Sciences. 2005，17(6):1025-1029.
6. Shengrui Wang, Xiangcan Jin, Haichao Zhao, Fengchang Wu. Phosphorus fractions and its release in the sediments from the shallow lakes in the middle and lower reaches of Yangtze River area in China. Colloids and Surfaces A: Physicochemical and Engineering Aspects. 2006,273:109-116.
7. Shengrui Wang, Xiangcan Jin, Qingyun Bu, Xiaoning Zhou, Fengchang Wu. The effects of particle size, organic matter content and ionic strength in solution on the phosphate sorption by different trophic lake sediments. Journal of Hazardous materials. 2006,128:95-105.
8. Xiangcan Jin, Shengrui Wang, Yan Pang, Fengchang Wu. Phosphorus fractions and the effect of pH on the phosphorus release of the sediments from different trophic areas in the Taihu Lake, China. Environmental Pollution. 2006，139: 288-295.
9. Xiang Can Jin， Sheng Rui Wang, Hai Chao Zhao, Qing Yun Bu, Jian Zhou Chu, Ze Cui, Xiao Ning Zhou1 and Feng Chang Wu， Effect of lake sediments of

different trophic states on alkaline phosphatase activity，Lakes & Reservoirs: Research and Management 2006 11: 169–176(EI).

10. Xiangcan Jin, Shengrui Wang, Qingyun Bu, Fengchang Wu. Laboratory experiments on phosphorous release from the sediments of 9 lakes in the middle and lower reaches of Yangtze River region, China. Water, Air, & Soil Pollution, 2006, 176（1-4）：233- 251.
11. Shengrui Wang, Xiangcan Jin, Haichao Zhao, Xiaoning Zhou, Fengchang Wu. Effect of organic matter on sorption of dissolved organic and inorganic phosphorus in lake sediment. Colloid and surtifaces A: Physicochemical and Engineering Aspect. 297 (2007) 154–162.
12. Shengrui Wang, Xiangcan Jin, Haichao Zhao, Xiaoning Zhou, Fengchang Wu. Effects of submerged macrophyte Hydrilla verticillata on phosphorus retention and release in sediment. Water Soil and Air pollution, 2007, 181:329-339.
13. Shengrui Wang, Xiangcan Jin1, Lixin Jiao, Fengchang Wu. Nitrogen fractions and release in the sediments from the shallow lakes in the middle and lower reaches of the Yangtze River area in China. Water Soil and Air pollution, 2007, 187(1): 5-14.
14. Shengrui Wang,Xiangcan, Qinyun Bu, Lixin Jiao, Fengchang Wu. Effects of oxygen supply levels on phosphorus release from lake sediment. Colloid and surtifaces A: Physicochemical and Engineering Aspect.2008，316: 245–252.
15. Shengrui wang, xiangcan Jin，Qingyun Bu, Xiaoning Zhou, Fengchang Wu. Phosphate sorption characteristics of a submerged macrophyte *Hydrilla verticillata*. Aquatic Botany. 2008, 89，23-26.
16. Shengrui wang, xiangcan Jin，Xiaoning Zhou, Fengchang Wu. Effects of organic matter on phosphorus release kinetics in different trophic lake sediments and application of transition state theory. Journal of Environmental Management. 88 (2008), 845-852.
17. JIN Xiang-can, WANG Sheng-rui, CHU Jian-zhou, WU Feng-chang. The contents and distributions of organic P fractions in sediments of the shallow lakes in the middle and lower reach of the Yangtze River area in Chin. PEDOSPHERE. 2008，18(3):394-400.
18. Juan Wang, Shengrui Wang, Xiangcan Jin, Shuquan Zhu, Fengchang Wu. Ammonium release characteristics of the sediments from the shallow lakes in the middle and lower reaches of Yangtze River region, China. Environmental

Geology. 2008,25(1):37-45.

19. Shengrui Wang, Xiangcan Jin, Lixin Jiao, Fengchang Wu. Nitrogen Fractions and Release in the Sediments from the Shallow Lakes in the Middle and Lower Reaches of the Yangtze River Area, China. Water Air Soil Pollut. (2008) 187:5–14.
20. Xiangcan Jin, Shengrui Wang, Haichao Zhao, Xiaoning Zhou, Fengchang Wu. Effect of organic matter on the DOM sorption on lake sediments. Environmental Geology. (2008) 56:391–398
21. ShengruiWang, Xiangcan Jin, Haichao Zhaoa, FengchangWu. Phosphorus release characteristics of different trophic lake sediments under simulative disturbing conditions. Journal of Hazardous Materials 161 (2009) 1551–1559.
22. ShengruiWang, Xiangcan Jin, Lixin Jiao, Fengchang Wu.Response in root morphology and nutrient contents of *Myriophyllum spicatum* to sediment type. Ecological Engineering 35 (2009) 1264–1270.
23. Wang Shengrui, Jin Xiangcan, Niu Dalin, Wu Fengchang. Potentially Mineralizable Nitrogen in Sediments of the Shallow Lakes in the Middle and Lower Reaches of the Yangtze River Area in China. Applied Geochemistry, 2009, 24(9): 1788-1792.
24. Shengrui Wang, Xiangcan Jin, Qingyun Bu, Haiqing Liao, Fengchang Wu. Evaluation of phosphorus bioavailability in sediments of the shallow lakes in the middle and lower reaches of the Yangtze River region, China. Environ Earth Sci. 2010, 60:1491–1498.
25. Chunxia Yang, **Shengrui Wang***, Xiangcan Jin, Fengchang Wu. Nitrogen and phosphorus mineralization in sediments of Taihu Lake after the removal of light fraction organic matter. Environ Earth Sci (2010) 59:1437–1446
26. Shengrui Wang, Suwen Yang, Xiangcan Jin, Liangke Liu, Fengchang Wu. Use of low cost crop biological wastes for the removal of Nitrobenzene from water. Desalination, 2010,264:32-36.
27. Shengrui WANG, Wenli YI, Suwen YANG, Xiangcan JIN, Guodong WANGc, Fengchang WU. Effects of light fraction organic matter removal on phosphate adsorption by lake sediments. Applied Geochemistry, 26 (2011), 286-292.