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Education:

PhD: 2008: wetland ecology at the school of Urban and Environmental Science, Northeast Normal University

MS: 1999: Northeast Normal University BS: 1996: Northeast Normal University

General Areas of Expertise:

Ecological Process and function mechanism of wetland; Conservation and restoration of wetland ecosystem; Design and application of treatment wetland.

Short Bio:

I am currently a professor of School of Environment at Northeast Normal University, China. My research interests are wetland ecology. Several years ago I have done a lot of work on the waterfowl diversity and conservation of habitat in the wetland of Northeast China. I try to find a good solution to balance the water requirement by waterfowl habitat and human activity, to restore the hydrological connectivity and water area required by the waterfowl. Recently years I have done some work on wetland restoration and construct wetland for environment improvement. Wetland is a kind of very important ecosystem which can sustain a lot of service for human being, for example the food, water and energy, and so on, Therefore the development of wetland function and ecosystem service will be my research interest in future.

Five Representative Publications:

1. Luzhen Li, Chunguang He*, Guodong Ji**, Wei Zhi, Lianxi Sheng. Nitrogen removal pathways in a tidal flow constructed wetland under flooded time constraints. *Ecological Engineering*, 2015, Vol.81:266-271
2. Yanjie Mi, Chunguang He*, Hongfeng Bian, Yanpeng Cai, Lianxi Sheng**, Liang Ma. Ecological engineering restoration of a non-point source polluted river in Northern China. *Ecological Engineering*, 2015, Vol.76:142-150
3. Kun Li, Chunguang He*, Jie Zhuang, Zhenxing Zhang, Hongyong Xiang, Zhongqiang Wang, Haijun Yang, Lianxi Sheng. Long-term changes in water quality and macroinvertebrate communities of a subtropical river in South China. *Water*, 2015, Vol.7:63-80
4. Zhongqiang Wang, Yao Shi, Mingming Cheng, Chunguang He*, Jie Zhuang, Lianxi Sheng. Purification of small-scale stagnant water in urban regions: Human-powered water lift and bank-based constructed wetland. *Ecological Engineering*, 2015, Vol.83:108-111
5. Chunguang He, Tadaharu Ishikawa, Sheng Lianxi*, Irie Mitsteru. Study on hydrological conditions for the conservation of nesting habitat of Red-crowned Crane in Xianghai Wetlands, China. *Hydrological Process*, 2009 Vol.23(4): 612-622

FEWSTERN Symposium 2017 Presentation Title and Abstract:

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