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RESEARCH INTERESTS

Global Change Ecology
Soil Biogeosciences
Wetland Ecology and Management

EDUCATION BACKGROUND

2004 - 2008	Huanggang Normal University	Bachelor
2008 - 2013	Institute of Subtropical Agriculture, CAS	Ph. D.

WORK EXPERIENCE

2013 - Present	Institute of Subtropical Agriculture, CAS	Assist. Prof.
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HOSTED RESEARCH PROJECTS

2015.1 – 2017.12 Soil Carbon Emission and its Response Mechanisms to Hydrological Condition Changes in Dongting Lake Wetlands, China. National Natural Science Foundation
2015.1 - 2015.12 The Research on Wetland Restoration Models for the Key Types of Wetlands in Liuyang River, Xiangjiang River and Dongting Lake basin. World Wide Fund for Nature (WWF)

HONOURS & AWARDS

Zhu Li Yuehua Scholarship	CAS, China	2013
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PRESENTATIONS

Effects of flooding and drainage on CO₂ flux in Dongting Lake wetlands, China. 2015. AGU-GAC-MAC-CGU Joint Assembly, Montreal, Canada. (Poster)

PUBLICATIONS

Under - reviewed Journals and Manuscripts in Preparation

1. **Deng Z.M.**, Xie Y.H., Zhang C.Y., Chen X.S., Li F. The soil temperature and moisture sensitivity of soil carbon (CO₂ and CH₄) emission in Dongting Lake

Wetlands, China. (in preparation)

2. **Deng Z.M.**, Xie Y.H., Chen X.S., Li F., Zhang C.Y. Effects of flooding and drainage on CO₂ flux in Dongting Lake wetlands, China. 2015. (in preparation)
3. **Deng Z.M.**, Xie Y.H., Chen X.S., Li F. The role of clone size on tolerating submergence and facilitating post-submergence growth recovery in *Carex brevicuspis* (Cyperaceae).2015. AoB Plants. (Under review)

Peer - reviewed Journals:

4. **Deng Z.**, Chen X., Xie Y., et al. 2015. The role of seedling recruitment from juvenile populations of *Carex brevicuspis* (Cyperaceae) at the Dongting Lake wetlands, China. Scientific Reports. 5 : 8646
5. Gao X., Ge D.B., **Deng Z.M.***, Xie Y.H. & Gao T.J. 2015: Survival strategy in the wetland sedge *Carex brevicuspis* (Cyperaceae) in response to flood and drought: avoidance or tolerance? Annales Botanici Fennici 52: 401–410. (**Corresponding author**)
6. Chen X., **Deng Z.**, Xie Y., et al. 2014. Demography of *Carex brevicuspis* (Cyperaceae) Rhizome Populations: A Wetland Sedge Produce both Elongated and Shortened Rhizomes. Nordic Journal of Botany 32: 251–256. (**Co-first author**).
7. **Deng Z.**, Chen X., Xie Y., et al. 2013. Plasticity of the clonal growth strategy of the wetland sedge *Carex brevicuspis* along an elevation gradient in Dongting Lake wetlands, China. Annales Botanici Fennici 50: 151-159.
8. **Deng Z.**, Chen X., Xie Y.H. 2013. Effects of size and vertical distribution of buds on sprouting and plant growth of the clonal emergent macrophyte *Miscanthus sacchariflorus* (Poaceae). Aquatic Botany 104: 121-126.(has been cited by 13 times)
9. **Deng Z.**, Chen X., Xie Y., et al. 2010. Research progress on plant bud bank. Chinese Journal of Ecology 29: 1812-1819. (in Chinese with English abstract, has been cited by 12 times)