General plant strategies and functions in wetlands: global trait-based analyses

Pan, Y.

List of Publications

Publications in peer-reviewed Journals (English):

1. **Pan, Y.***, Cieraad, E., Clarkson, B.R., Colmer, T.D., Pedersen, O., Visser, E.J.W., Voesenek, L.A.C.J. & van Bodegom, P.M. (2020) Drivers of plant traits that allow survival in wetlands. *Functional Ecology*, **34**, 956-967. doi: 10.1111/1365-2435.13541
2. **Pan, Y.***, Cieraad, E., van Bodegom, P.M. (2019) Are ecophysiological adaptive traits decoupled from leaf economics traits in wetlands? *Functional Ecology*, **33**, 1202–1210. doi: 10.1111/1365-2435.13329
3. **Pan, Y.**, Zhang, X., Song, K. & Da, L. (2017) Applying trait-based method to investigate the relationship between macrophyte communities and environmental conditions in a eutrophic freshwater lake, China. *Aquatic Botany*, **142**, 16–24. doi: 10.1016/j.aquabot.2017.06.002
4. Cui, Y., Song, K., Guo, X., van Bodegom, P.M., **Pan, Y.**, Tian, Z., Chen, X., Wang, J. & Da, L. (2019) Phylogenetic and functional structures of plant communities along a spatiotemporal urbanization gradient: Effects of colonization and extinction. *Journal of Vegetation Science*, **30**, 341–351. doi: 10.1111/jvs.12724
5. Song, K., Cui, Y., Zhang, X., **Pan, Y.**, Xu, J., Xu, K. & Da, L. (2017) Enhanced effects of biotic interactions on predicting multispecies spatial distribution of submerged macrophytes after eutrophication. *Ecology and Evolution*, **7**, 7719–7728. doi: 10.1002/ece3.3294

Publications in peer-reviewed Journals (Chinese):

6. **Pan, Y.*** (2015). Applying the system dynamics model to the prediction of public and domestic water demand and the water savings for Shanghai city. *Water Resource Protection*. **31**(3), 103-107. doi: 10.3880/j.issn.1004-6933.2015.03.020
7. **Pan, Y.**, Shang, Z., Yang, K. (2013). Study of the effecting factors and the comprehensive assessment of sustainable utilization and management on urban water resources. *Journal of Xihua University (Natural Science Edition)*. **32**(3), 108-112. doi: 10.3969/j.issn.1673-159X.2013.03.023
8. **Pan, Y.*** (2012). Survey and analysis on three different managing systems of student water consumption in colleges. *Sichuan Environment*. **31**(1), 155-158. doi: 10.14034/j.cnki.schj.2012.01.005

In review/revision:

1. **Pan, Y.***, Cieraad, E., Armstrong, J., Armstrong, W., Clarkson, B.R., Colmer, T.D., Pedersen, O., Visser, E.J.W., Voesenek, L.A.C.J. & van Bodegom, P.M. The leaf economics spectrum revisited: global wetland trait patterns in wetlands.
2. **Pan, Y.***, Cieraad, E., Armstrong, J., Armstrong, W., Clarkson, B.R., Pedersen, O., Visser, E.J.W., Voesenek, L.A.C.J. & van Bodegom, P.M. Adaptive strategies are decoupled from leaf economics traits and size-related traits in wetlands.
3. Zhang, X., Song, K., **Pan, Y.**, Gao, Z., Pu F., Lu, J., Shang, K., Da, L., Cieraad, E. Seasonal and climatic adaptations in leaf traits of an evergreen oak at its upper limit.
4. Gao, Z., Song, K., **Pan, Y.**, Malkinson, D., Zhang, X., Jia, B., Xia, T., Guo, X., Liang, H., Huang, S., Da, L., van Bodegom, P.M. & Cieraad, E. Drivers of spontaneous plant richness of urban green infrastructures in Kunming, China.
5. Lin, F., Liu, S., Cornelissen, J.H.C., Ayi, Q., Su, X., Niu, H., Jing, S., **Pan, Y.**, Pan, X., Shi, S., Zeng, B. & van Bodegom, P.M. Differential responses in seed viability and germination of summer and winter annuals to extreme submergence.

Conference/Forum Abstracts:

1. **Pan, Y.**, Cieraad, E. & van Bodegom, P.M. Wetland plant functional traits, strategies and ecosystem functioning. Oral Presentation. *The International Young Scholars Shenzhen Forum of Sun Yat-sen University*. 2019, Shenzhen, China.
2. **Pan, Y.**, Cieraad, E. & van Bodegom, P.M. Global analyses on wetland plant strategies and ecosystem functioning. Invited Lecture. *School of Ecological and Environmental Sciences, East China Normal University*. 2019, Shanghai, China.
3. **Pan, Y.**, Cieraad, E. & van Bodegom, P.M. Drivers of a global spectrum of wetland traits: climate, habitats and plant adaptive strategies. Oral Presentation. *EGU General Assembly.* 2019, Vienna, Austria.
4. **Pan, Y.** General wetland plant strategies. Invited Speech. *The International Young Scholars Forum of Guangxi University*. 2019, Nanning, China.
5. **Pan, Y.** Wetland plant strategies and ecosystem functioning. Invited Speech. *The 4th Young Scholar Academic Forum, Yangzhou University*. 2019, Yangzhou, China.
6. **Pan, Y.**, Song, K. & Da, L. Macrophyte traits, environment and community composition in Dianshan Lake. Poster Presentation. *The 4th Young Scholar Academic Forum, Ecological Society of Shanghai.* 2016, Shanghai, China.
7. **Pan, Y.**, Song, K. & Da, L. Linking plant traits to the relationships between macrophyte community assembly and environmental variables in a eutrophic freshwater lake. Oral Presentation. *The 14th China Congress of Ecology, Ecological Society of China*. 2015, Chengdu, China.

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Curriculum Vitae

Yingji Pan was born on Feb. 7th, 1991, in Chengdu, China. From 2006 to 2009, he attended and graduated from Chengdu Shishi high school, the most famous high school in Sichuan province with its longest history in education in China.

Between 2009 and 2013, he studied his BSc degree in Major of Ecology at East China Normal University (ECNU), Shanghai, China. During that time, he was awarded the opportunity as an exchange student to study at Sun Yat-sen University (2011) and National Dong Hwa University (2012), respectively.

During 2013 to 2016, he obtained his MSc degree in Major of Ecology under the supervision of Prof. Liangjun Da and Dr. Kun Song at ECNU. Before accomplishing his Master's degree study, he was awarded a scholarship for excellent student funded by ECNU to study at Colorado State University, USA for half a year (2015), where he collaborated with Dr. Erick Carlson under the supervision of Prof. David J. Cooper to study wetland plant communities and their ecosystem functioning.

From 2016, he was, as a PhD student, awarded a scholarship funded by the CSC-Leiden University joint program to study at the Institute of Environmental Sciences (CML), Leiden University, the Netherlands. His PhD research project (2016-2020), under the supervision of Prof. Peter van Bodegom and Dr. Ellen Cieraad, focused on the wetland plant and wetland ecosystem functioning. His PhD research work aimed to understand wetland plant adaptive strategies and the relationship between wetland plants and wetland ecosystem functioning through trait-based approaches.