Restoration of ditch bank plant diversity : the interaction between spatiotemporal patterns and agri-environmental management

Leng, X.

Curriculum Vitae

Xin Leng was born on Nov. 11th, 1981 in Danyang, Jiangsu, China. In 1999, she started her university education at the Department of Biology, Nanjing University, China. During this period, she carried out a six-month research project for her undergraduate dissertation in the group of Prof. Shuqing An. The project focused on genetic diversity of insular endangered species *Ilex integra*. After she achieved her Bachelor's degree in June 2003, she became a graduate student at the Department of Ecology of the same university, exempted from the entrance examination. Her master project is a follow up study of her bachelor's dissertation, focusing on genetic diversity of insular endemic species and rare and endangered species. In the year 2005, she obtained her Master's degree at the Nanjing University, China. The same year, she was awarded a scholarship by the Chinese Scholarship Council (CSC) to pursue her PhD at the Institute of Environmental Sciences, Leiden University, The Netherlands. From 2005 to 2006, she followed successfully a one-year professional research training programme at the Graduate School of Science of Leiden University and started with her PhD research. From 2006 to 2010 she did her study on the subject *Restoration of ditch bank plant diversity: the interaction between spatiotemporal patterns and agri-environmental management*, under the supervision of Prof. Dr. Geert R. de Snoo and Dr. C.J.M. Musters. Since Jan 1st, 2010, she is appointed as lecturer in Nanjing University, China.

List of Publications

Wang, Z.S., An, S.Q., Liu, H., Leng, X., Zheng, J.W., Liu, Y.H., 2005. Genetic Structure of the Endangered Plant *Neolitsea sericea* (Lauraceae) from the Zhoushan Archipelago Using RAPD Markers. *Annals of Botany* **95**: 305-313.

Zheng, J.W., An, S.Q., Chen, L., Leng, X., Wang, Z.S., Xiang, H.J. 2005. Effects of Logging on the Genetic Diversity of *Quercus tiaoloshanica* Chun et Ko in a Tropical Montane Forest of Hainan Island, Southern China. *Journal of Integrative Plant Biology* **47**: 1184-1192.

Wang, Z.S., An, S.Q., Liu, H., Feng, J., Zhang, F., Leng, X., 2006. Effect of stand age and management regime on genetic diversity of *Thuidium cymbifolium* in western China. *Biological Conservation* **129**: 551-557.

Leng, X., Musters, C.J.M., de Snoo, G.R., 2009. Restoration of plant diversity on ditch banks: Seed and site limitation in response to agri-environment schemes. *Biological Conservation* **142**: 1340-1349.

Leng, X., Musters, C.J.M., de Snoo, G.R., 2010. Synergy between nature reserves and agri-environmental schemes in enhancing ditch bank target species plant diversity. *Biological Conservation*, in press.

Leng, X., Musters, C.J.M., de Snoo, G.R., 2010. Spatial variation in ditch bank plant species composition at the regional level: the role of environment and dispersal. *Journal of Vegetation Science*, in press.

Leng, X., Musters, C.J.M., de Snoo, G.R., in prep. Spatiotemporal variation of plant diversity on ditch banks under different management regimes. Submitted to *Basic and Applied Ecology*.

Leng, X., Musters, C.J.M., de Snoo, G.R., in prep. Effects of mowing date on the opportunities of seed dispersal of ditch bank plant species under different management regimes. To be submitted.


Restoration of plant species
diversity of ditch banks