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CURRENT IDENTITY

Ph.D. candidate in Environment Science at UQAM
Supervisor: Changhui Peng (FCM member)
Co-supervisor(s): Daniel Kneeshaw (FCM collaborator)

EDUCATION

M.Sc. (2011):

2008-2011 **Central South University of Forestry & Technology (CSUFT)**
Changsha

- Ecology

B.Sc. (2005)

2001-2005 **Nanjing University of Information Science & Technology (NUIST)**
Nanjing

- Computer science and technology

SKILLS

- Utilized SPSS statistical programs, R and Visual C++ extensively.
- The Application of Artificial Neural Networks Model.
- Forest survey and evaluation research techniques.

RESEARCH AREAS

- Global Climate Change
- Ecology Model

EXPERIENCE

- 2011-2015** Chaling prefectural forestry bureau, Zhuzhou, Hunan, China. Participated the project that entitled "woodland protection and utilization planning for Chaling" funded by The Forestry Department of Hunan Province.
- 2010-2011** Central South University of Forestry & Technology (CSUFT), Changsha, China. Participated in "The relationship of the carbon-nitrogen-water flux and influence mechanism of environment in the terrestrial ecosystem of China" funded by Chinese 973 program (2010CB833500-G).

- 2010-2011** Central South University of Forestry & Technology (CSUFT), Changsha, China. Participated in “The introduction of technology that based on TRIPLEX-FLUX model for intelligent management and decision in artificial forest” funded by the Introducing Advanced Technology Program (948 Program) (No. 2010-4-03).
- 2009** Central South University of Forestry & Technology (CSUFT), Changsha, China. Participated forest inventory of project funded by The Forestry Department of Guangxi Province.

LEADERSHIP & AWARDS

- **Outstanding Bourses d'excellence de la Faculté des sciences**, Bourse Hydro-Québec, 2015-2016
- **Outstanding master's thesis**, The education Department Of Hunan Province, 2013
- **Outstanding master's thesis**, Central South University of Forestry & Technology (CSUFT), 2012
- **Outstanding graduate student**, Central South University of Forestry & Technology (CSUFT), 2011.

PUBLICATIONS

- **Zelin Liu**, Changhui Peng*, Wenhua Xiang, Xiangwen Deng, DaLun Tian, Meifang Zhao, Guirui Yu. Simulation of runoff and evapotranspiration of Chinese fir plantation ecosystem with artificial neural networks. *Ecological Modelling*, 2012, 226, 71-76 (SCI, IF=2.326).
- **Zelin Liu**, PENG ChangHui*, XIANG WenHua, TIAN DaLun, DENG XiangWen, ZHAO MeiFang. Application of artificial neural networks in global climate change and ecological research: An overview. *Chinese Science Bulletin*, 2010, 55 (34): 3851-3861 (SCI, IF=1.321).

WORKSHOP & MEETING

- Participating the “**Climate—induced range shifts in boreal forest pests**”, 11-15 July, 2016, Sept-Iles and Baie-Comeau, Quebec, Canada.
- Participating the “**International Workshop on Ecological Forecasting and Global Change**”, July 5-8, 2014, Xi'an, China
- participating the “**2010 Academic Annual General Meeting by Ecological Society of Hunan Province**”, December 11, 2010, Changsha, Hunan, China.
- Participating the “**Forest Conservation and Sustainable Management in China--Challenges and Solutions - An academic workshop**”, October 19-20, 2010, Changsha, Hunan, China.
- Participating the “**TRIPLEX--FLUX model application in Canada boreal forests: A model workshop**”, 29 June, 2010, Changsha, Hunan, China.