
**Contact
Information**

ZongShan LI

Gender: Male

Date of Birth: July 22, 1977

Birthplace: Weifang City, Shandong Province, P.R. China

Married Status: Married

Mailing address:

State Key Laboratory of Urban and Regional Ecology

Research Center for Eco-Environmental Science, Chinese Academy of Sciences

Shuangqing Road 18th, Haidian District, Beijing, P. R. China

Postal Code: 100085

Telephone: (86)10-62923549

Fax: (86)10-62923549

Mobile phone: 18608377387

QQ: 1141958023

Email: zsli_st@rcees.ac.cn

**Research
Interests**

My interests mainly focus on dendroclimatology, especially for the regions of Western Sichuan Plateau and Hengduan Mountains of Northwestern Yunnan.

Education

Postdoc candidate in forest Ecology

August 2009 –

Research Center for Eco-Environmental Science, Chinese Academy of Sciences Beijing

Postdoc thesis: Reconstruction of fir forest NPP variations during past centuries for the West Sichuan Plateau of China, inferred from tree-ring data

Expected graduation date: February 2012

Advisor:

Professor **Guohua LIU** Research Center for Eco-Environmental Science, Chinese Academy of Sciences

Professor **Bojie FU** Research Center for Eco-Environmental Science, Chinese Academy of Sciences

Ph.D Degree of Science in Plant Ecology

September 2004–April 2009

Institute of Botany, Chinese Academy of Sciences Beijing

Ph.D thesis: Reconstruction of millennial climatic dynamics of Hengduan Mountains, northwestern Yunnan of China, using dendrochronological data of coniferous species

Advisor:

Professor **Keping MA** Institute of Botany, The Chinese Academy of Sciences

Professor **Qi-Bin ZHANG** Institute of Botany, The Chinese Academy of Sciences

Master Degree of Plant Ecology

September 2001 – July 2004

Xishuangbanna Tropical Garden of Chinese Academy of Science

Kunming Yunnan Province

MS thesis: The floristic composition and plant diversity of tropical montane rain forests in Xishuangbanna, southern Yunnan of China

Advisors: Associate Professor **Jianwei TANG** Xishuangbanna Tropical Garden of Chinese Academy of Science

Bachelor Degree of Science in biology

September 1997 – July 2004

Qufu Normal University

Qufu Shandong Province

BC thesis: The spatial distribution patterns for plant species of Polygonaceae in Shandong

Province, China

Advisors: Associate Professor **Yuantong HOU**

Qufu Normal University

**Foundations
on research**

Reconstruction of fir forest NPP variation during the past centuries for West Sichuan Plateau of China, inferred from the tree-ring data [Natural Science Foundation of China (Grant No. 31000210), time duration from January 2011 to January 2013](principal investigator)

Growth variation in *Abies faxoniana* along elevational transects in Wolong Natural Reserve, western Sichuan of China [National Science Foundation for Post-doctoral Scientists of China(Grant No.20100470560),time duration from August 2010 to August 2011](principal investigator)

**Professional
Experience**

Field Experience: Xishuangbanna, Yunnan Province September 2001–April 2004

Field investigation of floristic characteristics, community composition and spatial structure of tropical montane rain forests in Xishuangbanna, southern Yunnan of China (National Natural Science Foundation of China: Project 40075027 and 30170168)

Field Experience: Gutian Mountain, Zhejiang Province March 2005–May 2005

Field investigation of size-age models of dominant tree species of Large-Scale Census Plot at Gutian Mountain, and 240 tree-ring cores of six species were collected. (The Chinese Academy of Sciences' Institute of Botany project C907)

Field Experience: Hengduan Mountains, Yunnan Province June 2005–October 2005

Climate reconstruction of the last Millennium of Hengduan Mountains, northwestern Yunnan of China, and nearly 1200 tree ring cores of *Abies*, *Picea*, *Tsuga* and *Pinus* distributed at 12 sample sites were collected (The Chinese Academy of Sciences' Institute of Botany project C907)

Field Experience: Dujiangyan, Sichuan Province June 2006–August 2006

Climate reconstruction of past several centuries of Dujiangyan, Sichuan Province of China, based on the tree-ring materials of temperate forests, and about 200 tree-ring cores of six species were collected (The Chinese Academy of Sciences' Institute of Botany project C907)

Field Experience: Tianshan Mountains, Xinjiang Province September 2006–November 2006

Climate reconstruction of past several centuries of Tianshan Mountain, Xinjiang Province of China, and about 800 tree ring cores of *Picea* trees were collected (National Natural Science Foundation of China: Project 90102009)

Field Experience: Himalaya Mountains, Tibetan Plateau May 2007–August 2007

The correlation of climate change scenarios during the past several centuries between the Tibetan plateau and eastern China, based on the tree-ring materials (The Chinese Academy of Sciences' Institute of Botany project C907)

Field Experience: Xishuangbanna, Yunan Province March 2008–April 2008

Field investigation of Size-Age models for dominant tree species in the Large-Scale Census Plot at Xishuangbanna of south Yunnan of China, and about 400 tree-ring cores of 10 species were collected (The Chinese Academy of Sciences' Institute of Botany project C907)

Field Experience: Dinghu Mountain, Guangdong Province May 2008–June 2008

Field investigation of size-age models of dominant tree species in the Large-Scale Census Plot at Dinghu Mountain, Guangdong province of China, about 350 tree-ring cores of 9 species

were collected (The Chinese Academy of Sciences' Institute of Botany project C907)

Field Experience: Changbai Mountain, Jilin Province July 2008–August 2008

Field investigation of size-age models of dominant tree species in the Large-Scale Census Plot at Changbai Mountain, Jilin province of China, and about 300 tree-ring cores of 7 species were collected (The Chinese Academy of Sciences' Institute of Botany project C907)

Field Experience: Animaqin Mountains, Qinghai Province May 2009–July 2009

Climate reconstruction of past several centuries of Animaqin Mountains, Qinghai Province of China, and about 400 tree ring cores of Sabina trees were collected (National Natural Science Foundation of China: Project 40631002 and 40890051)

Field Experience: Balang Mountains, Western Sichuan Plateau September 2009–October 2009

Climate reconstruction of past several centuries of ABalang Mountains, Western Sichuan Plateau, and about 500 tree ring cores of Fir trees were collected (National Natural Science Foundation of China: Project 40871248)

Field Experience: Zhegu Mountains, Western Sichuan Plateau May 2010–July 2010

Climate reconstruction of past several centuries of Zhegu Mountains, Western Sichuan Plateau, and about 400 tree ring cores of Fir trees were collected (National Natural Science Foundation of China: Project 41071039 and 31000210)

Publications

1. **Zongshan Li**, Qi-Bin Zhang*, Keping Ma. 2011. Summer temperature variations based on tree-ring data in the central Hengduan Mountains, Northwestern Yunnan, China, AD 1530-2003. *Climatic Change* (In press)[IF=4.184]
2. **Zongshan Li***, Shichun Ming, Yongbo Liu, Jinlong Zhang, Qi-Bin Zhang, Keping Ma. 2011. Summer temperature variations from 1710-2005 A. D. as inferred from the tree-ring data of Baimang Snow Mountain, Northwestern Yunnan Province, China. *Climate Research* (In press)[IF=2.25]
3. **Zongshan Li**, Guohua Liu*, Bojie Fu, Jinlong Zhang. 2011. The potential influence of seasonal climate variables on the net primary production of forests in eastern China. *Environmental Management*(In press)[IF=1.785]
4. **Zongshan Li***, Shichun Ming, Yongbo Liu, Jinlong Zhang. 2011. Winter drought variations based on tree-ring data in Gaoligong Mountain, Northwestern Yunnan, China, A. D. 1795-200. *Pakistan Journal of Botany* (In press)[IF=0.52]
5. **Zongshan Li**, Guohua Liu*, Bojie Fu, Qi-Bin Zhang, Chanjuan Hu, Shuzheng Huo. 2011. The influence of different detrending methods on climatic signal of tree-ring chronologies in Wolong National Natural Reserve, western Sichuan of China. *Chinese Journal of Plant Ecology* (in press)(in Chinese with English abstract)
6. **Zongshan Li**, Guohua Liu*, Bojie Fu, Qi-Bin Zhang, Chanjuan Hu, Shuzheng Huo. 2011. Tree ring-based summer temperature reconstruction over the past 200 years in Miyaluo of Western Sichuan, China. *Quaternary Sciences*,31(3):522-534(in Chinese with English abstract)
7. **Zongshan Li**, Guohua Liu*, Bojie Fu, Qi-Bin Zhang, Chanjuan Hu, Shuzheng Huo. 2010. Evaluation of temporal stability in tree growth-climate response in Wolong National Natural Reserve, western Sichuan, China. *Chinese Journal of Plant Ecology*,34(9):1045-1057(in Chinese with English abstract)
8. **Zongshan Li**, Guohua Liu*, Qi-Bin Zhang, Chanjuan Hu, Shuzheng Huo, Xingliang Liu,

Fei He. 2010. Tree ring reconstruction of summer temperature variations over the past 159 years in Wolong National Natural Reserve, western Sichuan, China. *Chinese Journal of Plant Ecology*, 34(6): 628-641 (in Chinese with English abstract)

9. **Zongshan Li**, Jianwei Tang*, Zheng Zheng, Shengzhong Zhu, Wenyong Duan, Jinping Song, Xianming Guo, Rong Zeng. 2005. Tree species diversity of tropical montane rain forest in Xishuangbanna, Yunnan. *Chinese Journal of Applied Ecology*, 16(7): 1183-1188. (in Chinese with English abstract)

10. **Zongshan Li**, Jianwei Tang*, Zheng Zheng, Qingjun Li, Duanwei Yong, Shengzhong Zhu, Xianming Guo, Jianwei Zhao, Rong Zeng. 2005. Coenological characteristics of tropical montane rain forest in Xishuangbanna. *Journal of Wuhan Botanical Research*, 23(4): 319-326. (in Chinese with English abstract)

11. **Zongshan Li**, Jianwei Tang*, Zheng Zheng, Qingjun Li, Chengkun Luo, Zhengan Liu, Wenyong Duan, Xianming Guo. 2004. A study on plant diversity of tropical montane rain forests in Xishuangbanna, Yunnan. *Acta Phytocologica Sinica*, 28(6): 833-843. (in Chinese with English abstract)

12. **Zongshan Li**, Jianwei Tang*, Zheng Zheng, Wenyong Duan, Shengzhong Zhu, Xianming Guo. 2004. Analysis on the coenological characteristics of tropical montane rain forest in Lancang, South Yunnan. *Guihaia*, 25(3): 206-214. (in Chinese with English abstract)

Co-author papers

1. Chunming Shi, Masson-Delmotte, V, Daux, V, **Zongshan Li**, Qibin Zhang*. 2010. An unstable tree-growth response to climate in two 500 year chronologies, North Eastern Qinghai-Tibetan Plateau. *Dendrochronologia*, 28: 225-237

2. Gai Guo, **Zongshan Li***, Qi-Bin Zhang, Keping Ma, Conglong Mu. 2009. Dendroclimatological studies of *Picea likangensis* and *Tsuga dumosa* in Lijiang, China. *IAWA Journal*, 30(4): 435-441. [IF=0.825]

3. Jinlong Zhang, Nathan Swenson, Richard Condit, Shengbin Chen, **Zongshan Li**, Jihong Huang, Xiangcheng Mi, Keping Ma. 2011. Phylogenetic beta diversity in tropical forests: implications from geographical distance and environmental factors (In preparation)

Conference papers

1. **Zongshan Li**, Qi-Bin Zhang. A 528-year tree-ring record of annual temperature variation in northwestern Yunnan, China. Abstract Volume of the first Asian Conference on Dendrochronology. Bangkok, Thailand, September 9-15, 2007. p.42

2. **Zongshan Li**, Qi-Bin Zhang, Keping Ma. Spring precipitation reconstruction of past 600 years using tree rings of *Tsuga forrestii* in Shangri-La, Northwestern Yunnan, China. Abstract Volume of the 7th International Conference on Dendrochronology. Beijing, China, June 11-17, 2006. p.84

3. Hongwei Chen, **Zongshan Li**, Yun Zhou. History of forest growth in Lijiang conservation zone, China. Abstract Volume of the 7th International Conference on Dendrochronology. Beijing, China, June 11-17, 2006. p.37.

Prepared, submitted and revision papers

1. **Zongshan Li**, Guohua Liu*, Bojie Fu. 2011. Growth-ring variations of alpine shrub *Rhododendron przewalskii* reflect regional climate signals in alpine environments at Miyaluo town, western Sichuan of China. *Acta Geographica Sinica* (submitted) (in Chinese with English abstract)

2. **Zongshan Li**, Guohua Liu*, Qi-Bin Zhang, Chanjuan Hu, Shuzheng Huo, Xingliang Liu, Fei He. 2011. Growth variation in *Abies faxoniana* along elevational transects in Wolong National Reserve, western Sichuan of China. *Trees-Structure and Function* (second Revision submitted)

3. **Zongshan Li**, Qi-Bin Zhang*, Keping Ma. Spatial pattern in tree-ring growth response to climate in northwestern Yunnan of China. (prepare for submitted to *Canadian Journal of Forest Research*)
4. **Zongshan Li**, Shichun Ming, Yongbo Liu, Jinlong Zhang, Qibing Zhang. 2011. Synchronous climatic response of coniferous species at different elevations in the northwestern Yunnan, southwestern China. (prepare for submitted to *Annals of Forest Science*)
5. **Zongshan Li**, Guohua Liu*, Bojie Fu, Qi-Bin Zhang. 2011. Tree ring-based summer-autumn temperature reconstruction over the past 186 years in Miyaluo of Western Sichuan, China. (prepare for submitted to *Climatic Research*)
6. **Zongshan Li**, Guohua Liu*, Bojie Fu, Qi-Bin Zhang. 2011. Growth-ring variations of alpine shrub *Sabina pingii* var. *wilsonii* reflect regional climate signals in alpine environments at Miyaluo town, western Sichuan of China. (prepare for submitted to *Annals of Botany*)
7. **Zongshan Li**, Guohua Liu*, Bojie Fu, Qi-Bin Zhang. 2011. Time unstable relationships between tree growth and climate in Western Sichuan Plateau of China. (prepare for submitted to *Plant Ecology*)

Referees

Professor: Keping Ma

Institute of Botany,
The Chinese Academy of Sciences
Email: kpma@ibcas.ac.cn

Professor: Qibin Zhang

Institute of Botany, The Chinese Academy of Sciences
Email: qbzhang@ibcas.ac.cn

Professor: Bojie Fu

Research Center for Eco-Environmental Science,
The Chinese Academy of Sciences
Email: bjfu@rcees.ac.cn

Professor: Guohua Liu

Research Center for Eco-Environmental Science,
The Chinese Academy of Sciences
Email: ghliu@rcees.ac.cn

Last update: May 23, 2011