

# Curriculum Vitae



## 1. Personal data

<i>Name, first name</i>	Li, Maihe
<i>Title</i>	PhD, Senior scientist, Tree Physioecologist
<i>Date / place of birth</i>	13. 06. 1964 / Hunan, China
<i>Nationality</i>	Chinese
<i>Address (office)</i>	Swiss Federal Research Institute WSL, Zuercherstrasse 111, CH-8903 Birmensdorf, Switzerland
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## 2. Professional and Research Interests

- 1) High-elevation ecosystems
- 2) Global change ecology
- 3) Aboveground-belowground interactions of plant-soil system

## 3. Education (start with professional training)

1996 – 1999	PhD, Universität für Bodenkultur, Vienna, Austria
1994 – 1996	Degree in Forest Ecology, Universität für Bodenkultur, Vienna, Austria
1981 – 1985	Degree in Forest Science, Central-South Forestry University, Changsha, China

## 4. Work Experience (academic and implementation)

2018 -	Senior scientist, Swiss Federal Research Institute WSL, Switzerland
2003 - 2018	Research scientist, Swiss Federal Research Institute WSL, Switzerland
2018 - present	Adjunct Professor, School of Geographical Sciences, Northeast Normal University, China
2009 - present	Adjunct Research Professor, Institute of Applied Ecology IAE, Chinese Academy of Sciences CAS
Nov. 2012	Visiting Professor, School of Environment, Tsinghua University, China
2006 - 2009	Guest Lecture Professor, University of Chinese Academy of Sciences UCAS
2004 - 2009	Adjunct Research Professor, Institute of Mountain Hazards and Development IMDE, Chinese Academy of Sciences CAS
2001 - 2003	Post-Doc (with Dr. Norbert Kräuchi), Swiss Federal Research Institute WSL
2000 - 2001	Post-Doc (with Prof. Christian Körner), Institute of Botany, University of Basel
1999 - 2000	Post-Doc (with Director Friedrich Ruhm), Austrian Federal Office and Research Center for Forests, Vienna, Austria
1996 - 1997	Research assistant (with Prof. Dr. Jürgen Matschke), Horticulture Research Center of Westfalen-Lippe, Münster, Germany
1985 - 1994	Lecturer, College of Forestry, Central-South Forestry University, Changsha, China

## 5. Selected publications

(Publication record: 196 publications, of which ~150 ISI papers)

1. Xu ZW, Li M.H., Zimmermann NK *et al.* (2018) Plant functional diversity modulates global environmental change effects on grassland productivity. **Journal of Ecology** **106**: 1941-1951.
2. Li M.H., Jiang Y, Wang A, *et al.* (2018) Active summer carbon storage for winter persistence in trees at the cold alpine treeline. **Tree Physiology** **38**: 1345-1355.
3. Schönbeck L, Gessler A, Hoch G, McDowell NG, Rigling A, Schaub M, Li M.H. (2018) Homeostatic maintenance of non-structural carbohydrates after 13 years irrigation in a drought-stressed mature *Pinus sylvestris* forest. **New Phytologist** **219**: 1314-1324.
4. Du H, Liu J, Li M.H. *et al.* (2018) Warming-induced upward migration of the alpine treeline in the Changbai Mountains, northeast China. **Global Change Biology** **24**:1256–1266.
5. Wang CG, Chen Z, Brunner I, Zhang Z, Zhu X, Li J, Yin H, Guo W, Zhao T, Zheng X, Wang S, Geng Z, Shen S, Jin D, Li MH. (2018) Global patterns of dead fine root stocks in forest ecosystems. **Journal of Biogeography** **45**: 1378-1394.

## 6. Selected grants obtained (list of projects)

<u>Role</u>	<u>Funding Agency</u>	<u>Title</u>
PI	SNF Swiss National Science Foundation (No. 31003A_157126/1, 2015 – 2018)	Physiological coupling mechanisms of carbon and nutrient dynamics underlying the drought-induced decline of Scots pine
PI	NSFC National Natural Science Foundation of China (No. 41371076; 2014-2017)	Physiological mechanisms underlying the pattern formation of the upper elevational limits of different plant life forms and their responses to climate change in China
PI	NSFC National Natural Science Foundation of China (No. 40771071, 2007 – 2010)	Carbon balance and the alpine treeline dynamics under climate changes
PI	NSFC National Natural Science Foundation of China (No. 30540039; 2005 – 2007)	Physiological mechanisms of the alpine treeline formation in Gonggan Mts.

## 7. Supervision of theses (academic main lead)

MSc students (4)	Pan Li and Jie Wu (SW Univ. Chongqing), Ao Wang (PFU), Yanli Zhang (CAF)
(Guest) PhD students (13)	Junyan Zhang, Hongli Pan, Zhong Du, Caifeng Yan, Xue Wang, Lei Zhang, Xiaoyu Wang, Leonie Schönbeck, Peng He, Ao Wang, Yue Yang, Yanyan Ni, Peng Zhang
Post-Docs, visiting scientists	Xiaohu Cai, Peng-Fei Qiu, Guoliang Xu, Caifeng Yan, Jianfeng Liu, Xin Sui, Xiaogai Ge, Zhong Du, Xiaotao Lyv, Zhuwen Xu, Haiyan Ren

## 8. Selected academic services

Associate Editor (2009 -2020)	Journal of Plant Ecology (Oxford, UK)
Editorial board member (2020 - present)	
Academic Editor (2014 – present)	PLoS ONE (USA)
Associate Editor (2010-17)	iForest - Biogeosciences & Forestry (Italy)
Editorial board member (2018 - 2019)	
Editorial board member (2011 - 2017)	Ecological Processes (Springer, Germany)
Referee (2007 – 2009)	Cheung Kong Scholars Programme (Hong Kong, China)
Referee (2017)	Tan Kah Kee Science Award Foundation (China)
International Reviewer (2017, 2020)	The Strategic Priority Research Program of CAS