



## 师资队伍

学院首页 / 师资队伍 / 教职员工 / 资源 / 正文

### 教职员工

### 王秀伟

发布时间: 2019年11月19日 10:15 点击: 660次

师资概况

教职员工

杰出人才

人才引进

优秀教师专访



#### 个人简介:

王秀伟, 理学博士, 副教授, 博士生导师。森林资源利用系党支部书记兼副主任。主要研究方向为树木生理学和植物生态学。主持国家自然科学基金项目2项, 国家重点研发子课题1项。共同主持国家“十二五”科技支撑子课题1项, 作为主要研究人员参加了国家重大基础研究发展计划项目1项, 国家自然科学基金项目4项, 国家林业局“948”项目2项、黑龙江省自然科学基金项目1项, 教育部博士点基金项目1项。在国内外学术期刊上共发表学术论文20余篇, 作为主要负责人选育国家林木良种8个, 获得国家专利2项, 出版专著2部, 获梁希科学技术奖(自然科学)二等奖1项, 黑龙江省科学技术奖三等奖1项, 黑龙江省高校科学技术奖一等奖1项, 梁希科学技术奖一等奖1项(排名第八)。东北林业大学第十五届和第十六届“我最喜爱的十佳教师”。主讲树木学、树木学实验和高级树木生理等专业课程。截至目前指导毕业硕士2人。

#### 代表性成果:

- 1.X.W. Wang, Mao Z, Mcguire M A, et al. Stem radial CO<sub>2</sub> conductance affects stem respiratory CO<sub>2</sub> fluxes in ash and birch trees[J]. Journal of Forestry Research. 2019, 30(1): 21-29.
- 2.X.W. Wang, Zhao D, Liu G, et al. Additive tree biomass equations for *Betula platyphylla* Suk. plantations in Northeast China[J]. Annals of Forest Science. 2018, 75(2): 60.
- 3.X.W. Wang, Y.H. Weng, G.F. Liu, M.J. Krasowski, C.P. Yang, Variations in carbon concentration, sequestration and partitioning among *Betula platyphylla* provenances, Forest Ecology and Management, 2015, 358: 344-352.
- 4.X.-W. Wang, M. Zhao, Z.-J. Mao, S.-Y. Zhu and D.-L. Zhang, X.-Z. Zhao. Interaction of Elevated CO<sub>2</sub> and Temperature and Elevated Temperature Only Promote Photosynthesis of *Quercus mongolica* Fisch. Seedlings. Russian Journal of Plant Physiology. 2008, 55(1): 54-58
- 5.王秀伟, 贾桂梅, 毛子军, 孙涛, 袁显磊. NaCl胁迫对3个杨树无性系幼苗生长和光合生理的影响. 植物研究, 2015, 35(01): 27-33.
- 6.王秀伟, 毛子军. 兴安落叶松树干CO<sub>2</sub>各通量成分对树干呼吸的贡献及其主要影响因子. 植物研究, 2014, 34(04): 452-457+484.
- 7.王秀伟, 毛子军. 输导组织结构对液流速度和树干CO<sub>2</sub>释放通量的影响. 北京林业大学学报, 2013, 35(04): 9-15.
- 8.王秀伟, 毛子军, 孙涛, 吴海军. 春、秋季节树干温度和液流速度对东北3树种树干表面CO<sub>2</sub>释放通量的影响. 生态学报, 2011, 31(12): 3358-3367.
- 9.王秀伟, 毛子军. 7个光响应曲线模型对不同植物种的实用性. 植物研究, 2009, 29(01): 43-48.
- 10.王秀伟, 毛子军. 兴安落叶松人工林冠层气体交换的时空特性. 林业科学, 2007(11): 43-49.
- 11.王秀伟, 毛子军, CHOI Kyung, PARK Kwang-woo. Significance of the leaf epidermis fingerprint for taxonomy of *Genus Rhododendron*. Journal of Forestry Research, 2006(03): 171-176+263.
- 12.纳晓莹, 王秀伟\*, 徐浩玉, 乔丽娜, 王遂, 刘桂丰, Kentbayev Yerzhan, Kentbayeva Botagoz, 4种桦树幼苗耐盐性分析与评价. 植物研究, 2015, (06): 873-882.

#### 联系方式:

0451-82191829

wxgreat@nefu.edu.cn

#### CURRICULUM VITAE

**Xiuwei Wang**

Dr. & Associate professor

School of Forestry, Northeast Forestry University

Harbin, P.R. China (150040)

Tel: 0451-82191829

November 19<sup>th</sup>2019

**Personal Data**

Particular Address: 26 Hexing Road Xiangfang District, Harbin, P.R.China ,150040, School of Forestry, Northeast Forestry University

Phone (work): +86-451-82191829

Email:wxgreat@nefu.edu.cn or wxgreat@126.com

**Education**

Doctor of Science, Northeast Forestry University,2009 Major: Botany(Forest Ecophysiology)

Master of Science,Northeast Forestry University,2006 Major: Botany(Forest Ecophysiology)

Bachelor of Agriculture Science, Northeast Forestry University,2003 Major: Forestry Science

**RESEARCH INTERESTS**

**Major topics:**Ecophysiology; Production ecology; Ecosystem ecology;

**Current interests:**Carbon, water, and nitrogen cycling in forests; Belowground respiration and soil CO<sub>2</sub>efflux; Internal transport of CO<sub>2</sub>in tree stems and roots; Linkages between carbon assimilation, storage, and respiration; Source/sink relationships of trees; Sap flow techniques.

**Professional Position**

2016.01-2017.01 Visiting scholar, School of Forest and Natural Resources, University of Georgia (In Dr. Robert Teskey Lab.)

2015- currentAssociate professor in Forestry school, Northeast Forestry University, Harbin (China).

2009-2015 Lecturer in Forestry school, Northeast Forestry University, Harbin (China).

**COURSES TAUGHT**

Dendrology, Tree Physiology

**Grants Received**

2019.05-2022.04 Study on the geographical differentiation of root exudates of four tree species in Northeast China. Fundamental Research Funds for the Central Universities (2572019BA15) ¥ 180,000

2018.07-2021.06 Field adaptability evaluation of multifunctional soil and water conservation plants.National Key R&D Program (2018YFC0507003-03) ¥ 250,000

2017.1-2020.12 Temporal and spatial variation in growth of white birch and its responses and adaptation to climate change in Northeastern China. Natural Science Foundation of China (No. 31670476) ¥ 630,000

2015.7-2018.6 The regulatory mechanisms of soil carbon flux associated with different succession stages of the typical mixed broadleaved-Korean pine forest in Northeastern China. Foundation of State Key Laboratory of Forest and Soil Ecology (LFSE2015-10) ¥ 50,000

2014.3-2017.2 Fundamental Research Funds for the Central Universities (2572014EA01-01) ¥ 64,000

2012.1-2014.12 Stem radial CO<sub>2</sub>conductance affects stem respiratory CO<sub>2</sub>fluxes .Natural ScienceFoundation of China(No. 31100284) ¥ 260,000

2011.6-2014.6 Fundamental Research Funds for the Central Universities (DL11BA10) ¥ 40,000

**PUBLICATION IN REFEREED JOURNALS**

1.X.W. Wang, Mao Z, Mcguire M A, et al. Stem radial CO<sub>2</sub> conductance affects stem respiratory CO<sub>2</sub> fluxes in ash and birch trees[J]. Journal of Forestry Research. 2019, 30(1): 21-29.

2.X.W. Wang, Zhao D, Liu G, et al. Additive tree biomass equations for *Betula platyphylla* Suk. plantations in Northeast China[J]. Annals of Forest Science. 2018, 75(2): 60.

3.Xiuwei Wang,Zijun Mao,M.A. McGuire,R.O. Teskey. Stem radial CO<sub>2</sub>conductance affects stem respiratory CO<sub>2</sub>fluxes in ash and birch trees. Journal of forest research (Accepted)

4.X. W. Wang, Y. H. Weng, G. F. Liu, et al. Variations in carbon concentration, sequestration and partitioning among *Betula platyphylla* provenances. Forest Ecology and Management. 2015, 358: 344-352.

5.Tao Sun, Zijun Mao, Lili Dong , Lingling Hou, Yuan Song ,Xiuwei Wang. Further evidence for slow decomposition of very fine roots using two methods: litterbags and intact cores. Plant and soil 2013, 366, 1-2, 633

6.Xi-yang Zhao, Xiu-yan Bian, Zhi-xin Li,Xiu-wei Wang, et al. Genetic stability analysis of introduced *Betula pendula*, *Betula kirghisorum*, and *Betula pubescens* families in saline-alkali soil of northeastern China. Scandinavian Journal of Forest Research.2014, 29( 7):639-649

7.X.-W. Wang, M. Zhao, Z.-J. Mao, S.-Y. Zhu and D.-L. Zhang, X.-Z. Zhao. Interaction of Elevated CO<sub>2</sub>and Temperature and Elevated Temperature Only Promote Photosynthesis of *Quercus mongolica* Fisch. Seedlings. Russian Journal of Plant Physiology.2008,55(1):54-58

8.Zi-Jun Mao, Yan-Jun Wang,Xiu-Wei Wang, Pavel. U. Voronin, Effect of Doubled CO<sub>2</sub>on Morphology: Inhibition of Stomata Development in Growing Birch (*Betula platyphylla*Suk.) Leaves. Russian Journal of Plant Physiology. 2005,52(2),P.171~175

9.Z.-J. Mao, Y.-J. Wang, Y.-G. Zhu,X.-W. Wang, Y.-F. Sun, B.-O. Zhou, and P. Yu. Voronin, Prolonged Growth of Young Spruce (*Picea koraiensis*Nakai) Plants at Double Atmospheric CO<sub>2</sub>Concentration Stimulates the Preferential Growth of Thick Roots Russian Journal of Plant Physiology. 2005, 52 (5): 741-746.

10.Xiu-Wei WANG, JIA Gui-Mei, MAO Zi-Jun, et al. Effect of NaCl tolerance on the photosynthetic physiology and growth of seedlings of three poplar clones. Bulletin of Botanical Research,2015,01:27-33. (In Chinese)

11.Xiu-wei WANG, Mao Zijun. CO<sub>2</sub>flux components and their contribution to stem respiration of larch. Bulletin of Botanical Research,2014,04:452-457+484. (In Chinese)

12.Xiu-wei WANG, MAO Zi-jun. Effects of Structure of Conducting Tissue on Sap Flow Density and Stem CO<sub>2</sub>efflux . Journal of Beijing Forestry University,2013,04:9-15. (In Chinese)

13.Xiu-wei WANG, MAO Zijun. Practicability of 7 Light Responsive Curve Models to Different Plant Species . Bulletin of Botanical Research,2009,01:43-48.(In Chinese)

14.Xiu-wei WANG, Mao Zijun, SUN Tao, WU Hai-Jun. Effects of stem temperature and sap flow density on stem CO<sub>2</sub>efflux of three tree species in spring and autumn in northeast China . Acta Ecologica Sinica,2011,12:3358-3367. (In Chinese)

15.Xiu-wei WANG, Mao Zijun. Temporal and spatial variation of canopy gas exchange of *Larix gmelini*plantation . Scientia Silvae Sinicae,2007,11:43-49. (In Chinese)

16.Xiu-wei WANG, MAO Zi-jun, CHOI Kyung, PARK Kwang-woo. Significance of the leaf epidermis fingerprint for taxonomy of *Genus Rhododendron*. Journal of Forestry Research, 2006,03:171-176+263. (In Chinese)

友情链接

—相关链接—

手机版

东北林业大学林学院 版权所有 地址: 中国 黑龙江省哈尔滨市香坊区和兴路26号 邮编: 150040



