

# Chunlin Song

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Birthplace: 10/08/1989, Ankang, Shaanxi, P. R. China

## EDUCATION

**09/15-present     Institute of Mountain Hazards and Environment, Chinese Academy of Sciences & University of Chinese Academy of Sciences**

PhD student of Physical Geography. Advisor: Prof. Genxu Wang

Dissertation Title: On the Relationships of Riverine Carbon and Hydrological Processes under Different Scales.

**09/13-08/15     Institute of Mountain Hazards and Environment, Chinese Academy of Sciences & University of Chinese Academy of Sciences**

Master program of Physical Geography. Advisor: Prof. Genxu Wang

**09/09-06/13     College of Water Resources and Hydropower, Sichuan University**

Bachelor of Engineering, major in Hydrology and Water Resources Engineering. Graduation thesis: Research on Ecological Water Requirement of Flower Lake Core Area in the Zoige Wetland

## PUBLICATIONS

### Peer-reviewed papers

**Chunlin Song**, Genxu Wang, Xiangyang Sun, Ruiying Chang, Tianxu Mao. Control factors and scale analysis of annual river water, sediments and carbon transport in China. *Scientific Reports* **6**, 25963; DOI: 10.1038/srep25963 (2016).

**SONG Chunlin**, SUN Xiangyang, WANG Genxu. A study on precipitation stable isotopes characteristics and vapor sources of the subalpine Gongga Mountain, China. *Resources and Environment in the Yangtze Basin*, 24, 1860-1869 (2015). (in Chinese with English Abstract)

**SONG Chunlin**, SUN Xiangyang, WANG Genxu. A review on carbon and water interactions of forest ecosystem and its impact factors. *Chinese Journal of Applied Ecology*, 26, 2891-2902 (2015). (in Chinese with English Abstract)

### Patents

**SONG Chunlin**, SUN Xiangyang, HU Zhaoyong, WANG Genxu. A vacuum porous core filter device. Chinese utility model patent (Issued No. ZL201520272366.4), 2015-09-16.

**SONG Chunlin**, WANG Genxu, SUN Xiangyang. A water surface greenhouse gas auto-sampler chamber. Chinese utility model patent (Issued No. ZL201620140461.3), 2016-07-15.

## AWARDS & HONORS

Director Scholarship of the Chengdu Branch of the Chinese Academy of Sciences, 2015 (1.7%)

National Scholarship for Master Students, 2014 (3%)

First-class Academic Scholarships, 2014 (6%)

“Three-good Student” Award of the Chinese Academy of Sciences, 2014, 2015, & 2016 (15%)

Sichuan University Excellent Graduation Thesis Award, 2013 (5%)

## EXPERIENCE

**Professor Genxu Wang, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences**  
**July 2014-Present**

**Research Assistant:** Preliminary study, field work, sampling campaign, data logging, sample analysis and data analysis for project “Three-River Headwaters Region Runoff Generation, Changing Mechanisms, and Permafrost Ecohydrological Processes Modelling”.

**Assistant Researcher Xiangyang Sun, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences**  
**August 2014-June 2015**

**Research Assistant:** Field work, water sampling campaign, sample analysis and data analysis for project “Seasonal Variations and Impact Factors of Organic Carbon Export in Small Alpine Forest Watershed”.

**Assistant Researcher Xiangyang Sun and Ruining Chang, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences**  
**Summer 2013 and Summer 2014**

**Science Research Volunteer:** Soil and plant sampling along elevation gradient in Mount Gongga, field equipment installation and maintenance, and related lab work at Alpine Ecosystem Observation and Experiment Station of Mount Gongga for two projects: “Water-carbon Interactions and Spatial-temporal Mechanisms of Dark Coniferous Forest Ecosystem in Southwest China” and “Mountain Forest Water-use Efficiency along Elevation Gradient in East Slope of Mount Gongga”.

**Institute of Mountain Hazards and Environment, Chinese Academy of Sciences & University of Chinese Academy of Sciences**  
**September 2013-June 2015**

**Leader of the Master Program Class:** In charge of financial affairs and organise class or institute events.

**Engineering Internship:** Comprehensively visit and learn about hydrologic and water resources engineering at Zipingpu Reservoir, Dujiangyan Project, and E'mei Mountain, Sichuan, China.

**Library Service Volunteer:** Provide services for the readers and organise library events at Sichuan University Library.

## PROFESSIONAL TRAINING

2016.4 Meta-analysis Workshop in Ecology and Conservation. Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences.

2014.5 Development of Data Acquisition and Flux Observation Technology Training Conference. TRUWEL TECHNOLOGY, Beijing.

## SKILLS

**Equipment:** vario TOC select TOC/TN Analyzer; Los Gatos Research DLT-100 Liquid Water Isotope Analyser; Eddy Covariance Systems; Campbell Scientific CR1000 dataloggers; LI-8150 Soil CO<sub>2</sub> Flux System

**Experimental:** Working knowledge in many field works related to hydrology and ecology

**Computer:** R, ArcGIS, MS Office, EndNote, macOS iWork, Adobe Photoshop, Adobe Illustrator, AutoCAD, HTML & CSS

**Language:** Chinese (native speaker), English (IELTS 6.5)

**Non-Experimental:** Amateur photographer; Build websites

## REFERENCES

### Genxu Wang

Professor of Institute of Mountain Hazards and Environment, Chinese Academy of Sciences.

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### Xiangyang Sun

Assistant Researcher of Institute of Mountain Hazards and Environment, Chinese Academy of Sciences.

Email: sunxiangyang@imde.ac.cn, Phone: 8613882135430

### Ruining Chang

Assistant Researcher of Institute of Mountain Hazards and Environment, Chinese Academy of Sciences.

Email: changruiying@imde.ac.cn, Phone: 8613882125578

**Caiyun Yao**

Graduate Office Director of Institute of Mountain Hazards and Environment, Chinese Academy of Sciences.

Email: cyyao@imde.ac.cn, Phone: 8602885233672