

Liyuan He

Ph.D. Candidate

Joint Doctoral Program of Ecology

San Diego State University & University of California, Davis

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EDUCATION

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|----------------|----------------------------------|-------------------------------------------------------------------------------|
| 2017.8-current | PhD Candidate | San Diego State University (SDSU) & University of California at Davis (UCD) |
| 2014.9-2017.6 | Master of Science in Ecology | Institute of Geographic Sciences and Natural Resources Research (IGSNRR), CAS |
| 2010.9-2014.7 | Bachelor of Agronomy in Forestry | Northeast Forestry University (NEFU) |

PROFESSIONAL EXPERIENCE

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|---------------|---------------------------------|
| 2019.6-2019.8 | Research assistant, SDSU |
| 2018.6-2018.8 | Research assistant, SDSU |
| 2014.9-2017.6 | Research assistant, IGSNRR, CAS |

PUBLICATION

1. Wang, Y., Yuan, F., Yuan, F., Gu, B., Hahn, M. S., Torn, M. S., Ricciuto, D. M., Kumar, J, **He, L.**, Zona, D., Lipson, D. A., Wagner, R., Oechel, W. C., Wullschleger, S. D., Thornton, P. E., Xu, X. (2019). Mechanistic Modeling of Microtopographic Impacts on CO₂ and CH₄ Fluxes in an Alaskan Tundra Ecosystem Using the CLM-Microbe Model. *Journal of Advances in Modeling Earth Systems*, 11. [https://doi.org/ 10.1029/2019MS001771](https://doi.org/10.1029/2019MS001771)
2. Gao, L., Tao, B., Miao, Y., Zhang, L., Song, X., Ren, W., **He, L.**, Xu, X. (2019). A global data set for economic losses of extreme hydrological events during 1960-2014. *Water Resources Research*, 55. <https://doi.org/10.1029/2019WR025135>
3. **He, Liyuan**, Hu, Zhongmin, Guo, Qun, Li, Shenggong, Bai, Wenming, Li, Linghao, Influence of nitrogen and phosphorus addition on the aboveground biomass in Inner Mongolia temperate steppe, China [J]. *Chinese Journal of Applied Ecology*, 2015, (08):2291-2297. (In Chinese)

HONORS & AWARDS

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| 2019.8 | Travel funding to attend CESM (Community Earth System Model) Tutorial Workshop, National Center for Atmospheric Research |
| 2016.12 | Second Class Scholarship for Outstanding Students, University of Chinese Academy of Sciences (UCAS) |
| 2015.12 | Second Class Scholarship for Outstanding Students, UCAS |

- 2014.12 First Class Scholarship for Outstanding Students, UCAS
- 2014.7 Outstanding Graduate Awards, NEFU
- 2013.12 Certification of Student Research Training Program, NEFU
- 2013.7 First Class Scholarship for Outstanding Students, NEFU
- 2013.7 First Class Scholarship for Outstanding Students, NEFU
- 2013.6 Outstanding Students in Summer Program, Sun Yat-sen University
- 2012.12 Outstanding Students in Summer Program, Institute of Atmospheric Physics, CAS
- 2012.12 National Scholarship, Ministry of Education of China
- 2012.7 First Class Scholarship for Outstanding Students, NEFU
- 2011.12 First Class Scholarship for Outstanding Students, NEFU
- 2011.12 National Scholarship for Encouragement, Ministry of Education of China
- 2011.7 Second Class Scholarship for Outstanding Students, NEFU
- 2010.12 First Class Scholarship for Outstanding Students, NEFU

PRESENTATION

1. **He Liyuan.** Difference in relationship between vegetation, soil C:N ratio and productivity at site and regional scales. 14th Ecology Conference of China. September 23-25, 2015. Chengdu, China.

PARTICIPATED PROJECTS

1. The relationship of terrestrial ecosystem carbon, nitrogen, and water flux and the environmental mechanisms in China (PI: Dr. Zhongmin Hu, IGSNRR, CAS)
2. Response of grassland ecosystem water use efficiency to altered precipitation regime (PI: Dr. Zhongmin Hu, IGSNRR, CAS)
3. Allopathy and its mechanisms of extract solution of *Pinus koraiensis* on *Betula platyphylla* (PI: Dr. Lixin Chen, NEFU)

OUTREACH & VOLUNTEER ACTIVITIES

1. Volunteer, Skype a Scientist, Video Demonstration Online (<https://www.skypeascientist.com>)
 2. Volunteer, Graduate Group of Ecology Exhibition on Picnic Day, April 13, 2019, UCD
 3. Volunteer, Demonstration of How to Make Cheese at Smythe Academy Science night, October 15, 2018, Sacramento primary school
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