

Shuai Li
Institute of Sustainability, Energy, and Biology
University of Illinois at Urbana-Champaign
147 ERML, 1201 W. Gregory Drive, Urbana, IL 61801

PROFESSIONAL POSITIONS

- 2018.4-present: Postdoctoral Research Associate, Institute of Sustainability, Energy, and Biology, University of Illinois at Urbana-Champaign, United States
- 2015.1-2018.2: Junior Researcher, Department of Plant Physiology, Institute of Agricultural and Environmental Sciences, Estonian University of Life Sciences, Estonia
- 2014.1-2014.12: Specialist, Department of Plant Physiology, Institute of Agricultural and Environmental Sciences, Estonian University of Life Sciences, Estonia

EDUCATION

- 2018.2: PhD in Department of Plant Physiology, Institute of Agricultural and Environmental Sciences, Estonian University of Life Sciences, Estonia, “Stress-Induced Biogenic Volatile Organic Compounds (BVOC) from Plant Leaves”, (supervisor: Prof. Dr. Ülo Niinemets)
- 2013.6: Master’s Degree of Natural Science in School of Life Sciences, University of Science and Technology of China, China, “The Heterogeneity of Structure and Function in Giant Leaves: the Hydraulic and Thermal Limitations on Leaf Size”, (supervisor: Prof. Dr. Kun-Fang Cao)
- 2009.7: Bachelor’s Degree of Science in Department of Biology, Dezhou University, China, “Effects of 5-Sulphur Base Salicylic Acid on Two Types of *Zea Mays* Seeds Germination and Seeding Growth Under NaCl Stress”, (supervisor: Prof. Dr. Zhong-Min Dai)

PROFESSIONAL EXPERIENCES

- 2016.9: Plant–Atmosphere Interactions in a Changing Climate at Department of Biological and Environmental Sciences (BioEnv) at the University of Gothenburg and the research school ClimBEco, Gothenburg, Sweden (supported by Estonian DoRa Plus Program scholarship, 1 week)
- 2016.3: Exchange study at Department of Lipid Biochemistry, Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw, Poland (referee: Prof. E. Swiezewska)
- 2016.2: Hands-on PTR-MS 2016 and the 2nd IONICON User Day at Ionicon Analytik GmbH, Innsbruck, Austria

- 2015.7: Flux Measurement Fundamentals at Institute of Meteorology and Climate Research Atmospheric Environmental Research (IMK-IFU), Karlsruhe Institute of Technology/Technology University of Munich, Germany (supported by Estonian DoRa Program scholarship, 1 week)
- 2015.4: Methods and Interpretations in Paleoclimate Research at University of Tartu, Estonia
- 2014.10: Training on methods of modeling for biologist in INRA-AgroParisTech Research Unit, France (supported by Estonian DoRa Program scholarship, 1 week)
- 2014.9: Consultation and field work in Chinese Botanical Gardens, China (supported by Estonian DoRa Program scholarship, 3 weeks)
- 2012.11-2013.2: Exchange study at Technology University of Dresden, Germany (supported by China Scholarship Council, 3 months, referees: Prof. C. Neinhuis, Dr. S. Wanke) and visit University of Hohenheim, Germany (supported by University of Hohenheim, 1 month)
- 2011.12-2012.2: Exchange study at Technology University of Dresden, Germany (supported by China Scholarship Council, 2 months, referees: Prof. C. Neinhuis, Dr. S. Wanke)
- 2010.7 - 2012.7: Conduct field experiments at Xishuangbanna Tropical Botanical Garden of the Chinese Academy of Sciences, Yunnan, China (Referee: Prof. K-F Cao)

PUBLICATIONS

8. **Li S**, Tosens T, Harley PC, Jiang Y, Kanagendran A, Grosberg M, Jaamets K, Niinemets Ü (2017) Glandular trichomes as a barrier against atmospheric oxidative stress: relationships with ozone uptake, leaf damage and emission of volatiles across a diverse set of species. *Plant, Cell & Environment* doi:10.1111/pce.13128.
7. Kanagendran A, Pazouki L, **Li S**, Niinemets Ü (2017) Regulation of stress volatile emission in ozone resistant *Nicotiana tabacum* cultivar through elicitation upon acute ozone exposure. *Journal of Experimental Botany* doi:10.1093/jxb/erx431.
6. Jiang Y, Ye J, **Li S**, Niinemets Ü (2017) Methyl jasmonate-induced emission of biogenic volatiles is biphasic in cucumber: a high-resolution analysis of dose dependence. *Journal of Experimental Botany* 68(16) 4679-4694.
5. **Li S**, Harley PC, Niinemets Ü (2017) Ozone-induced foliar damage and release of stress volatiles is highly dependent on stomatal openness and priming by low-level ozone exposure in *Phaseolus vulgaris*. *Plant, Cell & Environment* 40: 1984-2003.
4. Pazouki L, Kanagendran A, **Li S**, Kännaste A, Rajabi Memari H, Bichele R, Niinemets Ü (2016) Mono- and sesquiterpene release from tomato (*Solanum lycopersicum*) leaves upon

mild and severe heat stress and through recovery: from gene expression to emission responses. *Environmental and Experimental Botany* 132: 1-15.

3. Jiang Y, Ye J, **Li S**, Niinemets Ü (2016) Regulation of floral terpenoids emission and biosynthesis in sweet basil (*Ocimum basilicum*). *Journal of Plant Growth Regulation* 35(4): 921-935.
2. **Li S**, Cao K-F (2014). Heterogeneity of anatomical structure in giant leaves of *Musa balbisiana*. *Chinese Science Bulletin* (Chinese Version with English Abstract) 59: 522-528.
1. **Li S**, Zhang Y-J, Sack L, Scoffoni C, Ishida A, Chen Y-J, Cao K-F (2013). The heterogeneity and spatial patterning of structure and physiology across the leaf surface in giant leaves of *Alocasia macrorrhiza*. *PLoS ONE* 8(6): e66016.