

Li Shoujiao

Personal Information

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Work Address: Swedish University of Agricultural Sciences, 230 53 Alnarp, Skåne, Sweden
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Academic Education

Ph.D. Swedish University of Agricultural Sciences (SLU) 10/2020-10/2024
Faculty of Landscape Architecture, Horticulture and Crop Production Science; Department of Biosystems and Technology; Agricultural Science
Supervisors: Linda-Maria Dimitrova Mårtensson, Thomas Prade, Ana Barreiro, Pierre Chopin
M.Sc. China Agricultural University (CAU) 09/2016-06/2019
College of Animal Science and Technology; Forage and Grassland Science
Supervisor: Yingjun Zhang
Swedish University of Agricultural Sciences (SLU) 10/2017-10/2018
Joint Master Student, Department of Biosystems and Technology, Cropping System Ecology Group
Supervisors: Erik Steen Jensen, Linda-Maria Dimitrova Mårtensson
Scholarship: China Scholarship Council
B. Sc. China Agricultural University (CAU) 09/2012-06/2016
Bachelor of Agronomy, College of Animal Science and Technology, Major in Forage and Grassland Science
Bachelor of Arts, College of Humanities and Development Studies, English (Double Degree)
National Encouragement Scholarship 10/2015
Scholarship for Outstanding Students 10/2015
Scholarship for Academic Progress 10/2015

Research Projects

- Revealing the sustainability and ecosystem services delivered by cropping systems with perennial cereal grain crops 10/2020-10/2024
- Nitrogen fixation and transfer in intermediate wheatgrass/white clover mixed intercropping 10/2018-10/2019
- Interspecific interactions and nitrogen use in intermediate wheatgrass/alfalfa intercropping system 10/2017-10/2018
- The effect of Arbuscular Mycorrhizae fungi and rhizobium on nitrogen uptake and transfer in alfalfa and smooth brome grass intercropping 09/2017-09/2016

Research Achievements

Li, S.; Jensen, E.S.; Liu N.; Zhang, Y.; Mårtensson, L.-M.D. Species interactions and N resource use during early intercropping of intermediate wheatgrass with a white clover service crop. (Manuscript)
Li, S.; Barreiro, A.; Jensen, E.S.; Zhang, Y.; Mårtensson, L.-M.D. Early interspecific dynamics, dry matter production and nitrogen use in Kernza (*Thinopyrum intermedium*) – alfalfa (*Medicago sativa* L.) mixed intercropping. Acta Agric. Scand. Sect. B-Soil Plant Sci. 2019, 70, 165-175, doi:10.1080/09064710.2019.1686164.

- Li, S.** Interspecific interactions and nitrogen use in intermediate wheatgrass/alfalfa intercropping system. Master Thesis. 2019, China Agricultural University, Beijing, China.
- Mårtensson, L.-M.D.; **Li, S.**; Jensen, E.S. Agronomic performance and nitrogen acquisition by a sole and intercropped perennial grain crop (*Thinopyrum intermedium* L.) in Scandinavian organic farming. (Manuscript)
- Bi, Y.; Zhou, P.; **Li, S.**; Wei, Y.; Xiong, X.; Shi, Y.; Liu N.; Zhang, Y. Interspecific interactions contribute to higher forage yield and are affected by phosphorus application in a fully-mixed perennial legume and grass intercropping system. *Field Crops Res.* 2019, 244, 107636. doi: 10.1016/j.fcr.2019.107636
- Xue, Z.; Wang, Y.; Yang, H.; **Li, S.**; Zhang, Y. Silage Fermentation and In Vitro Degradation Characteristics of Orchardgrass and Alfalfa Intercrop Mixtures as Influenced by Forage Ratios and Nitrogen Fertilizing Levels. *Sustainability*, 2020, 12, 871. doi: 10.3390/su12030871
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Research Areas

Ecosystem Services, Sustainability Assessment, Perennial grain crops, Intercropping, Agroecology, Symbiotic N₂ Fixation in Legumes, Interspecific Competition, Stable Isotope Methodology.

Academic Conferences

The 7th National Congress of Mycology, Yichang City, Hubei Province, China. 2017/08/12-2017/08/15

Certificates and Skills

IELTS: 6.5; Double degree in English

Internship Experiences

Teaching Assistant of New Oriental Education and Technology Group	08/2019-11/2019
Tour guide of Sanyuan Agricultural Science and Technology Park	10/2019-11/2019

Personal Interests

Reading, Sports, Football, Jogging, Chess, Ukulele