Qianyao Si

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Address: 8308 Greenbelt Station Pkwy, Greenbelt, MD

Educational Background

- *2018-2020* University of Florida *Master of Science*
  Major: Soil and Water Science GPA: 3.83

- *2017-2018* University of Florida *Exchange student of National Outstanding Program*
  Major: Soil and Water Science GPA: 3.95

- *2014-2018* Shandong Agricultural University *Bachelor of Agriculture*
  Major: Forestry GPA: 3.93 (Ranking: 1/77)

Work Experience

- *2020.08-Present* **Dr. Ray Weil's Soil Quality Lab in Environment Science and Technology Department of University of Maryland**
  Research Assistant
  - Participating in the launch of the research project *Thriving Agricultural Systems in Urbanized Landscapes* issued by USDA
  - Coordinating and leading capstone research teams to carry out laboratory experiments and field surveys

- *2018.08-2020.08* **Urban Environmental Quality Lab in Soil and Water Science Department of University of Florida**
  Research Assistant
  - Organizing and assisting of the laboratory/field work
  - Running and troubleshooting Lachat/ AutoAnalyzer 3 chemistry analyzer
  - Conducting individual project of MS program: *The N Treatment in Different Hydrologic Conditions along the Sediment Gradient of Urban Stormwater Infiltration Basins*

- *2016.09 - 2016.12* **Lab of Dr.Yalin Sang in Forestry Department of SDAU**
  Volunteering experience
  - Assisting of the polar tissue culture experiments

- *2016.06 - 2016.08* **Jinan Municipal Environmental Protection Bureau**
  Division of Water Environment Protection Summer Intern
  - Helping to conduct GIS analysis using global and local geodatabases
  - Contributing content to Water Environment Protection blogs, publications, and fund-raising proposals

Publications

- Si, Q., Lusk, M. G., & Inglett, P. W. (2021). Inorganic Nitrogen Production and Removal along the Sediment Gradient of a Stormwater Infiltration Basin. Water, 13(3), 320. doi:10.3390/w1303032
- Oral presentation: How Do Urban Stormwater Infiltration Basins Treat Nitrogen Along a Hydrologic Flow Path Gradient?, of session of Sources, Transport and Management of Pollutants in Urban Stormwater Runoff of 2019 International SSSA Conference

Skills

- Statistics: R studio / Matlab software
- Geographics: Arc GIS
- Microsoft softwares

Honors & Awards

- 2020-2021 **Dean's Fellowship of academic year 2020-2021, University of Maryland**
- *2016-2017* **Top 100 College Students of Shandong Agricultural University**
- *May 2016* **The 2nd Prize in National English Competition for College Students**
- *2014/2015/2016* **The 2nd Prize Scholarship of Shandong Agricultural University**
- *2014-2015* **Excellent Student with Ai Lin Scholarship**

Standard Tests

GRE (2017) Verbal 155(69%) Quantitative167 (92%) Analytical Writing 4.0 (60%)

Referees

1. Dr. Mitchell Pavao-Zuckerman
Phone Number: +1 301-405-1178 E-mail Address: mpzucker@umd.edu
2. Dr. Ray Weil
Phone Number: +1 301 405 1314 Email Address: rweil@umd.edu
3. Dr. Mary Lusk
Phone Number: +1 813-757-2195 Email Address: mary.lusk@ufl.edu