

Xu Guan

SUMMARY OF QUALIFICATIONS

- Four years of experience with the statistical package SAS and one year with R
- Collected and analyzed biological data for a five-year international research project
- Experienced in website maintenance and basic computer programming

EDUCATION

Northern Arizona University, Flagstaff, AZ

Anticipated graduation: May 2014

- Master of Science, Statistics
- GPA of 3.67

Arizona State University, Tempe, AZ

August 2011

- Master of Science, Plant Biology
- GPA of 3.47

Inner Mongolia University, Hohhot, China

July 2002

- Bachelor of Science, Ecology
- GPA of 3.42

WORK EXPERIENCES

Graduate Teaching Assistant - Northern Arizona University, Flagstaff, AZ

August 2012 - present

- Deliver lectures to and evaluate the performance of over 50 students in MAT 100 courses
- Tutor students in the open lab hours to improve their understanding of course materials
- Maintain the normal function of the website for the courses

Graduate Research Assistant - Arizona State University, Tempe, AZ

August 2006 - August 2011

- Built a database for an international collaborative project, and coordinated the collaboration between Chinese and American members for the project
- Analyzed the data from the perspectives of geo-statistics and traditional statistics
- Completed thesis through doing this project

TECHNICAL SKILLS

- Statistics theory ANOVA, Regression analysis, Categorical data analysis, Experimental design, Multivariate analysis, Sampling
- Statistical packages Intermediate competency in SAS, SQL, and R
Basic competency in SPSS
- Computing platforms Macintosh and Windows
- Text formatting and office computing LaTeX, Word, Excel, Access, PowerPoint and Dreamweaver

PUBLICATIONS

- Xiao, H., Guan, X., and J. Wu. 2009. Affecting factors on citation frequency for papers - A comparison between journals at home and abroad. *Journal of Applied Ecology* 20: 1253-1262.
- Guan, X., J. Wu, Y. Bai, and X. Han. 2009. Biodiversity and ecosystem functioning: A review. In: J. Wu, J. Yang (eds.), *Lectures in Modern Ecology (IV): Theory and Applications*. Higher Education Press, Beijing.
- Guan, X., X. Han, J. Ge, and J. Wu. 2008. Net primary productivity of the *Leymus chinensis* steppe in Xilin river basin of Inner Mongolia and its response to global climate change. *Chinese Journal of Applied Ecology* 19(10): 2168-2176.
- Suo, A., W. Zhao, T. Wang, Guan, X., Y. Xiong, J. Ge. 2007. Spatial-temporal succession characteristics of soil and water loss in the central Loess Plateau during the last 50 years. *Journal of Beijing Forestry University*, 29(1): 90-97.

CONFERENCE PRESENTATIONS

- Presentation title: Spatial relationships among soil Nutrients, plant biodiversity and aboveground biomass in the Inner Mongolia Grassland, China. The 2010 US-IALE annual conference, Athens GA April 2010
- Presentation title: The variation of aboveground and belowground biomass under climate change in the future in Inner Mongolia Grassland, China. The 2007 US-IALE annual conference, Tucson AZ April 2007

PROFESSIONAL MEMBERSHIPS

- American Statistical Association 2012 - present
- US-International Association of Landscape Ecology (US-IALE) 2006 - 2011
- Ecology Society of America 2006 - 2010

HONORS AND AWARDS

- Travel award for the 2010 US-IALE annual conference, Athens, GA April 2010
- The third place of Young Ecologists elected by the committee of international young ecologist forum, Lanzhou, China June 2009