



Adel Ahmed Hassan Mohamed

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Personal Information

Name: Adel Ahmed Hassan Mohamed

Date of Birth: 01/13/1972

Marital Status: Married

Nationality: Egyptian

Education

Bachelor of Science, Botany, Minor: very good with honor 1994

Cairo University, Faculty of Science, Giza, Egypt.

Pursued Bachelor of Science Degree in Botany - Completed 4 year's coursework. Courses included: General Biology, General Chemistry, General physics, Statistics, Zoology, Plant physiology, plant taxonomy, plant geography, soil- plant relationships, virology, microbiology, and plant ecology

Premaster in Science 1997

Cairo University, Faculty of Science, Giza, Egypt.

Additional course work in Plant Ecology. Additional course work toward a Master of Science degree. Advanced courses in Plant vegetation, Plant-soil relationship, plant taxonomy, plant geography, and biostatistics. All courses are in English.

Master of Science, M.Sc. 2004

Cairo University, Faculty of Science, Giza, Egypt. Masters in Plant Ecology.

Graduate research project was entitled, "Habitat and Plant species diversity along the red sea coast in Egypt."

Doctor of Philosophy in Science Fall 2011

Colorado State University, Forest and Rangeland Stewardship, Fort Collins, Co, USA. Completed 74 credits in Plant ecology, GIS, Remote sensing, spatial statistics and related courses.

Graduate research project was entitled, "SPATIAL MODELING OF SITE PRODUCTIVITY AND PLANT SPECIES DIVERSITY USING REMOTE SENSING AND GEOGRAPHICAL INFORMATION SYSTEM".

Language

Arabic: Mother language

English: Fluent Spoken and Written

German: Good

Work History

English Teacher 1994 to 1997

High school, Ayaat, Giza, Egypt

[Teaching English as second language for middle and high school students]

Assistant Researcher 1997 to 2005

Desert Research Center, Cairo, Egypt

I worked for the Desert Research Center as Assistant Researcher in Plant Ecology and Plant physiology. I was responsible for analysis of plant and soil samples in the laboratory and characterize plant vegetation in the field. Desert Research Center is a scientific research center under the Ministry of Agriculture in Egypt

Researcher Associate 2005 to 2011

Desert Research Center, Cairo, Egypt

Participated in environmental studies and prepared environmental reports about plant vegetation for different areas in Egypt.

Teaching assistant 2008 to 2010

Soil and Crop Science, Colorado state university, Fort Collins, Co, USA

I was teaching assistant for precision agriculture program providing grading, lab, work for applications of GPS and GIS in Agriculture

Teaching assistant (English as Second Language) (Volunteer) 2010 to 2011

Poudre School District, Fort Collins, Co, USA

Teaching English for non-native English spoken kids and adults, Conversational English, Structure and Lessons

Manager Assistant (Customer Service) 2009 to 2010

Aggie Village, Housing Department, Colorado State University, Fort Collins, Co, USA

I was responsible for publishing Newsletters for residents, managing staff meetings, designing programs for residents

Office Assistant (Customer Service)

2009 to 2011

Aggie Village, Housing Department, Colorado State University, Fort Collins, Co USA

I was working in customer services of the front desk for helping residents with different housing issues

Researcher

Current

Desert Research Center, Cairo, Egypt

Participating in Vegetation map studies and desertification for different areas in Egypt.

Skills

- Application of GIS, Remote Sensing, spatial statistics for modeling plant diversity
- Excellent GIS and Remote Sensing Analyzer
- Ecological Data Processing
- Spatial Modeling of Productivity
- Large-scale Plant diversity and plant classification project design experience
- Ecological Assessment Methods
- Modeling Species Diversity
- Analysis of different Plant Vegetation data
- Statistical Modeling
- Experience in diagnostics and data analysis
- Excellent analytical and methodical skills
- Excellent R language user
- Technical Writing
- Proposal Writing
- Excellent written and verbal English skills
- Adaptability
- Good communication
- Independent and Team work
- Visual Basic Programming
- Excellent PC computer skills (ArcGIS – Erdas Imagine- MapInfo- SAS- R Language- Two Way Indicator Species Analysis (TWINSPAN)- Canonical Correspondence Analysis (CCA))

Awards and Scholarships

- PhD in Forest Science - Scholarship for PhD. USA, 2007 to 2011. This was a funded scholarship from Egypt to pursue PhD from USA

Publications

- "[Habitat and Plant Species diversity along the Red Sea Coast in Egypt]." [*Master thesis*]. Cairo University, May 2005
- "Classification and Ordination of plant species diversity along the Red Sea Coast in Egypt." [*Desert Research Journal, in press*]. [Cairo, Desert Research Center], September 2007
- "[SITE PRODUCTIVITY CURVES FOR THE DIVERSE FOREST TYPES OF JALISCO, MEXICO.]." December 2011. In preparation
- "[SPATIAL ESTIMATION OF SITE PRODUCTIVITY INDEX FOR THE SPECIES RICH FORESTS OF JALISCO, MEXICO USING ECOLOGICAL VARIABLES]." December 2011. In preparation
- "[SPATIAL MODELING OF SITE PRODUCTIVITY AND PLANT SPECIES DIVERSITY USING REMOTE SENSING AND GEOGRAPHICAL INFORMATION SYSTEM]." [Colorado state university], December 2011. PhD dissertation
- Adel Mohamed, Robin M. Reich, Raj Khosla, , C. Aguirre-Bravo and Martin Mendoza Briseño 2014. "Influence of climatic conditions, topography and soil attributes on the spatial distribution of site productivity index of the species rich forests of Jalisco, Mexico. *Journal of Forestry Research* (2014) 25(1): 87–95.

Certifications and workshops

- [ICDL] - [License of Computer Driving]. Egypt, 2006. This is a license for using Microsoft software (Word, Excel, PowerPoint, Access)
- International TOEFL - EMIDEST, 2007. English as second language
- Geospatial science - Colorado State University, 2010
- Short Course on Designing Natural Resource Monitoring Surveys - USGS. Fort Collins, Co, USA, 2009
- R Statistical Computing and Graphics - USGS. Fort Collins, Co, USA, 2010
- Team work, planning and organizing, AWATAD 2012.
- Seminars on grassland management ecological protection and management for developing countries, Hohhot, China May 2015.

Courses List

- official Transcripts upon request.