

Soil & Water Department  
Faculty of Agriculture  
Assiut University  
Assiut, Egypt



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### Dr. Ahmed Ghallab Mohamed Ibrahim Professor

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**Title:** Professor

**Department:** Soils & Water

**Major:** Soil Management, Land Reclamation, Irrigation Systems,  
Geographic Information Systems, and Remote Sensing

**Minor:** Soil Management

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#### **Scientific Transcript**

**B.S (1982) :** Faculty of Agric. , Assiut Univ. , Egypt

**M.S. (1988) :** Faculty of Agric. , Assiut Univ., Egypt

**Thesis Title :**“ Response of Some Varieties of Field Crops to  
Certain Soil Stresses”

**Ph.D. (1995) :** Channel System Program between  
Soils & Water Dep., Assiut University, Egypt  
and Dep. Of Agricultural Engineering,  
Macdonald Campus of McGill University,  
Montreal, Canada.

**Thesis Title :** “Management of Saline Groundwater  
for Irrigation in Upper Egypt”

## **Career Transcript**

- 1- (2007 till now): **Professor, Soils&Water Dep., Faculty of Agriculture, Assiut University, Egypt.**
- 2- (2002-2007): **Associate Prof., Soils&Water Dep., Faculty of Agriculture, Assiut University, Egypt.**
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- 4- (1995-2002) : **Lecturer, Soils&Water Dep., Faculty of Agriculture, Assiut University, Egypt.**
- 5- (1993-1994) : **T.A., Agri. En. Dep., Macdonald Campus, McGill University, Montreal, Canada.**
- 6- (1989-1992): **Assistant Lecturer, Soils&Water Departement, Faculty of Agriculture, Assiut University, Egypt.**
- 7- (1984-1988) : **Demonstrator, Soils&Water Departement, Faculty of Agriculture, Assiut University.**

## **Scientific Activities**

### **Scientific and Applied Research Activities:**

#### **Team member in the following projects:**

- 1- **Ground Water Resources: Evaluation and Management in Upper Egypt, Assiut University, Egypt, 1992-1996**
- 2- **Recycling the Drainage Water for Irrigation in the Western Desert of Egypt, New Valley Governorate, Egypt, 1993-1996..**
- 3- **Applying the Drip Fertigation Technique into the New Valley Governorate, Egypt, 1993-1997. The achievements of this work was 4 piolt farms: El-Kharga farm, El-Dakhla farm, Gharb – El Mowhoob farm , and El- Farafra farm.**
- 4- **Protecting El-Khartoum Village, at El-Kharga, New Valley Governorate, Egypt from Sand Dunes Movement. Project Funded by Ministry of International cooperation from 1998 to 2000.**
- 5- **Reclamation of 54 feddans and establishing a farm on Baghdad / Luxor Road at El-Kharga Oasis, New Valley, Egypt. Project Funded by Ministry of International Cooperation.**
- 6- **Soil Survey Project of Wadi El-Assiuti Soils. Assiut University, Assiut, Egypt, 1993-1996.**



- 7- **Ground Water Resources: Management and Use Evaluation in Wadi El Assiuty. Assiut University, Egypt.**
- 8-**Soil Survey Project of Wadi Quena. Assiut Univ., Assiut, Egypt, 1993-1997.**
- 9-**Soil Survey Project of Wadi El-Nuqra, Kom Ombo, Aswan. Assiut Univ., Assiut, Egypt, 1994-1997.**
- 10-**Soil Survey, Classification and Land Capability for Irrigation and Land Suitability for Crops for 30,000 feddans in the South Valley Touthka Project. Feb. 2000 - 2002.**
- 11- **Environmental Plan for Assiut Governorate, Egyptain Environmental Affairs Agency (EEAA) , Assiut Sector, Egypt, 2006.**
- 12- **A Strategy for New Valley Governorate Development, Center of Research and Studies of South Valley, Assiut University, Egypt, 2006.**
- 13- **A New Master of Science Programme Compatible to European Standards in ' Applied Environmental Geosciences and Water Resources Management', Tempus JEP-32005-200, Assiut University, Egypt.**
- 14-**Vice Director Continuous Improvement and Qualifying for Accreditation Project , (CIQAP) – Faculty of Agriculture, Assiut University.**
- 15- **Team member of preparing the strategy plan of Assiut University 2011-2016.**
- 16- **Management team of Higher education institutes labs certification / accreditation project**

### **Conferences, Scientific Meetings and Training**

- **International Drainage Course , Lethbridge. Alberta, Canada – 1993.**
- **Geographic Information System (GIS) Course, McGill University, Montereal, Canada –1994**
- **GIS Workshop, Ottawa, Canada -1994**
- **The Higher Studies and Researches for Developing South Valley. Assiut Univ., Workshop, Assiut, Egypt, March 2-3, 1997.**
- **Workshop on Agricultural Development Studies for South Valley, College of Agric., Assiut, Egypt, June 28, 1997.**

- Conference on Arabic waters and 21 century challenges. Assiut Univ., Egypt, 24-26 Nov., 1998.
- Training Course on Electron microscopy (Techniques & Interpretation), from 1 to 6 April, 2000 Assiut, Egypt.
- The First Symposium on Water Resources, Pollution and its Control Strategy. Assiut Univ., Assiut, Egypt, Feb. 24-25, 2001.
- The 23<sup>rd</sup> EARSeL Symposium on Remote Sensing in Transition), Gent, Belgium – 2003
- The Forth Scientific Conference of Agricultural Sciences, College of Agric., Assiut Univ., Assiut, Egypt, 2004.
- Workshop on : Applications of Geographic Information Systems"GIS" , February, 6-8, 2006, Aassiut University, Egypt
- Kuwait 1<sup>st</sup> International Remote Sensing Conference & Exhibition , 26–28 September 2005 Crown Plaza Hotel, Kuwait
- Workshop on: Application of Geographic Information System "GIS" Center of Research and Studies of South Valley, Assiut University, Egypt – 2006.
- A Training Course in: Remote sensing and geographic information systems and their application in geo-environmental sciences, land and water resources. Held at Department of Hydrology and Hydraulic Engineering, Virije University, Brussel, Belgium. 1-31/8/2007.

- دورة الحزم المتكاملة لمؤسسات التعليم العالي لتأهيل فرق إعداد الدراسات الذاتية وملفات الاعتماد في الفترة من ٢٠٠٩/٨/٩ حتى ٢٠٠٩/٨/١٩ بمركز التدريب وتطوير التعليم بكلية الطب جامعة عين شمس.

- دورة التقويم الذاتي المؤسسي لمؤسسات التعليم العالي في الفترة من ٢٠٠٩/١١/٧ حتى ٢٠٠٩/١١/١١.

- دورة المراجعة الخارجية لمؤسسات التعليم العالي في الفترة من ٢٠٠٩/١١/١٥ الي ٢٠٠٩/١١/١٩ بجامعة أسيوط.



- دورة نوانج التعلم وخرائط المنهج – تعليم عالي في الفترة من ٢٤ أكتوبر ٢٠١٠ الي ٢٨ أكتوبر ٢٠١٠ .

- الدورة المكثفة للمراجعين الخارجيين – مؤسسات التعليم العالي في الفترة من ١٤ ديسمبر ٢٠١٠ الي ١٦ ديسمبر ٢٠١٠ .

- دورة تدريبية حول الارتقاء بالمزارعين في التجمعات الزراعية الصغيرة في المناطق الريفية ، جيبوتي ، جمهورية جيبوتي ، في الفترة من ٢٤-٢٦ مايو ٢٠١٠ في إطار خطة الايسيسكو وبالتعاون مع اللجنة الوطنية الجيبوتية للتربية والثقافة والعلوم .

## Teaching

### University Teaching Activities:

1- Fundamentals of Soil Science Lab	Assiut Universit
2- Plant Nutrition Lab	Assiut University
3- Soil Reclamation Lab	Assiut University
4- Soil Chemistry Lab	Assiut University
5- Soil Fertility Lab	Assiut University
6 Fundamentals of Soil Science	Assiut University
7- Soil Chemistry	Assiut University
8- Land Reclamation	Assiut University
9-Irrigation Methods of Desert Soils	Assiut University
10-Analytical Chemistry	Assiut University
11-Geographic Information Systems (GIS)	Assiut University
12-Geographic Information Systems (GIS)	El- Minia University
13- Soil and Water Pollution	Assiut University
14- Water Quality and Irrigation Management	Assiut University
15- Fundamentals of Remote Sensing (RS)	Assiut University

### Membership

- 1- Assiut University Center for Environmental Study and Research
- 2- Assiut University Center for South Valley Development
- 3- Egyptian Soil Science Society
- 4- EARSeL ( Euro pain Association of Remote Sensing Laboratories)

### Selected Publications:

- 1- Gameh, M.A. ; Ghallab, A.; Abdelazez, S. H., and Ibrahim H. Baker. Reassessment of the ground water salinity in Sohag using GIS. The 5<sup>th</sup> Int. Conf. for Develop. And the Arab World, March,

21-23, 2010.

- 2- Youssef, A.M. and A.Ghallab (2007). Using remotely sensed data, GIS, and field investigation for preliminary consideration of sustainable development: West Qena area, Egypt. *Ass. Univ. Bull. Environ. Res.* Vol. 10 No. 2 :31-46.
- 3- Ghallab, A. and A.R. Usman (2007). Effect of sodium chloride-induced salinity on phyto-availability and speciation of Cd in soil solution. *Water Air Soil Pollut* (2007) 185:43-51.
- 4- Ghallab, A. and A.R Usman (2007). Impact of drip irrigation management on peanut cultivated in sandy calcareous soil. *Assiut J. Agric. Sci.* Vol. 38, No. 2. 2007.
- 5- El-Desoky, M.A., A.Ghallab, S.Eabel-Mawly and M.Y.M. Awad (2007). Mobility of Heavy Metals (Pb and Cu) in some contaminated Egyptian soils treated with certain organic materials. *Assiut J. Agric.* Vol. 38, No. 2. 2007.
- 6- Usman, R.A. and A.Ghallab (2006). Heavy-metal fractionation and distribution in soil profile short-term-irrigated with sewage wastewater. *Chemistry and Ecology.* Vol. 22, No. 4, August 2006, 267-278.
- 7- Ghallab, A. and A.M., Ali . (2005). Remote sensing and GIS approach for environmental changes monitoring and evaluation: A case study of Assiut governorate, Egypt. *Proceeding of the Kuwait first international remote sensing conference and exhibition, Kuwait, Sep. 26-28, 2005.*
- 8- Abd El-Aziz, S.H., E.M. Khalifa, A. Ghallab, and S.H. Selmy (2005). Mineralogical composition of some shale-derived soils in the New Valley, Egypt. *Assiut J. Agric. Sci.* Vol. 36. No. 4: 61-88.
- 9- Ghallab, A., E.M. Khalifa, S.H. Abd El-Aziz and S.A.H Selmy (2005). Land capability and classification of some shale-derived soils in the New Valley, Egypt. *Assiut. J. Agric. Sci.* Vol. 36 No. 4: 45-60.
- 10- Khalifa E.M., S.H Abd El-Aziz, A. Ghallab, and S.E. A. Negim (2004). Studies on some soils of the college of Agriculture farm at Sohag, /south Valley University. *Assiut J. Agri. Sci.* Vol. 34. No. 6 :109-130.



- 11-Abu Bakr, S.T. and A. Ghallab. (2003). Extraction of land use map under arid and semiarid conditions using frequency based-classifier. Proceeding of the 23<sup>rd</sup> EARSeL symposium on Remote Sensing in Transition. Ghent University , Belgum, 2-5 June 2003.
- 12-Ghallab, A. 2002. Pollution status of soils and plants around the factory of ferrosilicon alloys, Edfo, Aswan. Assiut University Bulletin For Environmental Researches, Vol. 5 No. 1, pp. 33-54
- 13-Abd El-Aziz, S.H. and A . Ghallab. 2002. Land classification , evaluation, and use of some soils in Atmur El-Nuqra valley, Kom Ombo, Aswan, Egypt. Assiut Journal of Agricultural Science, Vol. 33, No. 2, pp.221-239
- 14- El-Far, I.A., A. Ghallab and G.R. El Nagar. 2001. Nutrient contents and yield of Lupin as influenced by splitting NPK fertilizers in a clay soil. Assiut Journal of Agricultural Science, Vol. 32, No.2, pp.1-22
- 15-Ghallab, A. and I.N. Nassar. 2001. Effects of soil texture and pressure head on water and solute transport in highly saline and saline-sodic soils. Assiut Journal of Agricultural Science, Vol. 32, No. 3, pp. 39-60
- 16 - El- Desoky , M.A, A. Ghallab and E.A Teama. 2000. Efficient use and uptake of nitrogen for wheat yield in a clay soil in relation to split nitrogen application. Assiut J. Agric. Sci. 31(5): 151-167
- 17- El-Desoky, M.A. and A. Ghallab. 2000. Pollution impact on soils and plants in an industrial area near Assiut city. Assiut Univ. Bull. Environ. Res. Vol.3, No. 1:1-19.
- 18-Ghallab, A. and K.K. Attia. 1999. Effects of organic manuring and water table control on soluble salts and potassium status in two different soils of upper Egypt. Assiut J. Agric. Sci. 30(1) :85-101
- 19- Kamal K. Attia and A. Ghallab. 1998. Yield and zinc concentration of some wheat cultivars grown on newly reclaimed soils as influenced by different methods of Zn applications. Assiut Journal of Agricultural Science, Vol. 29, No. 5, pp. 71-83
- 20 - El-Desoky, M.A. and A. Ghallab. 1997. Changes in soil properties of certain part of Wadi- El Assiuti

induced by the 1994 torrent. Proceeding of the Scientific Conference of Agric. Sci. , Faculty of Agric. Assiut Uni., Assiut , December 13- 14 , 1997, Vol. 1:431-448.

- 21- Ghallab, A. , S.O. Prasher, and H.G. Hassanein. 1994. Soil salinity buildup in irrigated farmlands of upper Egypt. NABEC, the fifth annual north east Agricultural/ biological engineering conference, university of Guelph, Ontario, Canada.

### References Persons

- 1- Prof. Dr. Mohmed Abd El-Wahab Abu Nahoul  
Dean of Faculty of Agriculture, Assiut University, Egypt
- 2- Prof. Dr. Kamal Kamel Attia  
Vice Dean of Faculty of Agriculture, Assiut University, Egypt
- 3- Prof. Dr. Mohamed El - Desoky  
Head of Soil&Water Departement, Faculty of Agricultural, Assiut University, Egypt