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***Personal Data:***

**Full name: Ahmed Abdel-Fattah Ahmed Afifi**

**Family Name : AHMED AFIFI**

**First Name : AHMED**

**Nationality : Egyptian**

**Place of Birth: Cairo, Egypt**

**Date of Birth : 8/3/1969**

**Marital Status: Married**

**Home Address: 25 Farid shawki St., Bahtiem, Shoubra El-Khaima, ELkalyobia governorate, Egypt.**

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**Place of Work: National Research Center (NRC)**

**Department : Soils and Water Use**

**Occupation : Researcher**

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**Education:**

- **B.Sc. In soil science, Department of soil sciences, Faculty of Agriculture, Ain Shams University, Egypt (1990) with very good with honors degree.**

- **Complementary studies in science of Sahara, EREMOLOGY, University of Gent, Belgium, in September 1994**

- **M. Sc. in EREMOLOGY (desert sciences), ICE, University of Gent, Belgium (1995), *Thesis Title:* “geomorphological studies in wadi El-Arish area, Sinai, Egypt using remote sensing and GIS techniques”**

- **Doctor of soil Science (soil pedology), Faculty of Agriculture, Ain Shams University, in November 2007, *Thesis Title:* “Pedological studies on some wadies adjacent to Elba mountain south east of Egypt”**

**Languages:**

**Mother L. : Arabic**

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*Ahmed Abdel-Fattah Ahmed Afifi*

Second L. : English: Reading: V. Good, Writing: V. Good, Speaking: V. Good  
Third L. : French and Flemish: fair

### **Professional Membership:**

- Egyptian Soil Science Society.
- Young Researchers Society.
- Developing of Clean Farming Systems Society.

### **Teaching Courses:**

- EIA (Environmental Impact Assessment)
- GIS (Geographical information system)
- Remote sensing
- Desertification hazard

### **Research Interests:**

- Degradation and desertification processes.
- Environmental impact
- Spatial decision support system
- Mineral identification with Infrared spectroscopy application
- Remote sensing and GIS
- Soil pedology

### **Scientific activities:**

- Associate member of the research team to study desertification in Beheira governorate, Egypt. in the cooperative project between the National Authority for remote sensing and space sciences and the University of Gent, Belgium, 1991-1993. Under the supervision of Prof. Dr. Hussein Younis.
- Associate member of the research team in the Integrated Rural Development program for villages of Giza Governorate (study qualities of soil and water) National Research Center from 1991-1992.
- Associate member of the research team for studying the agricultural potentialities of the Sinai Peninsula in 1992. Under the supervision of Prof. Dr. Hussein Ahmed Younis.
- Associate member of the research team in the project of preparing Atlas to Sinai Peninsula in 1993, the principal promoter, Prof. Dr. Hussein Ahmed Younis.
- Associate member of the research team in the development project, appraisal systems factors affecting Egyptian soil degradation - National Research Center 1995-1998. A principal researcher. D. Gad Abdullah Abdullah.
- Associate member of the research team in the project “surveying and assessment of land and water resources of Umm Shehan village, northern Sinai, Egypt” National Research Center 1995-1998. A principal researcher. Prof. Dr. Fayez Hanna.
- Associate member of the research team in the project “agricultural potentialities of land resources of Halaib and Shalaten district southeast of Egypt” National

Research Center in collaboration with the Academy of Scientific Research and Technology 1996-1999. A principal supervisor Prof. Dr. Ahmed Safwat Alniklaoy.

➤ Associate Member of the research team “development and achieving a system for assessing factors of land degradation in the Nile valley” 1998-2001. A principal researcher. Prof. Dr. Abdullah Gad Abdullah.

➤ Associate member of the research team in the project “study the optimum use of land and water resources of wadi El-Amr, Sinai, Egypt” June 1997 A principal researcher. Prof. Dr. Mohamed Abd-Rahiem.

➤ Associate member of the research team in the project “studying the soil degradation process in the eastern Delta using remote sensing and GIS techniques” June 1997 a principal researcher. Prof. Dr. Abdullah Gad Abdullah.

➤ Member of the research team in the project of “assessment of environmental sensitivity index to desertification in Egypt” during the period 2007-2011.

➤ Member of the research team in the project of “building a digital land resource database for agricultural use in Egypt” during the period 2005-2011.

### **Scientific conferences and symposia:**

➤ Participating in conference studying the degradation of agricultural soils in Ismailia and Behaira governorates using remote sensing and GIS techniques in Cairo on 14 and Nov. 15, 1992.

➤ Sixth National Conference of the environmental researches “the development of the Egyptian desert environment” University of Ain Shams in the period from 7 to 9/11/1999.

➤ Participate in the Eighth National Conference of the Egyptian Society for Science under the title of (soil and water studies in sustainable farming systems) from 25 to Nov. 26, 2007 the main conference hall, Ministry of External Relations Department of Agriculture.

➤ Participating in conference studying the degradation of agricultural soils in Ismailia and Behaira governorates using remote sensing and GIS techniques in Cairo on 14 and Nov. 15, 1992.

➤ Sixth National Conference of the environmental researches “the development of the Egyptian desert environment” University of Ain Shams in the period from 7 to 9/11/1999.

➤ 6<sup>th</sup> National Congress of Egyptian Soil Science Society (ESSS) on Oct. 29-30, 2002, Cairo. Egypt.

➤ EARSAL Workshop on “Remote Sensing for Developing Countries” 26-29 September 2004. National Research Center, Cairo, Egypt.

➤ 1<sup>st</sup> International conference of Arab Conference of Soil and Water Management For Sustainable Agricultural Development “10-11 April 2007” (Conferences Hall, Faculty of Agriculture Mansoura University).

➤ 8<sup>th</sup> National Conference – Egyptian Soil Science Society (ESSS)- on “Soils and Water Studies in Sustainable Agriculture Systems” November, 25-26, 2007- in Egyptian International Center for Agriculture, Dokki, Cairo, Egypt.

- **4<sup>th</sup> International conference of Safe Agriculture Products for Health & Environment by Using Recent Technologies''5-6 May, 2008. National Research Centre, Cairo, Egypt.**
- **Fourth Saudi Science Conference, contribution of science faculties in the development process of KSA, March 21-24/ 2010.**
- **The 1<sup>th</sup> International Conference and exhibition on Sustainable Water Supply & Sanitation (SWSSC '10) held during 25-27 July 2010.**
- **The 9<sup>th</sup> national conference for soil sciences "Environmental Changes as related to soil Productivity in Egypt" 18-20/2010.**
- **The 4<sup>th</sup> International Conference on Water Resources and Arid Environments, 6-8/ 9/ 2010, KSA.**
- **The 5<sup>th</sup> Annual International Symposium on agriculture 16-19 July 2012 Athens, Greece.**
- **10<sup>th</sup> international conference of Egyptian soil science society (ESSS), 4<sup>th</sup> international conference of on farm irrigation and agro-climatology 5-8-Novamner, 2012, America, Alexandria, Egypt**

#### **Scientific tasks:**

**Legation to the National authority for Remote Sensing and space sciences in the period from January 1992 until September 1994 and from 2007 till now**

#### **Travel and scientific missions abroad:**

- **A candidate to the scientific degree in science from the University of Gent, Belgium, from 6/9/1993 until 1/10/1995.**
- **Scientific mission to Taiba university KSA to participate for the 4<sup>th</sup> international conference for faculty of sciences and presenting a paper in 2010**
- **A scientific mission to a prince Sultan Prize for water in Riyadh KSA to participate in the ICWR international conference for king Sauad university and presenting an oral paper in 2010**
- **A mission to Bologna Italy, to attain the steering committee of the Sirmed project**
- **Post Doctor trainee to the INRA Montpellier, France, from the French Embassy in Cairo for 6 months from 3/5/2011 till 30/11/2011**

### **Experiences and courses:**

Specialized courses for the use of computers, training center of the National Research Center from 10/9/1991 to 30/10/1991.

- Short course on remote sensing, geographic information systems, and digital image processing and interpretation, March 2004, Cairo, Egypt.
- Advanced courses in English language, training center of the National Research Center of 1/5/1991 to 30 / 7 / 1991.
- Training course in prevention and public health, training center of the National Research Center from 18/4/1992 to 23 / 4 / 1992.
- Training course in English ILTIS British cultural center in May 1996.
- Training course in the use of geographic information systems National Authority for remote sensing and space sciences.
- Experience in the field of digital interpretation of satellite images using various programs such as ILWIS - IDRISI - ENVI - ERDAS.
- Experience in the field of geographic information systems using various programs such as ARC-VIEW and ARC-GIS.
- Experience in the field of using geostatistics and modeling in soils territories.
- Experience in the field of expert systems and application programs such as Minikrol.

### **References:**

**Prof. Dr. Refat Abu-Youssif**

Head of Soil and water use department, National Research Center, Dokki, Giza, Egypt. [Refatay1@yahoo.com](mailto:Refatay1@yahoo.com)

**Prof. Dr. Abdallah Gad**

Head of Environmental Studies and Land Use Division, National Authority for Remote Sensing and Space Sciences (NARSS), 23, Josef Browns Tito, El-Nozha El-Gededa, Cairo, Egypt, P.Box 1564-Alf Maskan. [abdallagad1@gmail.com](mailto:abdallagad1@gmail.com)