

# **Dr. Abeer Ahmed Mohamed Hedia**

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## **Curriculum Vitae**

Place of birth: Alexandria

Nationality: Egyptian

Sex: Female

Marital Status: Married

Language Known: Arabic and English

### **~ Education**

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❖ 1999 – 2003      **B.Sc : Bachelor of Agriculture from University of Alexandria**  
**Faculty of Agriculture Department of Agriculture Engineering**

**Graduation Project Title: The Effects of Soil Characteristics on Tractor Knife.**

**Project Degree: Excellent**

**Graduation Degree: High Good (74.35 %).**

❖ 2004 – 2012      **M.Sc : Master of Agricultural Sciences in Agricultural and Bio**  
**Systems Engineering.**

**Thesis Title: Validation and Utilization of the Soil Conservation Services      (SCS)**  
**Furrow Irrigation Design Method**

**Master Degree: Very Good**

**❖ 2014 – 2018      Ph.D : Doctor of Philosophy in Agricultural Sciences in  
Agricultural Engineering**

**Thesis Title: Modeling Spatial Distribution in Sprinkler Irrigation Systems**

**GPA: 3.566 from 4**

## **~ Duplicated Researches**

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- **Simulating the Overlapping Patterns of Irrigation Sprinklers Using Computer Model.**

(J.Soil Sci. and Agric. Eng., Mansoura Univ., Vol. 8 (10): 497 - 508, 2017)

**Authors: Abd El Mageed, H. N.; M. M. Ibrahim; H. M. Abd El Mageed and Abeer A. Hedia**

- **Validation and Utilization of the Soil Conservation Services (SCS) for Furrow Irrigation Design Method.**

(Asian Journal of Science and Technology, Vol. 5 (12): 745 - 754, 2014)

**Authors: Samir M. Ismail, Tarek K. Zin El-Abedin, Abd-Allah Zein El-Din and Abeer Hedia.**

## **~ Intellectual property, Innovation or patent**

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 **EGY/SCS Program (2012)**

 **HEDIA Computer Model Version 1 (2019)**

 **Innovation solutions for challenges facing agriculture and livestock in Egypt (2020)**

## **~ Training Courses**

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 **The Test of English Language Proficiency (TELP) equivalent to TOEFL with Score of 580**

 **ICDL Certificate**

 **AutoCAD Design 2D**

 **AutoCAD Design 3D**

 **Visual Basic**

-  **MATLAB**
-  **3DS MAX**
-  **Windows**
-  **Total Station and Level**
-  **Basic Skills Development Program in Information Technology**
-  **Rural Development and Computer (Internet Web Design)**
-  **Advanced Cotton Sorting and Arouting**
-  **Applied Science for Sorting, Arouting and Cotton Trade**
-  **Hunter Irrigation Design Training Program 2020.**
-  **Operation and Maintenance of Modern Irrigation Systems (TCP/EGY/3604) from FAO, United Nations Educational, Scientific and Cultural Organization with RCTW, 2019.**
-  **Attended China International Agricultural Machinery Exhibition 2019.**
-  **Attended Rain bird workshop, 2020.**
-  **Operation and Maintenance of Small-Scale Agricultural Machinery for Developing Countries in Chinese academy of Agricultural Mechanization Sciences from 16th, 2019 to November 29th, 2019 in Beijing, the people's republic of China.**
-  **Attended Hunter workshop, 2020.**
-  **Hunter University - Technician Certificate.**
-  **Hunter University - Specialist - I-Core Certificate.**
-  **Hunter University - Specialist - Hydra wise Certificate.**
-  **Hunter University - Specialist - ACC Certificate.**
-  **Hunter University - S.T.A.R. Distributors Certificate.**
-  **Hunter University - Irrigation Design Certificate.**
-  **Attended Workshop of Albeit Almasry Company for Landscape 2020.**
-  **Attended the Tanta university fourth international environmental forum 2020.**
-  **Attended the Webinar of USAID and USA on Electro Catalytic Destruction of Perfluoroalkyl Substances 2020.**
-  **Attended the Webinar of USAID and USA on Exam Assessment Tools: Best Practices 2020.**

-  **Attended Roof Planting and hydroponic training course 2021.**
-  **International Training Course on Operation & Maintenance of Small-Scale Agricultural Machinery for Countries and Regions Along the Belt and Road from June 20 to July 2021, at Chinese Academy of Agricultural Mechanization Sciences (CAAMS). Department Of International Cooperation Ministry Of Science And Technology The People's Republic Of China July 2021.**
-  **International Training Course on Agro-Processing and Food Engineering for Developing Countries” sponsored by the Ministry of Commerce and organized by Chinese Academy of Agricultural Mechanization Sciences from July 28th 2021 to August 17th 2021 in Beijing, the People's Republic of China. Ministry of Commerce People's Republic of China August 17th, 2021.**
-  **International Training Course on Technology of Agricultural Water Conservancy Automation and Irrigation for Developing Countries August 26 to September 24, 2021 in Beijing, the People's Republic of China. Ministry of Commerce People's Republic of China, 2021.**
-  **Training Course in Introduction in IOT Internet of Things. ITI Platform. Mahara Tech. Verification Code : 2J4HChlMgX.**
-  **Training Course in IoT Applications Development using MasterOfThings platform. ITI Platform. Mahara Tech. Verification Code : udaJiGLGdE**
-  **Training Course in IoT by EME Innovation Hub, 2021.**
-  **Training Course in Business Model Canvas by EME Innovation Hub, 2021.**
-  **Attend the fourth international environmental forum 10-12 march, 200-Alexandria Egypt.**
-  **Provider: Center of Excellence for Water and AUC Titel: professional certification program  
(selection, design, construction, and operation of sustainable irrigation systems)**
-  **Provider: Center of Excellence for Water and AUC  
Titel: professional certification program  
(Solar Water Pumping And Heating)**

## ~ Summary of Experience

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❖ **January 2005 – 1 Mars 2007**

**AutoCAD and Mat Lab Design Engineering in Engineering Office for the  
Design, Manufacture and Installation of Dairy Equipment**

❖ **February 2014 Until 2022**

**Agricultural Engineer at the Department of Irrigation and Drainage in  
Agricultural Engineering Institute of Agricultural Research Center.**

❖ **October 2022 Until now**

**Lecturer of Tractor and Agricultural Equipment Technology, Faculty of  
Industrial and Energy Technology, Borg Al Arab Technological University.**