

# Esraa Gamal Mohamed Saber

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## **EDUCATION**

### **September 2023 – 2026 (It is expected to end).**

Doctor of Philosophy Degree in Agricultural Engineering (Renewable Energy), Faculty of Technology and Development, Zagazig University, Egypt.

Thesis: “Utilization of Nanomaterials for Maximizing Biogas Production from Some Agricultural Residues”.

### **June 2022.**

Master of Science in Agricultural Engineering (Renewable Energy), Faculty of Technology and Development, Zagazig University, Egypt.

**Grade: Excellent (92%).**     **Thesis:** “Effect of Some Engineering Factors on Biogas Production”.

### **May 2017.**

Bachelor’s degree in water and soil science technology, Faculty of Technology and Development, Zagazig University, Egypt.

**GPA: 3.53 (Excellent with honor degree).**

## **WORK EXPERIENCE**

### **September 2022 – present.**

Career Development Specialist (CDS).

University Center for Career Development (UCCD)- Zagazig University- Faculty of Engineering, Support by The American University in Cairo (AUC) - U.S. Agency for International Development (USAID).

#### **Achievements/Tasks:**

- ✚ Conducting interviews to select the students who will take the courses and workshops offered by UCCD in Zagazig University.
- ✚ Do Resume Critique in one-to-one sessions.
- ✚ Conducting mock interviews in one-to-one sessions for students before main interviews.
- ✚ Assist students in career planning after graduation.
- ✚ Conducting workshops Sessions for students in (Career Planning - Resume Writing - Job Search - Interviewing skills).
- ✚ Preparing with team for Job fair and round table sessions and preparing more than 1,000 students annually.
- ✚ Providing services to more than 2600 students through Resume critic and mock interviews.

### **Jan 2018-2022.**

#### **Teaching assistant**

The Department of Water and Soil Science - Faculty of Technology and Development - Zagazig University - Egypt.

## **Jun 2022-present**

### **Assistant Lecturer**

The Department of Water and Soil Science - Faculty of Technology and Development - Zagazig University - Egypt.

Achievements/Tasks:

**Teaching Courses** (Principles of Mathematics and Statistics - Physics and Meteorology - New and Renewable Energy - Agricultural Machinery Engineering - Agricultural Engineering - Machines for Reclamation, Cultivation and Soil Improvement - Agricultural Products Manufacturing Engineering).

- ✚ Lead student groups in presentation work.
- ✚ Conducting practical tests.
- ✚ Conducting assessments and evaluation for students before final exams.
- ✚ Assisting the professor in directing and assisting students in their graduation projects.
- ✚ Assisting in the work of the examination committees and the examination supervision of the students.
- ✚ Providing teaching services to + 1200 students.
- ✚ Assist the professor in directing and assisting students in their graduation projects.
- ✚ Participation in organizing academic conferences and seminars for the faculty.

### **INTERNSHIPS**

#### **September 2016 - Jan 2017.**

**Trainee**, Gemmayzeh Agricultural Research Station - Agricultural Research Center - Ministry of Agriculture and Land Reclamation – Egypt.

- ✚ Oversaw the automatic harvest of the rice crop.
- ✚ Assessed the level of mechanical cultivation and harvest.
- ✚ Following up the process of receiving, grading, and grading the harvest to get it ready for export.
- ✚ Participated in the compost production process and assessed its quality.

#### **July 2016 - August 2016.**

**Trainee**, at Water Management Research Institute - National Water Research Center - Egypt.

- ✚ Managed the farm's irrigation systems.
- ✚ Assessed the quality of different irrigation systems.
- ✚ Estimating the water needs of different plants.
- ✚ Design and construction of a hydroponic unit.

#### **July 2015 - August 2015.**

**Trainee**, Central Laboratory of Soil- Food and Feed at Zagazig University-Egypt.

- ✚ Oversaw the process of receiving samples for analysis.
- ✚ Measurement of nutrients in the various samples (Soil, Human Food, and Livestock).
- ✚ Monitoring elements of pollution in drinking water and treating water.

### **PUBLICATIONS**

**Esraa Sharaby, El-Hadidi, Y., & El-Hanafy, E. (2021). EFFECT OF DIFFERENT STIRRING SPEEDS AND DIGESTION MIXTURES ON BIOGAS PRODUCTION. Journal of Productivity and Development, 26(4), 939-953.**

### **CERTIFICATES**

**April 2024.**

Employability Skills Track Training Certificate - Aspire Training Solutions-Egypt.

**March 2024.**

Ethics of scientific research Training Certificate.

Faculty and Leadership Development Center – Zagazig University- Egypt.

**Jan 2024.**

Teaching skills and methods for different preparations Training Certificate.

Faculty and Leadership Development Center – Zagazig University- Egypt.

**Jan 2024.**

Teaching skills and methods for different preparations Training Certificate.

Faculty and Leadership Development Center – Zagazig University- Egypt.

**May 2023.**

Facilitating Career Development Training Certificate.

National Career Development Association (NCDA) – The American University in Cairo.

**April 2023.**

Attending a training course for members of Egypt's Youth Entity – Egypt.

It covered a wide range of subjects, such as the fundamentals of management, the importance of civil society, the effective role of volunteer youth, the contribution of youth in supporting the national economy and mechanisms for dealing with social media.

**December 2022.**

Professional Trainer Training Certificate (TOT) – School of Continuing Education - The American University in Cairo.

Certificate of Appreciation for participating in the Conference as Organizer of Faculty of Technology and Development - Zagazig University- Egypt.

**EXTRA CURRICULAR ACTIVITY**

**Feb 2024- Present.**

**Member of the graduating unit.**

Faculty of Technology &Development – Zagazig University - Egypt.

Communicate with college graduates and conduct questionnaires to determine the number of working graduates and find out their recommendations for developing curricula to keep pace with the labor market.

**2022 – September 2022.**

**Volunteering.**

University Center for Career Development (UCCD)- Zagazig University- Faculty of Engineering, Support by The American University in Cairo (AUC) - U.S. Agency for International Development (USAID).

**March 2020 – Present.**

**Member of the support team.**

Faculty of Technology &Development – Zagazig University - Egypt.

Academic supervision of the electronic registration of students' subjects, supervising student groups and uploading the scientific material to the students' website, guiding students, and teaching them how to use the website.

**SKILLS**

**Language**

Arabic mother tongue, Excellent in English

**Computer**

Professional in Microsoft Word, Excel, Power Point, and Outlook.

**INTERESTS**

**Hobbies**

Reading books and novels.