

Asmaa Ahmed Abde El Magied Ahmed Sharf El-Din

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CURRENT POSITION

2023 - Present – lecturer, Agriculture Botany Department, Ain Shams University.

EDUCATION

Ph.D. Plant Physiology. Dept. of Agriculture Botany, University Ain Shams, Egypt. 2023

Thesis: Effect of Nanoparticles on mitigating drought stress in Maize.

Under the supervision of:

Dr. Sanaa Abdel-Rahman Mostafa Zaghlool

Prof. of Plant Physiology, Department of Agricultural Botany, Faculty of Agriculture, Ain Shams University (Principal Supervisor).

Dr. Amal Mohamed El shrai

Prof. of Plant Physiology, Department of Agricultural Botany, Faculty of Agriculture, Ain Shams University.

Dr. Mohammad Ahmad Mostafa Ahmad Eissa

Lecturer of Plant Physiology, Department of Agricultural Botany, Faculty of Agriculture, Ain Shams University.

M.A. of Agricultural Science (Plant Physiology). Dept. of Agriculture Botany, University Ain Shams, Egypt. 2017

Thesis: Improving growth and production of watermelon plant under salt stress using grafting and some bioregulators.

Under the supervision of:

Dr. Sanaa Abdel-Rahman Mostafa Zaghlool

Prof. of Plant Physiology, Department of Agricultural Botany, Faculty of Agriculture, Ain Shams University (Principal Supervisor).

Dr. Amal Mohamed El shrai

Prof. of Plant Physiology, Department of Agricultural Botany, Faculty of Agriculture, Ain Shams University.

Dr. Mohammad Ahmad Mostafa Ahmad Eissa

Lecturer of Plant Physiology, Department of Agricultural Botany, Faculty of Agriculture, Ain Shams University.

B.A. plant production, Ain Shams University 2011
Very good with honors

ACADEMIC EMPLOYMENT

2023 - Present – lecturer, Dept. of Agriculture Botany, University Ain Shams, Egypt

2018 - 2023 – Teaching assistant, Dept. of Agriculture Botany, University Ain Shams, Egypt.

2012 - 2017 – Demonstrator, Dept. of Agriculture Botany, University Ain Shams, Egypt.

PUBLICATIONS

2024 - “Gamma-Aminobutyric Acid (GABA) as a Defense Booster for Wheat against Leaf Rust Pathogen (*Puccinia triticina*)”

<https://www.mdpi.com/2223-7747/13/19/2792>

2023 - “Response of Maize Seedlings to Silicon Dioxide Nanoparticles (SiO₂NPs) under Drought Stress”

<https://www.mdpi.com/2223-7747/12/14/2592>

2019 - “Enhancement of salt tolerance in watermelon using grafting”

This study was published in the university journal

Book Chapters

2025- “[Advances in Jasmine \(*Jasminum* spp.\) Cultivation: Molecular Breeding, Tissue Culture, and Bioinformatics](#)” *Title of Book* Breeding of Ornamental Crops: Potted Plants and Shrubs. Advances in Plant Breeding Strategies. Ed. Name. Publisher: Springer, Cham. Pages 497-533.

AWARDS AND HONOURS

2018 - Best Master's Thesis, Agricultural Professions Syndicate (Award shield)

TEACHING EXPERIENCE

University Ain Shams

Undergraduate courses

Plant Physiology. Faculty of Agriculture (first semester 2014 -2022)

Plant Physiology for new programme. Faculty of Agriculture (second semester 2021-2022)

General plant. Faculty of Agriculture (first semester 2014 -2023)

General plant for new programme. Faculty of Agriculture (first semester 2017-2022)

Combating desertification through plants. Faculty of Agriculture (second semester 2024-2025)

Biology. Faculty of Veterinary (first semester 2024)

Graduate courses

The physiological effect of environmental pollution. Faculty of Agriculture (second semester 2024-2025)