

# Ahmed A.A. Elsisí

## Contact Information

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## Education

<b>Doctor of Philosophy, Plant Pathology</b> Benha University, <i>Moshtohor</i> , Qaluobeya, <i>Egypt</i>	<b>2013</b>
<b>Master of Science, Plant Pathology</b> Benha University, <i>Moshtohor</i> , Qaluobeya, <i>Egypt</i>	<b>2007</b>
<b>Bachelor of Science, Plant Pathology</b> Zagazig University Benha Branch, <i>Moshtohor</i> , Qaluobeya, <i>Egypt</i>	<b>2003</b>

## Professional Career History

<b>Associate Professor</b> (full time) <i>Plant Pathology Department</i> <i>Faculty of Agriculture, Benha University, Qaluobeya, Egypt.</i>	<b>2021 - present</b>
<b>Lecturer</b> (full time) <i>Plant Pathology Department</i> <i>Faculty of Agriculture, Benha University, Qaluobeya, Egypt.</i>	<b>2014 - 2021</b>
<b>Assistant Lecturer of Plant Pathology</b> (full time) <i>Faculty of Agriculture, Benha University, Qaluobeya, Egypt.</i>	<b>2007 – 2014</b>
<b>Instructor of Plant Pathology</b> (full time) <i>Faculty of Agriculture, Benha University, Qaluobeya, Egypt.</i>	<b>2004-2007</b>

## Top Skills

University teaching, Lecturing, E-learning, Higher education, Qualitative research.

## RESEARCH FOCUS

Agriculture economic | Plant pathology | Nanotechnology | Biotechnology | Biological control

## Expertise and Interests

### I. Research

**Biology of fungal pathogens;** Isolation and identification of fungal and bacterial plant pathogens, Molecular identification of fungi.

**Host-pathogen interaction;** Light and fluorescence microscopy, Developing lab, greenhouse and field bioassays for testing plant disease resistance and virulence of plant pathogens.

### II. Teaching

#### Courses taught:

**Undergraduate:** Fundamentals of Microbiology, Fundamentals of Plant Pathology, Taxonomy of Fungi, Physiology of Fungi, Diseases of Fruit Trees, Diseases of Vegetable and Ornamental Plants, Diseases of Field Crops, Postharvest Diseases, Non-infectious Plant Diseases, Plant Disease Diagnostics, Plant Disease Biotechnology, Biosafety.

**Graduate:** Virology, Plant Disease Diagnostics, Plant Pathology and Biotechnology, Advances in Plant Pathology, Diseases of Field Crops (advanced).

**\*Capable of** teaching other courses related to classic and modern plant pathology, microbiology and molecular biology.

## Honors, Awards and Scholarships

- Best Ph.D. Dissertation in Plant Pathology, Agricultural Syndicate – 2015
- University Award for International Publication – July 2019
- University Award for International Publication – January 2021

## Publications

- Abdelbaset, T. E., Sakr, K. I., Al Shorbagy, A. E., & Elsisi, A. A. (2023). Combination of cold therapy and chemotherapy for eradication of Citrus exocortis viroid. *Journal of Plant Protection and Pathology*, 14(6), 187-194.
- Ahmed, G. A., & Elsisi, A. A. (2020). Efficacy of Compost and Some Essential Oils Alone or in Combination in Controlling Cucumber White Mould Disease Under Protected House Conditions. *Journal of Plant Protection and Pathology*, 11(6), 291-297.
- Ahmed, G. A., El-Sisi, A. A., & Selim, M. E. (2021). Gc-ms analysis of three plants essential oils and their effect on bacterial spot disease of tomato. *Menoufia Journal of Plant Protection*, 6(6), 27-41.
- Doshtor, E. A., Abdel-Mageed, M. H., Abd-El-latif, F. M., Elsisi, A. A., & Shoala, T. (2022). Impact of different materials in the normal and nanoform on the enzyme activities of infected potato plants with pathogenic bacteria *Pectobacterium* spp. *Int. J. Sci. Res. Sustain. Dev.*, 5, 1-21.
- Eisa Nawal, A., Mahdy, A. M., El-Habbab, G. M., Abdel-Ghafar, N. Y., & El-Sisi, A. A. (2007). Bacterial canker disease caused by *Pseudomonas syringae* Van Hall. in some Egyptian orchards. *Egyptian phytopathological Society 11th conference*, 2007.

- El-Garhy, H. A., Elsisi, A. A., Mohamed, S. A., Morsy, O. M., Osman, G., & Abdel-Rahman, F. A. (2020). Transcriptomic changes in green bean pods against grey mould and white rot diseases via field application of chemical elicitor nanoparticles. *IET nanobiotechnology*, 14(7), 574-583.
- Elsisi, A. (2017). Role of Antibiosis in Control of Cabbage Black Rot Caused by *Xanthomonas campestris* pv. *campestris*. *Egyptian Journal of Phytopathology*, 45(2), 165-181.
- Elsisi, A. A. (2019). Bacterial blight disease caused by *Pseudomonas cichorii* on chrysanthemum in Egypt. *Journal of Phytopathology and Pest Management*, 11-23.
- Elsisi, A. A. (2019). Evaluation of biological control agents for managing squash powdery mildew under greenhouse conditions. *Egyptian Journal of Biological Pest Control*, 29(1), 89.
- Elsisi, A. A., & Shams, A. S. (2019). Controlling of Artichoke powdery mildew and improving Vegetative growth and yield productivity by using D1- $\beta$ -aminobutyric acid (BABA) with some natural essential oils. *Sciences*, 9(02), 443-455.
- Ismail, A.I., F.G. Mohamed, M.H. Mohamed, A.A Dieb, S.M. and Elsisi, A. A. (2023). Using some fungicide- alternatives to control late wilt of maize and improve its growth. *Annals of Agricultural Science*, Moshtohor, 61(2), 471-484.
- Mahdy, A. M., Eissa, N. A., El-Habbaa, G. M., & El-Sisi, A. A. (2014). RAPD-PCR technique for detecting the DNA-polymorphism among some *Xanthomonas campestris* isolates causing mango canker disease in Egypt. 2nd international conference on biotechnology applications in agriculture (ICBAA) 2014.
- Serag, A. M., Salim, T. M., Farid, M. A., & Elsisi, A. A. (2020). Molecular Characteristics of Ten *Ralstonia solanacearum* Strains of Brown Rot Disease in Potato from three Governorates in Egypt. *Journal of Agricultural Chemistry and Biotechnology*, 11(1), 29-37.

#### **Memberships & Affiliations**

- Member, Egyptian Phytopathological Society
- Member, Egyptian Society for Applied Plant Sciences
- Member, Agricultural Syndicate
- Member, Benha University Faculty Club
- Benha University Alumni Association (Board Member)

#### **Social Involvement and Community Service**

Participation in agricultural convoys to rural areas in Qalyubia Governorate (2014–2019)

Academic advisor for Plant Pathology students (2014- present)

Coordinator for IT Unit, e-Learning Programs, and Safety Procedures – Plant Pathology Dept.

#### **Conferences & Workshops Attended**

Over 40 conferences and workshops attended locally and internationally between 2007–2020 in areas of plant pathology, nanotechnology, biotechnology, research methods, and e-learning.

#### **Training Courses & Certificates**

University Teaching Preparation Course, Faculty of Education, Benha University

Faculty and Leadership Development Project (FLDP): Scientific Research Methods, Communication, Ethics, Legal Aspects, Strategic Planning, Academic Advising, e-Learning, SPSS

Training in Quality Assurance and Accreditation Standards

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**Funded Research Projects**

Principal Investigator of the project “Evaluation of fungicides for cucurbit diseases control (except cucumber)” – 2017 – present.