Benha University

Faculty of Agriculture
Department of Plant Pathology

Curriculum Vitae
of

Doctor. Gamal Ashour Ahmed Mohamed
Professor of plant Pathology

Name:	**Gamal Ashour Ahmed Mohamed**
Date of Birth:	October, 3rd, 1976
Academic Status:	Professor of plant Pathology, Plant Pathology Department, Faculty of Agriculture Moshtohor, Banha University, Egypt.
Nationality	Egyptian
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Education

August, 2011	**Ph.D. in Plant Pathology,** **Kazakh National Agrarian University,** Faculty of Agronomy, Agrochemistry and Plant Protection
February, 2005	**M.Sc. in Agriculture Science (Plant Pathology)** Fac. Agric., Moshtohor, Banha University, Egypt,
June, 1998	**B.Sc. Agriculture Science** Fac. Agric., Moshtohor, Banha University, Egypt, with General grade ((very good))

Academic Progress:

Duration	Employ
28/4/2022	(Professor) Professor of plant Pathology, Plant Pathology Department, Faculty of Agriculture Moshtohor, Banha University, Egypt.
28/2/2017	(Associate Professor) Assistant Professor of plant Pathology, Plant Pathology Department, Faculty of Agriculture Moshtohor, Banha University, Egypt.
29/12/2011	(Assistant Professor) Lecturer of plant Pathology, Agricultural Botany Department, Faculty of Agriculture Moshtohor, Banha University, Egypt.
21/3/2005	(Lecturer) Assistant Lecturer, of plant Pathology, Agricultural Botany Department, Plant Pathology Branch, Faculty of Agriculture Moshtohor, Banha University, Egypt.

26/12/1999	(Assistant Lecturer) Demonstrator, of plant Pathology, Agricultural Botany Department, Plant Pathology Branch, Faculty of Agriculture Moshtohor, Banha University, Egypt.

Language Skills:

Language	Reading	Speaking	Writing
Arabic	Excellent	Excellent	Excellent
English	Excellent	Good	Good
Russian	Very Good	Very Good	Good

Research Skills and Experience:

- In general, Plant pathology,
- Post harvest diseases and soil-born diseases
- Systemic acquired resistance
- Biological control
- Volatile and enzymes of antagonistic fungi and bacteria
- Biotechnology in Plant diseases.
- Diseases of protected houses

COURSES TEACHING:

• Morphology and Taxonomy of Fungi.	• Plant Resistance to Diseases
• Diseases of Greenhouses and reclaimed land	• Diseases of Vegetable and Ornamental Plants
• Biological Control of Plant Diseases	• Plant diseases and Biotechnology.
• Field Crop Diseases.	• Diseases of Fruit Crops.
• Bacterial Diseases of Plant	• Soil -Borne Diseases
• Integrated Control of Plant Diseases	• Fungicides and Herbicides

Statistics Software Use:

- Mstate for statistical analysis.
- Co-stat for statistical analysis.

TRAINING COURSES:	
2006	• Training course in **"The use of modern technology in the production and presentation of educational materials"** 9 days July, achieved in institute **(FOEP**) Banha University, Egypt.
2007	• Training course in **"The use of technology in teaching"** 7-9 May achieved in institute (**FLDP**) Banha University, Egypt.
2007	• Training course in **"Concepts of IT"** 5-11 May, achieved in (**Central unit of ICT Training**) Banha University, Egypt.
2007	• Training course **"Word Processing"** 5-11 May, achieved in (**Central unit of ICT Training**) Banha University, Egypt.
2007	• Training course on "**Effective Presentation"** from 27 -29 May achieved in institute (**FLDP**) Banha University, Egypt.
2007	• Training course in "**Morals and Professional Ethics**" 25-27 June, achieved in institute (**FLDP**) Banha University, Egypt.
2007	• Training course in **"Financial and legal aspects**" 10-12 September, achieved in institute (**FLDP**) Banha University, Egypt.
2007	• Training course "**Using Computer and managing Files"** 11-17 September achieved in (**Central unit of ICT Training**) Banha University, Egypt.
2012	• Training course "**Basics of Biotechnology"** 26 February to 18 March achieved in Faculty of Agriculture Moshtohor, Banha University, Egypt.
2013	Training course **"High performance Liquid chromatography (HPLC)"** 17 April achieved in Faculty of Agriculture Moshtohor, Banha University, Egypt.
2019	Training course on "Nanotechnology Applications in Plant Diseases" April 13,
2021	A training course on "The Optimal Use of Pesticides, Agribusiness, Entrepreneurship, Digital Extension Service and Marketing" from 5 to 13 April.

Participation in Conferences

1. 10th. Congress of the Egyptian Phytopathol. Soc.., Cairo, December 2003.

2. Achievements and Problems of Plant Protection and Quarantine conference, from 6-8 November, 2008 in Republic of Kazakhstan.

3. The 5th Republican Scientific-theoretical conference from 23-25 April, 2009 in Republic of Kazakhstan.

4. Biological Diversity and Sustainable Development of Nature and Society conference, from 12-13 May, 2009 in Republic of Kazakhstan pages 10-11.

5. The XIII. Czech and Slovak Conference of Plant Protection, Brno Czech Republic from 2nd to 4th September 2009.

6. The 6th Republican Scientific-theoretical conference from 22-23 April, 2010 in Republic of Kazakhstan.

7. International scientific-practical conference "Introduction, conservation of biodiversity and the use of plants, Bishkek, Kyrgyztan Republic from 7th to 9th September 2010.

8. Industrial and innovative development of agro-industrial complex: current state and perspectives Almaty Kazakhstan Republic from 22 to 23 October 2010.

9. The 7th Republican Scientific-theoretical conference from 28-29 April, 2011 in Republic of Kazakhstan pages 5.

10. The 1st International Conference on Biotechnology Applications in Agriculture, held in Moshtohor-Hurghada, Benha University, Egypt, 18-22 February 2012.

11- The 9th International Plant Breeding Conference, held in Moshtohor, 7-8 September 2015 - Faculty of Agriculture, University of Banha.

12- The 2nd International Conference on Biotechnology Applications in Agriculture (ICBAA), held in Moshtohor-Hurghada,8-12 APRIL 2014. Faculty of Agriculture, Benha University, Egypt.

13- The 3rd International Conference on Biotechnology Applications in Agriculture (ICBAA), held in Moshtohor-Sharm Elshikh, 5-9PRIL 2016. Faculty of Agriculture, Benha University, Egypt.

14. The 13th. Congress of the Egyptian Phytopathology Society .., Cairo, 10-12 May 2016.

15. The 2nd International Chinese-Egyptian Conference on Agriculture, Veterinary Medicine and Engineering, October 8-10, 2017.

16. Attending the annual conference of the Faculty of Agriculture at Mashtohor "sixth session" entitled “Climate change and its impact on the agricultural sector in light of the sustainable development goals, Egypt 2030”, 24 May 2022.

LIST OF SELECTED PUBLICATIONS

1. Mahdy, A.M.M.; Abd El-Mageed, M.H.; Hafez, M.A. and Ahmed, G.A. (2006). Using alternatives to control cucumber powdery mildew under green- and commercial protected-house conditions. Fayoum J. Agric. Res. & Dev., 20(2):121-138.
2. Mahdy, A.M.M.; Abd El-Mageed, M.H.; Hafez, M.A. and Ahmed, G.A. (2008). Alternative strategies to control cucumber powdery mildew under green- and commercial protected-house conditions“Achievements and Problems of Plant Protection and Quarantine,” from 6-8 November, 2008 in Republic of Kazakhstan. (2) pages 92-96.
3. Ahmed G.A. (2010). Biological control of cucumber fusarium wilt using *Cheatomium* and *Penicillium* isolates. International scientific-practical conference "Introduction, conservation of biodiversity and the use of plants, Bishkek, Kyrgyztan Republic from 7th to 9th September 2010 pages 252-258.
4. Ahmed G.A. (2010). Controlling of Fusarium Wilt of Cucumber by Antagonistic Bacteria. Journal of Life Sciences. V. 4(7) P. 16-21. (IF 3.30)
5. Mahdy A.M.M., Sagitov A.O., Ahmed G.A. (2011). Efficacy of *Trichoderma* spp. in controlling fusarium wilt of cucumber under protected houses. Annals of Agricultural Science, Moshtohor. Vol. 49(1). - P. 71-77.
6. Sagitov A.O., Mahdy A.M.M., Ahmed G.A. (2011). Effect of some antioxidants on controlling cucumber fusarium wilt disease under protected houses. Annals of Agricultural Science, Moshtohor. Vol. 49(1). - P. 65-70.
7. Elsayed, T.A. and Ahmed, G. A. (2014). Improvement of biological indexing technique for citrus viruses detection. Egyptian J. Virol, Vol. 11 (2): 159 – 166.
8. Ahmed, G. A. (2015). Efficiency of some bio-inducers in induction of faba bean resistance to chocolate spot disease. International Journal of Scientific & Engineering Research, 6(11): 601-611.
9. Ahmed, G. A. (2016). Biochemical changes in treated cucumber plants with some elicitors against downy mildew disease in protected houses. International Journal of Scientific & Engineering Research, 7(2): 1026-1035.
10. Gomaa, N. A., Mahdy, A. M. M., Fawzy, R.N. and Ahmed, G.A.(2016). Integrated management of tomato white mold disease caused by *Sclerotinia sclerotiorum* using the combined treatments of compost, chemical inducers and fungicides. Middle East Journal of Agriculture Research. 5(4): 479-486.
11. Ahmed, G. A. (2016). Evaluation the efficacy of some phenolic compounds in controlling bacterial spot disease and biochemical changes associated in pepper plants under greenhouse conditions. J. Plant Prot. and Path., Mansoura Univ., Vol.7 (10), 655– 662.
12. Ahmed, G. A. (2016). Efficiency of some antioxidants and bioagents in controlling Rhizoctonia damping-off of snap bean. Middle East Journal of Applied Sciences.6 (4): 748-

758.

13. Ahmed, G. A. and Zyton, M.A.(2016). Promoting resistance of snap bean against damping-off disease caused by *Rhizoctonia solani* using the integration between some antioxidants and bioagents. Egyptian Journal of Biological Pest Control, 26(4): 767 -774.

14. Ahmed, G. A. and Zyton, M.A.(2016). Management of bean rust by some bioagents and essential plant oils. Egypt. J. Phytopathol. 44(2): 167-186.

15. Mahdy, H.A.; Eisa,N.A.; Khalifa, M.M.A.; Eid, K.E. and Ahmed, G.A. (2018). Identification of *Fusarium* species causing onion basal rot in Egypt and their virulence on seeds, seedlings and onion bulbs. Annals of Agric. Sci., Moshtohor, Vol. 56 (1).79-88.

16. Hanafy, M.S.; G.M. El-Habbaa.; F.G. Mohamed; N. M. Balabel and Ahmed, G.A. (2018). Surveying and fast detection of *Ralstonia solanacearum* bacterium in some Egyptian governorates. Annals of Agric. Sci., Moshtohor. 56(2): 405 – 416.

17. EL-Tanany, M.M., M.A. Hafez, G.A. Ahmed and M.H. Abd El-Mageed (2018). Efficiency of biotic and abiotic inducers for controlling tomato early blight Disease. Middle East Journal of Agriculture Research. 07(2): 650-670.

18. Ahmed, G. A. and A. A. Elsisi. (2020). Efficacy of compost and some essential oils alone or in combination in controlling cucumber white mould disease under protected house conditions. J. of Plant Protection and Pathology, Mansoura Univ., 11(6): 291-297.

19. Selim, M. E.; Makhlouf, A.H. and Ahmed, G.A. (2021). Relation between resistance to leaf rust and Fusarium crown rot diseases in some Egyptian wheat cultivars. Alexandria Science Exchange Journal., 44(2): 453–465.

20. Ahmed, G.A. and Makhlouf, A.H. Selim, M. E. (2021). Efficacy of Compost and Some Biocontrol Agents in Controlling Cucumber White Mould Disease under Protected House Conditions**.** Alexandria Science Exchange Journal., 44(2): 495–507.

21. Selim, M., E., Hala A. M.., Ahmed, G., A., Makhlouf, A. H. (2021). Relation between Fusarium wilt disease and accumulation of phenolic compounds within resistant and susceptible tomato cultivars. Menoufia Journal of Plant Protection, 6(5): 13-25.

22. Ahmed, G.A.; A.A. El-Sisi and Selim, M. E. (2021). Gc-ms analysis of three plants essential oils and their effective on bacterial spot of tomato. Menoufia Journal of Plant Protection, 6(6): 27-41.

23. Mohamed. E.S.; Bakr, R.A.; El-shennawy, M.Z. and Ahmed, G.A. (2021). Compatibility of *Trichoderma* isolates to chlorothalonil fungicide for Integrated diseases Management. International Journal of Scientific Research and Sustainable Development., 4(2): 1-18.

24. Gomaa, N.A.; Mahdy, A.M. M.; Fawzy, R. N. and Ahmed, G.A. (2021). Green Synthesis of Silver Nanoparticle by Plant Extracts to Control Tomato wilt Disease caused by *Fusarium oxysporum f. sp. Lycopersici*. International Journal of Scientific Research and Sustainable Development., 4(3): 1-14.

25. Abdullah, E M.; Fawzy, R. N.; Eid, K. S.; Gowily, A. M. A.; Agha, M..K. M. and **Ahmed, G.A. (2022).** Pathological and physiological studies of Downy Mildew of Basil (*Ocimum basilicum*) Caused by *Peronospora belbahrii* in Egypt. Benha Journal of Applied Sciences 7 (4), 25-37.

26.Gomaa, N.A.; Mahdy, A.M. M.; Fawzy, R. N. and Ahmed, G.A. (2022). Control of Tomato Fusarium wilt caused by *Fusarium oxysporum* f. sp. *lycopersici* by Grafting and Silver nanoparticles under greenhouse conditions. Benha Journal of Applied Sciences. 7 (5), 37-50.

27.Nasar J, Wang G-Y, Ahmad S, Muhammad I, Zeeshan M, Gitari H, Adnan M, Fahad S, Khalid MHB, Zhou X-B, Abdelsalam NR, Ahmed GA and Hasan ME (2022).

Nitrogenfertilization coupled with iron foliar application improves the photosynthetic characteristics, photosynthetic nitrogen use efficiency,and the related enzymes of maize crops under different planting patterns. Front. Plant Sci. 13:988055.

28. Abdel-Aty, M**. S., A Youssef-Soad, W. M. B. Yehia, , R. T. E. EL-Nawsany, H. M. K. Kotb, Gamal A. Ahmed, Mohamed E. Hasan, Ehab A. A. Salama, Sobhi F. Lamlom, Fouad H. Saleh, Adnan Noor Shah and Nader R. Abdelsalam (2022).** Genetic analysis of yield traits in Egyptian cotton crosses (*Gossypium barbdense* L.) under normal conditions. BMC Plant Biology 22 (462).

29. Fares, A.S.; A.M. M. Mahdy; G.D. Elhabaa; A.A. Abdalla and G.A. Ahmed (2023). Irradiated Silver Nanoparticles Synthesized by Plant Extracts and Their Effect on Early Blight Disease of Tomato (*Lycopersicon esculentum* Mill.). Egyptian Journal of Crop Protection, 18 (1): 35-53.

30. Fares, A.S.; A.M. M. Mahdy; G.D. Elhabaa; A.A. Abdalla and G.A.Ahmed (2023). Biological Synthesis of Silver Nanoparticles Exposed to Gamma Irradiation for Control of Early Blight Disease in Tomatoes. J. of Plant Protection and Pathology, Mansoura Univ., 14 (5):125 – 132.

31. Ghoniem, H.R.; Fawzy, R. N.; G.D. Elhabaa; G.A.Ahmed (2023). Effectiveness of Selected Biological Agents, Chemical Inducers, and Fungicides in Managing Cucumber Root Rot Disease caused by *Rhizoctonia solani*. Egyptian Journal of Crop Protection, 18(2): 1-23.

32. Fares, A.S.; A.M. M. Mahdy; G.D. Elhabaa; A.A. Abdalla and G.A.Ahmed (2024). A new technique for using gamma irradiation to enhance silver nanoparticles synthesized by chemical reduction and their effect on tomato early blight disease under field conditions**.** Biocatalysis and Agricultural Biotechnology. 58 (6):103128**.**

33. Fares, A.S.; A.M. M. Mahdy and G.A. Ahmed (2024). Unraveling the mysteries of silver nanoparticles: synthesis, characterization, antimicrobial effects and uptake translocation in plant—a review**.** Planta**.** 260 (1):7**.**

34-Amr, M.A, Kheder, A.A.; G.A.Ahmed, G.D. Elhabaa; and A.M. M. Mahdy. (2024). Identification and Molecular Characterization of Phytoplasma Associated with Carrot Plant (*Daucus carota* L.) in Qalyubia Governorate, Egypt**.** Annals of Agricultural Science, Moshtohor. 62 (1): 21-36.