

PERSONAL INFORMATION



Khaled Hussein Arafat (Assistant Professor)

📍 21, Ali Abd El-Naby- Flower Tower- Faisal, 12549 Giza (Egypt)

☎ (+20) 237238703 📠 (+20) 1062388723

✉ drkhaledarafat@agr.nvu.edu.eg

🔗 https://nvu.edu.eg/membercv.php?M_ID=5752

💬 Skype drkhaledarafat

Sex Male | Date of birth 05/02/1969 | Nationality Egyptian

WORK EXPERIENCE

1992–2014

Researcher

Agricultural Research Center (ARC) - Plant Pathology Research Institute (PPathRI), Giza (Egypt)

- Diagnosis and treatment control of date palm and tree fruits diseases and pests expert - Integrated Pest Management- Biological Control- Epidemiology diseases- Forecasting models- soil borne pathogenic fungi.

2014–Present

Lecturer

Faculty of Agriculture- New Valley Branch- Plant Pathology Department -Assiut University, El-Kharga (Egypt)

- interviewing course applicants
- lecture planning, preparation and research
- contact and teaching time with students
- checking and assessing students' work
- encouraging personal development via tutorial or pastoral work
- invigilating examinations
- attending staff meetings
- general administration
- writing research proposals, papers and other publications
- reading academic journals
- supervising PhD students and research staff
- managing research budgets
- attending and speaking at conferences and seminars

EDUCATION AND TRAINING

1988–1992

- B.Sc. in Plant Pathology

Plant Pathology Department-Faculty of agriculture- Ain Shames Univ., Cairo (Egypt)

1997–2001

M. Sc. in Plant Pathology

Plant Pathology Department- Faculty of Agriculture- Suez Canal Univ., Ismailia (Egypt)

(PATHOLOGICAL AND PHYSIOLOGICAL STUDIES FOR CONTROLLING PERSIMMON FRUIT ROTS).

2007–2011

Ph. D. in Plant Pathology

Plant Pathology Department- Faculty of Agriculture- Suez Canal Univ., Ismailia (Egypt)

(STUDIES ON FUNGAL ROOT DISEASES OF DATE PALM AND ITS CONTROL).

PERSONAL SKILLS

Mother tongue(s)

Arabic

Foreign language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C2	C2	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

ADDITIONAL INFORMATION

Postal Address Faculty of Agriculture- El Kharga City- New Valley Governorate- Egypt. P. Code 11571

Employment Details Head of Plant Pathology Department (from 2019 to present).
 Current Position – **Professor** at Faculty of Agriculture- New Valley University- Plant Pathology Department (**from 31/10/2024 to present**).
Associate Professor at Faculty of Agriculture- New Valley University- Plant Pathology Department (**from 30/ 9/ 2019 to 30/10/2024**).
 Lecturer at Faculty of Agriculture- New Valley University- Plant Pathology Department (from 1/12/ 2014)
 Past Position Doctor-Researcher (from May 1994- November 2014) - Agricultural Research Center (ARC) - Plant Pathology Research Institute (PPathRI) - Fruit and Woody Tree Diseases Research Department.
 Researcher Assistant (from 27/10/1999 to 6/5/2005)
 Assistant Researcher (from 7/5/2005 to 29/6/2011)
 Doctor – Researcher (30/6/2011 to 30/11/2014)

Computer skills and competences MS office 2016 for windows- Internet – ICDL- Statistical analysis programs

Conferences, Courses, and Scientific Workshops

1. Attending the international training course "(Early Detection of Bayoud Disease in Date Palms and Ways to Control It)" - The Arab Organization for Agricultural Development - League of Arab States - Marrakech - Morocco from December 21-27, 2004.
2. Attending the international training course "(Integrated Control of Pests and Diseases of Fruit Trees in Mediterranean Countries)" - Mediterranean Institute of Agricultural Sciences - Bari - Italy from February 15 to October 2, 2010.
3. Participating with a research paper in the 1st Regional Conference on "Control of Pests and Diseases of Date Palms" - Al Ain - United Arab Emirates from September 23-25, 2012.
4. Participating with a research paper in a workshop titled "(Grapes and Their Role in Agricultural Development)" at the Plant Protection Research Institute - Agricultural Research Center - Dokki from September 23-24, 2012.
5. Participating with a research paper in the international workshop of the Union of Mediterranean Plant Pathology Societies - Bari - Italy. from October 24-26, 2012.
6. Participating with a research paper in the 1st Assiut International Horticulture Conference - Faculty of Agriculture - Assiut University, Arab Republic of Egypt from February 24-27, 2013.
7. Participating with a research paper in the 6th Annual Conference of the Society for Agricultural Chemistry and Environmental Protection "(Research Applications for Environmental Protection and Agricultural Development)" - Faculty of Agriculture - Ain Shams University - Cairo from February 27-28, 2013.
8. Attending the international workshop on "Environmental Nano-Technology and Advanced Optical Spectroscopy Applications" - Institute for Environmental Studies and Research - Menoufia University - Sadat City - May 22, 2013.
9. Participating with a research paper in a workshop titled "(Mango Production Strategy in Egypt)" at the Plant Protection Research Institute - Agricultural Research Center - Dokki from October 27-28, 2013.
10. Lecturer in the "(1st International Training Course on Tissue Culture in Date Palms)" - Fruit Tree Research Institute - Agricultural Research Center - from November 17-28, 2013.
11. Attending a seminar titled "(Safe Pest Control)" at the Faculty of Agriculture in New Valley on May 17, 2015.
12. Attending the 13th Plant Pathology Conference - Agricultural Research Center - Giza - from May 10-11, 2016.

13. Attending the Author AID scientific writing course (online course) - International Network for the Availability of Scientific Publications (INASP) from October 18 to November 28, 2016.
14. Attending a course titled "Managing Open Data in Agriculture and Nutrition (GODAN Action Online Course)". Global Open Data for Agriculture and Nutrition. April 9 to May 4, 2018.
15. Participating in the training program "(Train and Open Your Project)" from November 11-17, 2019 - Faculty of Agriculture - New Valley University.
16. Participating in a workshop titled "(Bio-control and Bio-fertilization and Their Applications in Sustainable Development of New Valley Governorate)" on December 3, 2019 - Faculty of Science - New Valley University.
17. Participating in the 1st workshop titled "(Microorganisms Degrading Cellulosic Waste)" from December 27-29, 2020 - Central Laboratory - Faculty of Science - New Valley University.
18. Attending a training course titled "(Preparing Question Banks and Electronic Exams)" - Distance Training - August 21, 2021 - New Valley University.
19. Participating in the activities of "(Sustainable Management of Agricultural Ecosystems in the Kharga Oasis, New Valley Governorate - Implemented by the Desert Research Center and the Food and Agriculture Organization (FAO) with funding from the Global Environment Facility (GEF) - During 2022.
20. Attending an online training course titled "(How to Choose the Right Journal?)" on November 9, 2022 - King Saud University - Al-Yaseef Publishing House.
21. Attending an online training course titled "(Open Access for Egypt)" on May 30, 2022 - Organizers STDF & Springer Nature
22. Participating in the 9th international conference "(Climate Change, Challenges of Sustainable Development and Advanced Research in Agriculture, Food, and the Environment)" from October 6-10, 2022 - Marsa Alam - Red Sea Governorate.
23. Participating in the organization and scientific committee of the 1st International Scientific Conference of the Faculty of Agriculture titled "Agricultural Scientific Research as a Gateway to Achieving Food Security and Sustainable Development", which was held from May 16 to 17, 2023 at the Electronic Exams Center, New Valley University, Kharga, Egypt.
24. Attending a training course on medicinal and aromatic plants and landscaping from March 19-20, 2023 - Hall of the Agricultural Research Center Station - Kharga City - New Valley Governorate.

Participation in the Faculty and Leadership Capacity Building Program

1. **International Publication of Scientific Research from August 15-16, 2016 - Faculty Development Center - Cairo University.**
2. **Effective Presentation Skills from August 17-18, 2016 - Faculty Development Center - Cairo University.**
3. **Preparing Competitive Projects for Research Funding from July 29-30, 2017 - Faculty Development Center - Cairo University.**
4. **University Administration from July 31 to August 1, 2017 - Faculty Development Center - Cairo University.**
5. **Quality Standards in the Teaching Process from August 2-3, 2017 - Faculty Development Center - Cairo University.**
6. **Examination Systems and Student Evaluation from August 9-10, 2017 - Faculty Development Center - Cairo University.**
7. **Basics of Digital Transformation from October 12, 2021 (3 modules equivalent to two capacity building courses according to the decision of the Supreme Council of Universities) - Faculty Development Center - New Valley University.**
8. **Research Ethics (Distance Training) from August 4-5, 2021 - Faculty Development Center - New Valley University.**
9. **Management of Research References (Distance Training) from December 28-29, 2022 - Faculty Development Center - New Valley University.**
10. **Crisis and Disaster Management from November 20-21, 2023 - Faculty Development Center - New Valley University.**
11. **Program and Course Description from December 28-29, 2023 - Faculty Development Center - New Valley University.**

MEMBERSHIP PROFESSIONAL ASSOCIATIONS

- OF
- Agricultural Chemistry and Environment Protection Society.
 - Arab Society Plant Protection.
 - Egyptian Phytopathological Society.

- Indian Phytopathological Society.
- Italian Phytopathological Society.
- Mediterranean Phytopathological Union

RESEARCH PROJECTS

- **Principal Investigator (PI), Project #827, "Evaluation of Fungicides Efficacy to Control Diseases of Deciduous Fruit Crops (Peach, Pear, Plum, Apricot) in Menoufia Governorate"**
 - o Funded by: The Egyptian Ministry of Agriculture's Fund for Supporting Research and Solutions to Applied and Field Problems in Agricultural Pest Control
 - o Duration: January 2012 - December 2014
- **PI, Project #1006, "Evaluation of Fungicides Efficacy to Control Diseases of Mango in Assiut Governorate (2)"**
 - o Funded by: The Egyptian Ministry of Agriculture's Fund for Supporting Research and Solutions to Applied and Field Problems in Agricultural Pest Control
 - o Ongoing since January 2015
- **PI, Project #43384, "Impact of Some Nanomaterials as Antifungal Agents Against Date Palm Root Rot Diseases"**
 - o Funded by: Science and Technology Development Fund (STDF)
 - o Duration: 12 months, August 16, 2020 - August 16, 2021

PROFESSIONAL ACTIVITIES

- Editor-in-Chief, "New Valley Journal of Agricultural Science" (since 2021 to present)
- Contributing Member of the External Editorial Team, "MAYFEB Journal of Biology"
- External Reviewer for scientific journals:
 - o International Journal of Agriculture and Forestry
 - o African Journal of Agricultural Research
 - o Spanish Journal of Agricultural Research
 - o Pakistan Journal of Biological Sciences
 - o Plant Pathology Journal
 - o Asian Journal of Plant Pathology
 - o Asian Journal of Biological Sciences

ONLINE PROFILES

- **Google Scholar:** <http://scholar.google.com/citations?user=PfXgIDIAAAAJ&hl=en>
- **ResearcherID:** F-2531-2011
- **LiveDNA:** 20.7732
- **ORCID ID:** <http://orcid.org/0000-0002-9895-4982>

Publications

Journal Articles

- **Arafat, K. H.** (2013). Epidemics fungal diseases of mango trees. *Egypt J. Agric. Res.*, 91 (3), 21-40.
- **Arafat, K. H.** (2015). Application of Statistical Model for Forecasting Powdery Mildew of Grapes under Egyptian Conditions Based on Meteorological Data. *International Journal of Plant Pathology*, 6(2): 48-57. DOI: 10.3923/ijpp.2015.48.57
- **Arafat, K. H.** (2018). A Novel Isolate of *Phyllosticta capitalensis* Causes Black Spot Disease on Guava Fruit in Egypt. *Asian Journal of Plant Pathology*, 12: 27-37. DOI: 10.3923/ajppaj.2018.27.37
- **Arafat, K. H.** (2019). Improved the Shelf Life of Guava Fruits by Salicylic Acid Against Postharvest Black Spot Disease. *Mansoura Journal of Plant Protection and Pathology*, 10(4): 237-243.
- **Arafat, K. H., A. M. Mohamad, and S. Elsharabasy** (2013). Influence of environmental conditions, salinity and root exudates on incidence and

disease severity of *Lasiodiplodia theobromae* that caused root rot of date palm offshoots and biocontrolling. *J. Biol. Chem. Environ. Sci.*, 8(1), 73-91.

- **Arafat, K. H., Hanan, S.A., and Abd-El-Aziz, M.R.** (2015). Antibacterial activity of antagonistic bacteria and plant extract on *Erwinia amylovora* the pathogen of fire blight disease in Egypt. *International Journal of Phytopathology*, 4(2), pp.73-79.
- **Baraka, M. A., Fatma M. Radwan, M. A. Abed-Aziz, and K. H. Arafat** (2002). Effect of some preharvest treatments to control persimmon fruit rot in cold storage. *Agric. Res. J., Suez Canal Univ.*, Vol. 1, 47-56.
- **Baraka, M. A., Fatma M. Radwan, and K. H. Arafat** (2011). Survey and Identification of Major Causing Root Rot on Date Palm and Their Relative Importance in Egypt. *J. Biol. Chem. Environ. Sci.*, 6(2): 319-337.
- **Baraka, M. A., Fatma M. Radwan, W.I. Shaban, and K. H. Arafat** (2011). Efficiency of Some Plant Extracts, Natural Oils, Biofungicides and Fungicides against Root Rot of Date Palm. *J. Biol. Chem. Environ. Sci.*, 6(2): 405-429.
- **Baraka, M. A., Fatma M. Radwan, H. H. Soltan, and K. H. Arafat** (2003). Postharvest treatments for controlling persimmon fruit rots in cold storage. *J. Agric. Sci. Mansoura Univ.*, 28(5): 4077-4087.
- **Kamhawy, M.A.M, A.S. A.S. Abd El Aziz, A.k.M. Korra, and K. H. Arafat** (2013). Anatomical changes associated with mango seedlings root rot. *J. Biol. Chem. Environ. Sci.*, 8(4): 437-453.
- **Arafat, K. H.** (2024). Advancements in Detecting Spot Fungal Diseases on Date Palm Leaves: Development and Validation of Chlorophyll-Based Detection Models. *New Valley Journal of Agricultural Science*, 4 (2), 16-36. 10.21608/NVJAS.2024.287037.1286
- **Arafat, K. H.** (2024). Molecular Identification of Fungal Pathogens of Date Palm Root Rot in Egypt. *J. of Plant Protection and Pathology, Mansoura Univ.*, Vol. 15 (5):155 – 162. DOI: 10.21608/jppp.2024.283973.1229
- **Arafat, K. H.** (2024). Monitoring and Early Detection of the Effects of Temperature Stress on Date Palm Root Rot Disease. *Journal of Desert and Environmental Agriculture*, 4 (2):294-324. DOI: 10.21608/jdea.2024.285530.1051
- **Arafat, K. H., Mohamed H. A. Hassan, and Esraa Ahmed Hussein** (2024). Novel Fungal Pathogens Associated with Date Palm Leaf Spot in Egypt. *New Valley Journal of Agricultural Science*. 4 (1), 84-106. <https://doi.org/10.21608/nvjas.2024.239013.1253>
- **Arafat, K. H., Mohammed H.A. Hassan, and Omar H.H. Mahmoud** (2023). Predicting the Severity of Alfalfa Root rot Disease Under Salinity Conditions. *Assiut Journal of Agricultural Sciences*, 54 (4), 154-167. DOI: 10.21608/AJAS.2023.223841.1280
- **Arafat, K. H., Mohammed Hassan, and Esraa Ahmed Hussein** (2021). Detection, Disease Severity and Chlorophyll Prediction of Date Palm Leaf Spot Fungal Diseases. *New Valley Journal of Agricultural Science*. 1 (2),

- **Samir G. Farag, Abdelgawad S. Ahmed, and Arafat, K. H.** (2020). The Influence of Summer Pruning and Alternative Fungicides on Yield Quality and Powdery Mildew Progression of Black Monukka Grapevine. *American-Eurasian J. Agric. & Environ. Sci.*, 20 (5): 391-398. DOI: 10.5829/idosi.aejas.2020.391.398

Conference Papers

- **Arafat, K. H.** (2012). Apply the Statistical Model for Forecasting Powdery Mildew of Grapes Under Egyptian Conditions Based on Meteorological Data. *International Workshop MPU Plant Protection for The Quality and Safety of The Mediterranean Diet*, Bari, Italy, 24-26 October 2012.
- **Arafat, K. H. and Al-Esswy, A.A.** (2012). Forecasting of powdery mildew in grapevine. *Grape and its role in the agricultural development in Egypt. (Workshop)*, Egypt J. Agric. Res., 90 (3) 41-58.

Theses

- **Arafat, K. H.** (2001). *Pathological and physiological studies for controlling persimmon fruit rots*. M. Sc. Thesis, Faculty of Agriculture, Suez Canal University, pp. 88. http://main.eulc.edu.eg/eulc_v5/Libraries/Thesis/BrowseThesisPages.aspx?fn=PublicDrawThesis&BibID=10343178.
- **Arafat, K. H.** (2011). *Studies on Fungal Root Diseases of Date Palm and Its Control*. Ph.D. Thesis, Faculty of Agriculture, Suez Canal University, pp. 157. http://library.scuegypt.edu.eg/eulc_v5/Libraries/Thesis/BrowseThesisPages.aspx?fn=PublicDrawThesis&BibID=11080679.

Book Chapters

- **Abdel-Kader, M.M., Diab, M.M., Ismail, B.R., Hassan, E.A., and Arafat, K.H.** (1996). In vitro tests of different isolates of fungal genera for their pathogenicity against *Orobanche* spp. In *Advances in Parasitic Plant Research. Proceedings of 6th International Parasitic Weed Symposium* (Eds MT Moreno, JI Cubero, D Berner, D Joel, LJ Musselman, C Parker) pp. 907–911. (Direccion General de Invsetigacion Agraria Servicio de Publicaciones y Divulgacion: Cordoba, Spain).