



Prof. Dr/ Wael Kamal Mohamed EL-Shafei

Associate Professor at the Central Laboratory for Date Palm Research
(Date palm pests & diseases Res. Dep.)
Agricultural Research center (ARC),

9, El- Gamaa St., P.O.Box 12619 Giza, Cairo, Egypt.

Website: <http://www.arc.sci.eg/InstsLabs/Default.aspx?OrgID=22&lang=en>

<http://www.arc.sci.eg/InstsLabs/ResDetails.aspx?TabId=3&lang=en&OrgId=22&NavId=3&ResID=79742>

Tel. office: + (20 2) 35689696

Fax: +(202) 35689696

Mob: +20-01007736693

E-mail: waelkamal27@yahoo.com - wael.kamal@arc.sci.eg

Orcid number: 0000-0002-9746-7832

Scopus ID:57217066054

Google scholar: <https://scholar.google.com/citations?user=gCAoXdsAAAAJ&hl=ar>

Researchgate: <https://www.researchgate.net/profile/Wael-El-Shafei>



Personal data:

Date of Birth : Feb. 4,1975

Gender : Male

Nationality : Egyptian

Current Position: Assistant Professor (Senior Researcher)

Marital status : Married

Scientific name: El-Shafei, W.K.M. or W.K.M. El-Shafei

Qualifications:

Sep.2011- Feb.2015 Ph.D. Agric. Science, Economic Entomology ,plant protection dep. , Faculty of Agriculture –Benha University , Egypt:title (**Studies on efficiency of certain methyl bromide alternatives against *Ephestia cautella* (Walker) Lepidoptera : Pyralidae.**

Sep.2008 - Jan.2011 Master of Agric. science, Economic Entomology Plant protection Department, Faculty of Agriculture–Benha University, Egypt:title (**Ecological Studies On Red Palm Weevil).**

1994-1998 B.Sc. Agric. Science , Faculty of Agriculture –Cairo University , Egypt.

Working area:

Working on date palm & date fruit pests protection and control in field & date stores by various techniques.

Lecturer at the central laboratory of date palms, A.R.C. and An expert in the examination, evaluation and date palm pest control .

Supervise the date palm plantations farms pests protection and control and provision of technical consultancy .

Employment Graduation:

- **Associate Professor** from 2021 until now at Date palm pests & diseases Res. Dep. Central Laboratory for Date Palm Research Agricultural Research center (ARC)- Egypt.
- **Researcher from 2015.**At the Central Laboratory for Date Palm Research (Plant Protection Res. Section) , ARC, with following responsibilities:
- **Responsible for Library** and Information Center of the Central Laboratory for date palm -Agricultural Research Center palm from Dec. 2012 until Sep. 2017.
- **Assistant Researcher:** from July 2011 to December 2015 at the Central Laboratory for Date Palm Research(Plant Protection Res. Section) , ARC.
- **Researcher Assistant:** from July 2007 to December 2015 at the Central Laboratory for Date Palm Research (Plant Protection Res. Section) , ARC.
- 2005-2007 Working as Agricultural Engineer in Date Palm Research laboratory, Agriculture Research Center, Ministry of Agriculture, Egypt.
- 2000-2005 Working as Agricultural Engineer in IRD (French Institute for Research &Development).
- 1998-2000 Working as Agricultural Engineer in French Virology Research Center Faculty Of Agriculture –Cairo University.
- -1996-1998 Working part time in Agricultural Research Station- Faculty Of Agriculture –Cairo University.

Projects :

- Supervising the control of date pests in the field and warehouse for the project to improve the quality and safety of Egyptian dates and their products in the period from December 2019 until now.
- Red palm weevil collection information program , the Central Laboratory for date Agriculture Research Center:2011 till now.
- A program to survey the presence of the red palm weevil at the all governorates in Egypt. IRD (French Institute for Research &Development) 2004-2005.
- Biological Control of cotton leaf worm by GV and NPV viruses. IRD (French Institute for Research &Development)) 2002-2004.
- Biological Control butterfly potato tubers by GV viruses, IRD (French Institute for Research &Development) 2000-2002.

Scientific and research skills :

- 20 year Experience In date palm pests (Red Palm Weevil and other pests)Survey, Control ,Ecology and Biology and stored date pest controlling methods (Fumigation etc.).
- 5years of experience within scientific work in the field of Insect virology: basic technique of biological control of Agricultural pests (Insect virology ,molecular biology & mass rearing).

Scientific Committee Membership:

Associate member of the Egyptian Society of Biological Pest Control- based College of Agriculture - Cairo University.

Associate member of Scientific Association for Horticultural Development (SAHD).

Member of the Hon'ble Editorial Board of the International Journal of BioSciences and Technology (IJBST).

Publications:

-2024 **El-Shafei, W.K.M.** ; Mesallam T. and Batt, M. A. (2024). Population density and host preference of the date stone beetle, *Coccotrypes dactyliperda* (Coleoptera, Curculionidae, Scolytinae) in date palm farms as well as the efficacy of some trap attractants in Sharkia Governorate, Egypt. Middle East Journal of Agriculture Research, 13(2),269 -287 . doi: 10.36632/mejar/2024.13.2.16

- 2024 **El-Shafei, W.K.M.** and Batt, M. A. (2024). Evaluation of specific pheromone trap designs and components to improve their effectiveness in reducing the red palm weevil population in Egyptian palm farms. Menoufia Journal of Plant Protection, 9(1),45 -59 .doi: 10.21608/MJAPAM.2024.261543.1029

-2023 **El-Shafei, W.K.M** ; Tarek E.A.; Sary El Sahhar and Haifa A. Almohammad (2023).Changes in the content of certain oxidative defense enzymes and pigments in leaves of some date palm cultivars due to infestation by the red palm weevil in Egypt. American-Eurasian Journal of Agricultural & Environmental Sciences, 23 (3): 93-98, DOI: 10.5829/idosi.aejaes.2023.93.98

-2023 **W. K. M. El Shafei** and Sahar A. Attia. (2023). Ecological and Toxicological Studies on Date Palm Scale *Fiorinia phoenicis* Balachowsky (Hemiptera-Diaspididae) Infesting Three Date Palm Cultivars with Reference to Anatomical and Chemical Analysis of Palm Cultivars Leaflets At Giza Governorate, Egypt. Academic Journal of Entomology, 16 (2): 70-83, DOI: 10.5829/idosi.aje.2023.70.83

-2022 Assous, M. T. M., **El-Shafei, W. K. M.**, Lewaa, L. M., & Gadalla, E.

- G. (2022). Effect of Physical Methods on Date Fruits Insects and Microbes. *Asian Research Journal of Agriculture*, 15(4), 124-133. <https://doi.org/10.9734/arja/2022/v15i4362>
- 2022 **W. K. M. El Shafei**; L. M. Lewaa; Samar S. El-Masry. "Biological Control of Two Date Fruit Insect Pests Using Entomopathogenic Viruses" . *Journal of Plant Protection and Pathology*, 13(8) : 199-205. doi:10.21608/jppp.2022.154822.1091.
- 2022 **El Shafei, W. K. M.**, Mahmoud, R. H., & Mohamed, S. S. A. (2022). Efficacy of some entomopathogens against *Ephestia cautella* (Walker) (Lepidoptera: Pyralidae) in stored date fruits. *Egyptian Journal of Biological Pest Control*, 32(1), 1-7.
- 2022 Rania H. Mahmoud ;Asmaa R. Abdel-Khalik and **El-Shafei, W. K. M.**(2022). Comparison Between Two Physical Methods to Control the Stored Dates Fruit Mites, *Tyrophagus putrescentiae* (Schrank) and *Rhizoglyphus robini* (Claparede) (Astigmata: Acaridae) .*Egyptian Academic Journal of Biological Sciences*, 14(1): 149-158.
- 2022 Assous, M.T.M., **El-Shafei, W.K.M.**, Lewaa, L.M. and Rehab E. M. E. Salem. (2022). Efficiency of Carbone Dioxide and Aluminum Phosphide Gasses on *Ephestia cautella* and *Oryzaephilus surinamensis* Insects and Microbial Load on Stored Date Fruits. *Egyptian Academic Journal of Biological Sciences. A, Entomology*, 15(1), 81-89. doi: 10.21608/eajbsa.2022.225822.
- 2022 Assous, M.T.M.;**El-Shafei, W.K.M.**; Lewaa, L.M. ; Abd- Allah, A.M.; Diab, Y.M. and Gadalla, E.G. (2022). Effect of Bunch Covering and Biological Control on Insects and Microbial Load of Date Palm Fruits . *Egyptian International Journal of Palms*, 2 (1): 13-23. doi: 10.21608/esjp.2022.255827
- 2020 **El-Shafei, W. K. M.**(2020).Comparison between using phosphine and/or carbon dioxide for controlling *Plodia interpunctella* (Hübner) and *Oryzaephilus surinamensis* (Linnaeus) in stored date fruits. *Middle East Journal of Applied Sciences* ,10 (4): 657-664.
- 2020 Rania H. Mahmoud , E.M.A. Yassin and **El-Shafei , W.K.M.** (2020).Some Physiological Observations on Date Palm Fruits during its infestation by the date palm dust mite, *Oligonychus afrasiaticus* (McGreg-or) (Acari: Tetranychidae) *Egypt. Acad. J. Biolog. Sci. (B. Zoology)* , 12(2): 67-74.

-2020 Abd EL-WAHAB, A. S.; Abd EL-FATTAH, A. Y.; **EL-SHAFEI, W. K. M.** and HELALY, A. A.(2020). El. Efficacy of aggregation nano gel pheromone traps on the catchability of *Rhynchophorus ferrugineus* (Olivier) in Egypt. Brazilian Journal of Biology, 81, 452-460. [cited 2020-10-07], pp.-. Available from: <http://www.scielo.br/scielo.php?script=sci_arttext&pid=S1519-69842020005031201&lng=en&nrm=iso>. Epub Oct 05, 2020. ISSN 1678-4375. <https://doi.org/10.1590/1519-6984.231808>.

-2020 **El-Shafei, W. K. M** , Rasha A. Zinhom and El-Deeb, S. E.(2020). Modified Atmosphere Enriched with Argon gas as an alternative measure for controlling four stored dates pests. Egypt. Acad. J. Biolog. Sci. (A. Entomology) , 13(2) : 51-56.

-2019 Rasha A. Zinhom and **El-Shafei, W. K. M** (2019). Control of One of the Vital Stored Date Insects, *Plodia interpunctella* (Hübner) (Lepidoptera: Pyralidae), by Using Ozone Gas. Egypt. Acad. J. Biolog. Sci. (F. Toxicology & Pest control) ,11(3) :149- 156.

-2019, **El-Shafei,W.K.M.**; Rania H. Mahmoud and El-Deeb,S.E. (2019). Impact of Controlled Atmosphere of Different Three Gases For Controlling The Stored Dates Mite, *Tyrophagus putrescentiae* (Schrank) (Acari : Acaridida) . Academic Journal of Entomology 12 (2): 49-56.

-**2019**, A.Y. Abd El- Fattah; **W.K.M. El-Shafei**; A.A. El- Helaly and A.S. AbdEl-Wahab ,(2019). Testing nano-pesticides toxicity against red palm weevil *Rhynchophorus ferrugineus* (Olivier) in Egypt, Plant Archives,19 (1) :1559-1568.

- **2018**, , **El-Shafei,W.K.M. (2018)** .Population Density of some Insect Pests Infesting Fallen Soft Dates and their Associated Natural Enemies in Giza Governorate, Egypt, J. Plant Prot. and Path., Mansoura Univ.,9 (12): 815 – 821.

-2018 **W. K. M. El-Shafei**; Rasha A. Zinhom; H. B. H. Hussain (2018). Biology and Control of Indian Meal Moth, *Plodia interpunctella* (Hubner) (Lepidoptera: Pyralidae) Infesting Stored Date, Almond and Peanut Fruits J. Plant Prot. and Path., Mansoura Univ., 9 (9): 595- 600.

-2014 : Darwish, A.A.; F. A. M. El-Lakwah ; A. El-Hosary, Rasha ;A. A. EL-Banna and **W.K.M. El-Shafei** (2014). Effect of microwave on *Ephestia*

cautella (Walker) (Lepidoptera: Pyralidae) as alternative to methyl bromide. J. Biol. Chem. Environ. Sci., (9(4), 247-263.

- 2012: El-Lakwah F. A. M. ; EL-Banna A. A.; El-Hosary Rasha A. and **El-Shafei, W.K.M.** (2012). Improving pheromone traps efficacy For depression of the Red Palm Weevil (*Rhynchophorus ferrugineus* (Oliv.) population on date palm plantations. Egypt. J. Agric. Res., 90 (1):353-363.

- 2011: El-Lakwah F. A. M. ; EL-Banna A. A.; El-Hosary Rasha A. and **El-Shafei, W.K.M.** (2011). Impact of certain factors and agricultural practices on infestation of date palm trees by the Red Palm Weevil (*Rhynchophorus ferrugineus* (Oliv.) .(2011) Egypt. J. Agric. Res., 89 (3):1119-1127.

- 2011: El-Lakwah F. A. M. ; EL-Banna A. A.; El-Hosary Rasha A. and **El-Shafei, W.K.M.** (2011).. Population dynamics of the Red Palm Weevil (*Rhynchophorus ferrugineus* (Oliv.) on date palm plantations in 6th October Governorate. Egypt. J. Agric. Res., 89 (3):1105-1118.

-2006 : Natural and Human Generated Spreading of Red palm weevil Populations in Groves of a New Oasis 700 Km South – West of the Nile Delta Region, Third International Date Palm Conference, Abu Dhabi, United Arab Emirates; 19 -21 February, 2006 .

-2005:"Distribution du charançon rouge des palmiers, *Rhynchophorus ferrugineus* (Olivier)(Coleoptera : Curculionidae) en Egypte et dans le monde :Une menace pour l'avenir."

Guiding and training activity.

- Participate in the preparation, organization and lecture in many courses, lectures, seminars and field days both within the Central Laboratory of the palms or in agricultural districts of the governorates of Egypt and various some bodies and institutions in the field of date palm pests protection and control(modern trends to control red palm weevil + the effect of some of the factors and practices of agricultural on the incidence of red palm weevil + lecture on the obstacles and problems that hinder the control of red palm weevil in Egypt and how to overcome them. some pest infesting date fruits in the store and its control).

- Participate in giving a lecture entitled Managing pests of stored dates to obtain fruits free of pests and pesticide residues in the third international training course for date palms (Our palm trees are a national wealth) in the period from May 20 to May 24, 2024.
- Participating in giving a lecture entitled How to manage date pests to maximize the value and status of Egyptian dates on February 28, 2024 at the Fourth Cairo International Dates Festival, from February 28 to March 5, 2024.
- Participating in giving a lecture entitled Pests that affect dates in the warehouse and how to manage them in the workshop held on February 19, 2024 at the Central Laboratory for date Palm at the Agricultural Research Center entitled Pests that affect palm trees during the production season (protection and control).
- Participating in giving a lecture entitled Date pests as one of the obstacles to marketing and exporting dates in the workshop held on November 6 to 7, 2023 at the Central Palm Laboratory at the Agricultural Research Center, entitled Marketing Date Products Locally and Internationally, Reality and Target.
- Delivering a lecture entitled Integrated Management of Pests of Stored Dates, organized by the Crops Export Council, on August 28, 2023, via Zoom technology.
- Participating in giving a lecture entitled Date pests as one of the obstacles to export and manufacturing and how to manage them at the Third Cairo International Dates Festival from 1 to 7 March 2023.
- Participated in giving a lecture entitled Integrated Management of Palm and Date Pests in a workshop for Egyptian-Portuguese cooperation to find unconventional methods to combat the red palm weevil in the hall of the Central Pesticides Committee in the Central Pesticides Laboratory on December 7, 2022.
- Participating in giving a lecture entitled Integrated Management of Date Pests in the Field and Store in the Second International Training Course for Date Palms, Biological Control Factors for Palm Pests within the Integrated Pest Management System (IPM), in the period from May 22 to 26, 2022.

- Delivering a lecture entitled Integrated Management of Stored Date Pests in the workshop entitled Good Agricultural Practices for Arabic Date Palm Varieties Cultivated in Egypt, Organizing the Central Palm Laboratory in the period from 27 to 28 March 2022.
- Participating in giving a lecture entitled Integrated Management of Date Pests in the Field and Store in the Second International Training Course for Date Palms, Biological Control Factors for Palm Pests within the Integrated Pest Management System (IPM), in the period from May 22 to 26, 2022.
- Delivering a lecture entitled Integrated Management of Date Pests, Palm Pests and Dates in the Field and Store, and How to Prevent them and Produce Infestation-Free Dates and Without Pesticide Residues by the Second Cairo International Dates Festival in the period from 24 to 31 March 2022.
- Conducting an advisory field day for beneficiary farmers in the Al-Mughra region of the New Egyptian Rural Development Company on how to conduct agricultural operations for palm trees, including planting, irrigation, fertilization, diagnosis, prevention, and control of palm diseases and palm insects, especially the red palm weevil, on December 14, 2021.
- Conducting an advisory field day for beneficiary farmers in the Al-Mughra region of the New Egyptian Rural Development Company on how to diagnose, prevent and combat the red palm weevil on December 1, 2021.
- Conducting an extension field day for beneficiary farmers in the Al-Mughra region of the New Egyptian Rural Development Company on how to diagnose, prevent and combat the red palm weevil on November 17, 2021.
- Attending and participating in the first date festival in Bahariya Oasis by giving a lecture entitled Integrated Management of Date Pests in Warehouses and Factories. Organizing the Giza Chamber of Commerce in cooperation with the Ministry of Industry in the period from 11 to 13 November in Bahariya Oasis 2021.
- Delivering the first indicative lecture entitled: Integrated Management of Stored Date Pests on August 12, 2021 via the Zoom program as part of a series of virtual scientific lectures conducted by the Central Laboratory for

Date Palm Research and Development and the Scientific Palm Society with the aim of promoting the date palm in Egypt and the Arab world.

- Participated in giving two lectures in the intensive international training course for date palms at Dina El-Maadawi Hotel, Cairo-Alexandria Road, on February 29 to March 2, 2020, entitled: 1- Recent trends in methods for detecting the red palm weevil. 2- The most important pests that affect dates in the field and store, and methods of prevention and control.
- Participation in supervising and following up on the national project to cultivate 2.5 million acres in Toshka from February 16 to 24, 2020.
- Presenting a lecture entitled the most important pests that infesting dates in the field, store, and methods of protection and control in a workshop (Improving the final product of date palm trees) from 23 to 24 September 2019 at the Climate Hall organized by the Central Laboratory for date Palm.
- Presenting a lecture entitled (Red Palm Weevil) in a symposium on new methods to raise and improve the productivity of dates at the National Research Center on 22 September 2019.
- Presenting a lecture entitled "Modern trends in the detection and control methods of red palm weevil". Workshop on future prospects for date palms in Egypt on August 25, 2019, Horticulture Research Institute Giza.
- Presenting a lecture entitled " date palm pests and how to control them in the training program on date palm crop (propagation - service - control) during the period from 23 to 27 June 2019 at the Central Laboratory of date palm research for students of the College of Agriculture in New Valley.
- Presenting a lecture entitled "Pests of late dates fruits in the field and store in the program of integrated pest control operations of date palms at the Central Palm Laboratory from 9 to 11 April 2019.
- Presenting a lecture entitled "Recent trends in detection and control of red palm weevil" during a symposium at the National Agricultural Library on 26 December 2018.
- Participated in the presentation of a lecture entitled (Pests of stored dates) in a workshop entitled Horticulture and protection of date palms. The project of developing the value chain for dates (FAO)- The TOT program to train 20 trainees from 26 to 30 November 2017.

- Participated in a training course entitled "The Palm Head Service" at the Arab Center for the Studies of Arid Zones and Drylands (ACSAD) at Cairo Office from 26/8 to 31/8/2016 for a number of trainees from Arab countries.
- Participation in a course on the control of red palm weevil in the cities of Edco and Rashid (Beheira governorate) organized by The General Union of Producers and Exporters of Horticultural Crops in the Ministry of Agriculture in cooperation with the Institute of Plant Protection and Central Administration of Control on 27-28 April 2016.
- Participation in course entitled agricultural practices and marketing of date palm to the members of the boards of the central administration of the association from 12/03/2016 to 16/03/2016 organized by the Agricultural Cooperative Union Center and Cultural Center Location Sidi Bishr give two lectures entitled Recent trends in the control of the red palm weevil and the second entitled pests that attacks dates and how to control them.
- The training of agricultural engineers from some Arab countries under the auspices of the Arab Center for the Studies of Arid Zones and arid lands (ACSAD) on date palm trees pest control and other fruit tree pests control Jan. 2014.
- Participation in national training course in the field (to improve the productivity of the date palm in Egypt coefficients) of the Arab Organization for Agricultural Development - League of Arab States and carried out in Egypt - Cairo during the period 18-22 Muharram 1434 AH, corresponding to 2-6 / 12/2012.
- Give a lecture about the red palm weevil in the international session of the tissue culture for trainees from Africa International training course on date palm micro-propagation and organized by the Horticulture Research Institute in 2013.

Articles published:

- Published an article in Roya magazine entitled (The Economic Damage of the Greater Date Worm) dated September 2023, Issue 53.
- Publication of an article entitled (palm insect Dubas) at Roayah Magazine volume 40 dated October 2019 (special issue of the Sahara Exhibition No. 32 September 2019)

- Publication of an article titled "The 2.5 million palm trees project on Egypt" in the Al-Ahram Cooperative Newspaper on January 15, 2019
- Publication of an article entitled (date dust mites, *Oligonychus afrasiaticus*) at Roayah Magazine dated Oct.2018 Special for exhibition Sahara International 31.
- Publication of an article entitled (Studies on efficiency of certain methyl bromide alternatives against *Ephestia cautella*) dated November 2017 at The Blessed Tree .
- Publication of an article entitled (**Pomegranate butterfly, *Virachola livia Klug***) at Roayah Magazine dated Sep..2017 Special for exhibition Sahara International 30.
- Publication of an article entitled (the Lesser date moth: *Batrachedra amydraula* Meyrick) at Roayah Magazine dated June.2017 .
- Publication of an article entitled (Economic damage of the Greater date moth, *Arenipses sabella* Hmp.) at Roayah Magazine dated Jan.2017 .
- Publication of an article entitled (Studies on efficiency of certain methyl bromide alternatives against *Ephestia cautella*) dated 15 Oct.2016 Ahram Magazine cooperative.
- Publication of an article entitled (Solar energy succeeded in controlling date pests stage) dated 13 Sep.2016 Ahram newspaper cooperative.
- Publication of an article entitled (Effect of weather factors on change in the abundance of red palm weevil population) in August 2016 at the agricultural newspaper (issued by the General Directorate of Agricultural Culture, Ministry of Agriculture).
- - Publication of an article entitled (a new device succeeds in detecting the phases of the red palm weevil)) dated 1 Dec.2015 Ahram newspaper cooperative.
- - Publication of an article entitled (goodbye methyl bromide) dated 10 Nov.2015 Ahram newspaper cooperative.
- Publication of an article entitled (5 billion pounds wasted annually due to red palm weevil) dated 25 Dec. 2012 Al -Dostor newspaper.
- Publication of an article entitled (Ecological studies on red palm weevil) dated June. 2012 in Agricultural magazine.

TV interviews:

- Conducted a television interview entitled Pests of stored dates and their relationship to the marketing value of dates on the Misr Agricultural Channel, Agricultural Clinic Program, on December 21, 2023.

- A television interview entitled the relationship of some agricultural operations carried out on date palms throughout the year to red palm weevil infestation and how to conduct them in the correct way that protects against palm weevil infection throughout the year and how to deal with if an infestation occurs on the Misr Agricultural Channel, the Agriculture Pulse program, on December 24, 2022. .
- A television interview on 27 Dec.2020 on Misr Al Zeraeya channel - El-Hasad Program entitled Palm Pests, one of the challenges facing date palms in Egypt.
- Egyptian radio interview entitled the most important pests that infest the palm and how to overcome them - specialized educational channel- scientific and applied research program on 12 October 2019.
- A televised interview on Misr Al Zeraeya channel - El-Hasad Program on October 10, 2019 entitled Red Palm Weevil controls.
- A television interview on 7 Feb. 2019 on Misr Al Zeraeya channel - El-Hasad Program entitled the most important methods of propagation date palms and the red palm weevil control methods.
- A television interview on 11 May 2015 Misr Al Zeraeya channel - El-Loan Al -Akhdar program entitled how to promote palm crop and the most important pests of date palm .
- A television interview on Misr Al Zeraeya channel - program Hona El-Hakika 24 July 2013 entitled the future of date palm and the pest red palm weevil.
- A television interview about how agricultural investments in the field of the development of the palm in Egypt – Bokra Gay program - channel Nile cultural 12 Apr.2013.
- Work for a television interview about recent trends in control of the red palm weevil – El-Dawar program - channel Noor El- Donia- 5-Jan.2013.

Fields of Interest:

- Pest Control, Pest Management(Date palm pests).
 - Crop Integrated Management (CIM); Integrated Pest Management (IPM).
 - Biological Control, Economic Entomology.
 - Preparation of the Research Projects.
 - Lecturing In Economic Entomology (Morphology& Physiology) and Control Programs of date palm pests.
- Lecturing in Date palm pests control programs.

Awards:

- Award for the best research in the field date palm pests control for the year 2012 provided by the Central Laboratory for date Agriculture Research Center.
- Award for the best research in the field date palm pests control for the year 2014 provided by the Central Laboratory for date Agriculture Research Center.
- Obtaining the Scientific Excellence Award by publishing 2 international research papers in journals with a coefficient of Q2 from the Central Palm Laboratory on May 31, 2022.

workshops and Conferences :-

- Attending the fifth conference of the Arab Federation of Date Producers and Manufacturers for the sustainable advancement of the date sector, organized by the Arab Federation of Dates, in the meeting hall in Al-Hurriya Park on February 29, 2024.
- Attending the scientific symposium entitled "Harvest methods and post-harvest techniques for date palms" presented by Dr. Amal Ali Zeinhom, organized by the date palm network affiliated with the Union of Agricultural Research Institutions in the Near East and North Africa (Arenina), on January 30, 2023, via Zoom technology.
- Attending a scientific symposium entitled Climate Changes and their Impact on Date Palms on August 16, 2023, organized by the International Dates Council in cooperation with the Central Palm Laboratory in the main hall of the Central Palm Laboratory at the Agricultural Research Center.
- Attending a workshop entitled manufacturing unconventional feed from sorted dates and palm fronds at a competitive cost and studying strategies for using them in ruminant diets from August 1 to 3, 2023 in the main hall of the Central Palm Laboratory at the Agricultural Research Center.
- Attending a lecture entitled Palm Fertilization given by Dr. Abdel Rahman Al-Habib, organized by the Arab Dates Council, on July 18, 2023, via Zoom technology.
- Attending a training course entitled Date palm care and the main horticultural operations of date palms in the period from 25 to 29 December 2022 at the headquarters of the Arab Organization for Agricultural Development in Dokki. Attending a workshop entitled Climate Change and its Effects on Date Palms on October 19, 2022 in the main hall of the Central Laboratory of date palm at the Agricultural Research Center.

- Attend a workshop entitled The Role of breeding in facing the Challenges of Climate and Environmental Changes on September 5, 2022 in the main hall of the Horticultural Institute at the Agricultural Research Center.
- Attended A workshop entitled: Climate change and future pandemics at National research center on 25 July 2022.
- Submitting and preparing your Manuscript: Submitting and preparing your Manuscript (Part 5 of 5, in Arabic language) at Egyptian Knowledge Bank presented by Researcher Academy on Campus team on Thursday 16 April 2020 by video conferencing technology.
- Attended the Conference of Agricultural Challenges in the Era of Corona Online, from 12 to 15 July 2020, organizing the Agri. Today newspaper.
- Attended an online training workshop entitled Guidelines for the management practices of the red palm weevil on September 30, 2020, organized by the Arab Center for Arid Zones Studies, ACSAD.
- Attended A workshop entitled: Submitting and preparing your Manuscript: Submitting and preparing your Manuscript (Part 5 of 5, in Arabic language) at Egyptian Knowledge Bank presented by Researcher Academy on Campus team on Thursday 16 April 2020 by video conferencing technology.
- Attended A workshop entitled planning your article (Part 4 of 5, in Arabic language) at Egyptian Knowledge Bank presented by Researcher Academy on Campus team on Thursday 13 April 2020 by video conferencing technology.
- Attended A workshop entitled: Literature review & funding opportunities (Part 3 of 5, in Arabic language) at Egyptian Knowledge Bank presented by Researcher Academy on Campus team on Thursday 09 April, 2020 by video conferencing technology.
- Attended A workshop entitled identifying a research topic (Part 2 of 5, in Arabic language) at Egyptian Knowledge Bank presented by Researcher Academy on Campus team on Thursday 06 April, 2020 by video conferencing technology.
- Attended A workshop entitled: Elsevier core and research intelligence solutions on EKB (Part 1 of 5, in Arabic language) at Egyptian Knowledge Bank presented by Researcher Academy on Campus team on Thursday 02 April, 2020 by video conferencing technology.
- Attended a Consultation workshop entitled (our Priority Intervention Projects For the Development of Date Palm Value Chain in the Arab region) on 4 Nov. 2019 at Pyramisa hotel organized by Arab Organization for Agricultural Development (AOAD).

- Attended a conference entitled (The impact of climate change on plant pests and biodiversity in the desert environment) organized by the Desert Research Center from 19 to 20 October 2019 in Ain Shams Guest House.
- Travel to Beirut - Republic of Lebanon from 27 to 28 September 2019 to attend the meeting of the Arab scientific team to combat the Red Palm Weevil affiliated to (ACSAD).
- Attended a workshop entitled (Improving the final product of date palm trees) from 23 to 24 September 2019 at the Climate Hall organized by the Central Laboratory for date Palm.
- Attended symposium entitled (New methods to raise and improve the productivity of dates) at the National Research Center on 22 September 2019.
- Attended a workshop entitled ("Future prospects for date palms in Egypt) on August 25, 2019, Horticulture Research Institute Giza.
- Attended a scientific seminar entitled "Disease & Pest Control Management in Date Palm Farms" by Prof. Dr. Mohamed Fawzy at the Plant Pathology Research Institute on 24 July 2019.
- Attended the 14th scientific conference for agriculture development research (Biotechnology and agriculture development) , on 17-18 March 2019 at faculty of agriculture –Ain shams university .
- Attended a workshop on using technology to solve the problems of climate change in the agricultural sector at the Regional Center for Food and Feeding - Agricultural Research Center - Giza on 15 January 2019.
- Attending a workshop entitled Science for life at national research center NRC on 26th November 2018.
- Attending a workshop entitled "The Promising Investment of Date Palm in Egypt", Horticulture Research Institute, Egypt, 13 November 2018.
- Attended a workshop entitled (Invasive Pests in the Middle East and North Africa), Alexandria, Egypt, from 4 to 5 November 2018.
- Attended a workshop entitled "Plant Extracts as a component of pest control" on 28-29 October 2018 at the Center for International Agriculture - Organization by Plant Protection Research Institute.
- Attending BioVision Alexandria (BVA) 2018 Conference, which have been held at the Bibliotheca Alexandrina during the period 20–22 April 2018.
- Attend The 3 d Egyptian Date palm Festival- Siwa 15-18 November 2017.
- Attending the 13th Conference of Zoology Society Egypt at the University of Beni Suef from 14 to 15 October 2017.
- Attendance of the 30th International Agricultural Exhibition for Africa and the Middle East (Sahara) from 27 to 30 September 2017 Cairo International Conference Center.

- Attended the 5th International Conference on Agricultural and Bio Engineering, entitled "The Role of Agricultural & biological Engineering for advancement of the Agricultural Sector", 26-27 September 2017, at the Agricultural External Relations Building in Dokki.
- Attendance of the third conference of the Agricultural Extension Society (the vision of young researchers of agricultural extension) from 10 to 11 July 2017 at the Center for Climate Change Information at the Agricultural Research Center.
- Coordination and participation in a workshop entitled "Developing the marketing system for dates in Egypt" at the Horticulture Research Institute, Agricultural Research Center, March 6, 2017.
- Attend The 2nd Egyptian Date palm Festival- Siwa 27-29 October 2016.
- Coordination and participation in a workshop at the Central Laboratory of the date palms research entitled Problems facing palm growers in Egypt and proposed solutions (October 4, 2016).
- Attended a workshop entitled "National project for developing the packaging system for the development of Egyptian agricultural exports" on September 19, 2016 at the Food Technology Research Institute of the Agricultural Research Center.
- Attended a workshop entitled "Strategy of development of the date sector in Egypt on 6 September 2016 in Cairo Conrad Hotel organized by FAO and UNIDO.
- Workshop at the Central Laboratory of date palms research , entitled Problems facing the industrialization and date factories in Egypt and the proposed solutions (September 5, 2016).
- Workshop at the Central Laboratory of date palms research, entitled "Problems Facing Export and Exporters of Dates in Egypt" and proposed solutions) on Wednesday, 24 August. 2016.
- Attended a workshop at the Central Laboratory of date palms research,, entitled "The role and achievements of the Central Laboratory of date palms research,in the development of dates sector", 1 August 2016.
- Attend the symposium entitled Nanotechnology and Certain Applications in Agriculture ,National Research Center ,Giza ,Egypt –July 24,2016 .
- Attend the International Workshop entitled Climate Change and Combat Desertification for Agriculture Production in Egypt and China at National Research Centre, Cairo , Egypt 27 April ,2016 .
- Attend a workshop entitled Using biotechnology to the development of communities at Cairo University on March 9 to 10, 2016 organizing by agency Middle East for training and consulting.
- Attend a workshop entitled future vision towards a safe , clean and sustainable environment, at Faculty of Agriculture, Cairo University on March03-2016 organizing by agency Middle East for training and consulting.

- Attended a workshop entitled "Pre-harvest Pests" of the Plant Protection Institute, Agricultural Research Center at Foreign Relations Department, Ministry of Agriculture, January 17-19, 2016.
- Workshop at the University of Benha on 18-02-2014 entitled date palm ambitions and challenges (palm weevil and methods of control) in the presence of professors of colleges and research centers, farmers and agricultural extension workers Qaliubiya Governorate.
- Coordination and participation in the second workshop at the Central Laboratory of the date palms research entitled (the role of universities and research centers in the control of red palm weevil) on May14-15/ 2013 .
- Coordination and participation in the first workshop at the Central Laboratory of the date palms research entitled "Access to scientific information on how to control the red palm weevil." on May 13 /2012.
- First International Scientific Conference for the Development of Date Palm and Dates sector in the Arab World Riyadh, Saudi Arabia 4-7 December 2011.
- Participation in the workshop on national action production, conservation and packaging of dates in the Arab world Cairo: 27 Shaaban 1432 H -28 July 2011 under the auspices of the Arab Organization for Agricultural Development AOAD Unit of the League of Arab States .
- Sixth International Conference of the Group of Mediterranean Research pesticides 27 - 30 October 2009 .
- Fourth International Conference of the Institute of Plant Protection Research "The use of modern biotechnology to address environmental changes to achieve sustainable agricultural development " in the period from 9 -12 November 2008.
- Attended the Second Arab Conference on Applications of Biological control of pests (The Egyptian Society for Biological Control of Pests) - (Library and Information Center, Faculty of Agriculture - Cairo University) - (7 - 10 April 2008).
- Participation in the coordination and preparation of the First International conference of date Palm Integrated crop management of date palm and its Impacts for protection and producing clean and safety dates 2-4 September 2007.
- Third International Date Palm Conference, Abu Dhabi, United Arab Emirates; 19 -21 February, 2006 .
- The First Arab Conference for the Applications of Biological Control of Pests (The Egyptian Society for Biological Control of Pests) - (Conferences Centre, Cairo University - Giza) - (5-7 / April 2004).
- Second Symposium on Biological Control of Pests in Egypt at The Egyptian Society for Biological Control of Pests (International Centre for Agriculture 19-20 / March 2002).

Training programs and courses:

- ❖ Attending a training course entitled the optimal use of fumigation gases in controlling grain and stored materials pests from August 22 to 23, 2022 at the Plant Protection Institute Dokki Giza.
- ❖ Attend a training workshop entitled(Cell Journals: First Class Research and much more) at the Agricultural Research Center on Wednesday 02 October 2019.
- ❖ Attend a training workshop entitled Enhance your research capacity: Modern knowledge course on Wednesday 25 September 2019 by the publishing house of Elsevier in the main hall of the Agricultural Research Center.
- ❖ Attend a training course entitled biological control of pests (elements & application) from 17 to 18 Decemberl 2018 at the Plant Protection Research Institute.
- ❖ Attend a training course entitled (Academic writing in English) Hosted by The Egyptian National Agricultural Library at 3 October 2018.
- ❖ Attended a training course on modern techniques in the control of rodents and domestic pests during the period from 6 to 7 August 2018 at the Plant Protection Research Institute.
- ❖ Attend a training course entitled "Pest Risk Assessment", during the period from 16 to 17 April 2018 at the Plant Protection Research Institute.
- ❖ Attend a training course entitled "The green houses", a step towards achieving sustainable development during the period from 19 March to 20 March 2018 at the Plant Protection Research Institute.
- ❖ Attend a training course entitled (Insect and animal quarantine pests) at the Plant Protection Research Institute from 14 to 15 January 2018.
- ❖ Attended a scientific symposium entitled (Agricultural Expert Systems) at the National Research Center on 3 January 2018.
- ❖ Attended a training course on modern applications of nanotechnology and its role in solving agricultural problems on 19-20 September 2017 in the central laboratory of NAMO technology and advanced materials.
- ❖ Attended the symposium on the definition of sources of scientific information for the Egyptian Knowledge Bank at the National Library on April 7 ,2016.
- ❖ Training session on alternatives to methyl bromide in store dates under the auspices of the United Nations Industrial Development Organization and the supervision of the Ozone Unit EEAA in collaboration with Dates Egypt Association on Tuesday 17 to Wednesday, November 18, 2015, Baron Palace Hotel and factory dates Oasis in Badr
- ❖ Attend a training course entitled how to write a scientific paper at Benha University- Faculty of Agriculture in 2015.
- ❖ The ethics of scientific research course at Benha University- Faculty of Agriculture on Jan-2015.

- ❖ Attend a training course on the armed forces device detected the red palm weevil and the injection device under pressure to control red palm weevil at agricultural research center, May 2015.
- ❖ Lectures on how to write a scientific paper - Faculty of Agriculture - Benha University ,2015.
- ❖ TOEFL course at Public Service Center of Foreign Languages - University of Banha with score of 616 , 2010.
- ❖ Course in the use of computers in statistics and analysis of experiments - Faculty of Agriculture - Banha University, 2009.
- ❖ Course in writing projects and research funding at Office of Management and Marketing Technology .ARC , 2009 .
- ❖ Attended English Coerces public levels (9-14) American University in Cairo 2004-2005 .
- ❖ **Languages skills :** 1-Mother Tongue: *Arabic*
- ❖ 2-Second Language: *English* (Very good, Speaking, Writing).
- ❖ 3- Basic Knowledge of Spoken French

- ❖ **Computer Skills:** Win XP. to. Win. 10 - MS-Office 2003 to 2016 - PC Maintenance skills.

Contact person(s):

- **Prof. Dr. Abdel Monem El-Bana** (Former Minister of Agriculture) **The Agricultural Research Center**. Headquarter Agric. Research Center. Phone: +20 (2) 3572-0944 Fax: +20 (2) 3572-2609. website: www.arc.sci.eg.
- **Prof. Dr. Sherif El-Sharabasy** , Former director of **Central Laboratory For Date Palm Research** , Phone: Tel. office: + (20 2) 35689696, Fax: +(202) 35689696 Mobile (+20)01001106654, E-mail : sharabasydates@yahoo.com .
- **Prof. Dr. Abd Rabou Eid Hussein Hassan** , head of **plant protection department** – Faculty of Agric. Al Azhar Univ. Cairo. mobile: +201005607689 Tel: +202/35700608 Fax: +202/4011710 , E-mail: :Abdraboueid@hotmail.com - aymanh5@hotmail.com .

References are available on request