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PERSONAL INFORMATION

Birth Date	7/10/1978
Gender	Female
Nationality	Egyptian
Marital Status	Single
Profession	Professor , Plant Protection Research Institute, Agricultural Research Center, Ministry of Agriculture, Egypt
Mobile	002-0100-1068841

ACADEMIC BACKGROUND

Donostia International Physics Center, SPAIN	
Science by Women fellowship by the Mujeres por África Fundación "Biosynthesis of Nanocides by and against Insects and Mites" https://www.mujeresporafrica.es/content/africanas-que-lideran-la-investigacion-cientifica-n%C2%BA4 https://mujeresporafrica.es/en/africanas-que-lideran-la-investigacion-cientifica-no4-2	2019
Faculty of Agriculture, Mansoura University, Dakahlia, EGYPT	
1-Ph.D of Pesticides toxicology and Resistance, Pesticides Dept. http://www.eulc.edu.eg/eulc_v5/Libraries/Thesis/BrowseThesisPages.aspx?fn=PublicDrawThesis&BibID=341508	2010
2-MSc. of Pesticides and its sub lethal concentrations effects on pests, Pesticides Dept.	2003
3-BSc. of Plant protection Dept.,(Very Good Honors), Ranked as the First of Plant Protection Dept.	1999

EXPERIENCE

Mites of Cotton and Field Crops Dept., Plant Protection Research Institute, Agricultural Research Center, Ministry of Agriculture, EGYPT	
1- Professor	2020-till now
2- Assistant Professor	2015-2020
3-Dr. Researcher	2010 -2015
4- Assistant Researcher	2003-2010
5- Researcher Assistant	2000-2003

INVENTIONS' PRIZES

1-Excellence Prize for The Best Scientist Gained the Highest Number of Medals and Awards All Over the Plant Protection Research Institute, Egypt on 3 Feb.,2019. Awarded for all innovated instruments related to "Solar Energy and Light Emitting Diodes to Control Agricultural Pests" .	
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2-Golden Medal Prize for Creative Invention Award at Bitgaram International of Electric Power Technology International Invention Fair (BIXPO2016), **Gwangju, Republic of South Korea** on 2-4 Nov., 2016. Awarded for the second edition of the instrument related to "Solar Energy and Light Emitting Diodes to Control Agricultural Pests".

3- Golden Medal Prize for Creative Invention Award at Bitgaram International of Electric Power Technology International Invention Fair (BIXPO2016), **Gwangju, Republic of South Korea** on 2-4 Nov., 2016. Awarded for "Drone of Light Emitting Diodes (LEDs) against Insects"

4- Special Award from Indonesian Invention and Innovation Promotion Association (IINNOP) at Bitgaram International of Electric Power Technology International Invention Fair (BIXPO2016), **Gwangju, Republic of South Korea** on 2-4 Nov., 2016. Awarded for the second edition of the instrument related to "Solar Energy and Light Emitting Diodes to Control Agricultural Pests".

5- Golden Medal Prize from the International Exhibition of Innovations, New Technologies & Design "INVENTIONS – BELGRADE 2016", **Belgrade, Serbia** on 26-30 Sept., 2016. Awarded for the second edition of the instrument related to "Solar Energy and Light Emitting Diodes to Control Agricultural Pests".

6-The Best Invention Award at India International Innovation Fair (IIF2016), **Bengaluru, India** on 9-11 Sept., 2016. Awarded for the second edition of the instrument related to "Solar Energy and Light Emitting Diodes to Control Agricultural Pests".

7-Silver Prize for Second Place Award at The Training Workshop on Technopreneurship for Women in Science, Technology and Innovation (STI) 2016 under auspicious of UNESCO, ISESCO and other organizations in, **Kuala Lumpur, Malaysia** on 5-9 September 2016. Awarded for the full commercialized project proposal depended on the innovated instrument related to "Solar Energy and Light Emitting Diodes to Control Agricultural Pests".

8-Excellent Innovation Award at International Invention Innovation Competition in Canada (iCAN 2016) through Toronto International Society of Innovation and Advanced Skills (TISIAS), **Toronto, Canada** on 27 August, 2016. Awarded for the second edition of the instrument related to "Solar Energy and Light Emitting Diodes to Control Agricultural Pests".

9-The Outstanding International Diploma Award at The First Annual International Exhibition of Economic and Scientific Innovations (INTARG), **Katowice, Poland** on 20 June 2016. Awarded for the second edition of the instrument related to "Solar Energy and Light Emitting Diodes to Control Agricultural Pests".

10-The Outstanding International Diploma Award and Silver Medal at European Exhibition of Creativity and Innovation (EUROINVENT 2016) from **Romania** on 19-21 May 2016. Awarded for the second edition of the instrument related to "Solar Energy and Light Emitting Diodes to Control Agricultural Pests".

11-The Outstanding International Diploma Award at XIX Moscow International Salon of Inventions and Innovation "Archimedes" from **Moscow, Russia** on March 29 - April 1, 2016. Awarded for my invented instrument "Solar Energy and Light Emitting Diodes (LEDs) to Control Agricultural Pests".

12-Gold Medal Prize at Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition (IPITEX 2016) in Thailand Inventors' Day 2016 under National Research Council of Thailand. Bangkok International Trade & Exhibition Centre (BITEC), **Thailand**. 2-6 February, 2016. Awarded for my invented instrument "Solar Energy and Light Emitting Diodes (LEDs) to Control Agricultural Pests".

13-Silver Medal Prize at Seoul International Innovation Fair 2015. **Seoul, South Korea**. 25-28 November, 2015. Awarded for my invented instrument "Solar Energy and Light Emitting Diodes (LEDs) to Control Agricultural Pests".



14-Gold Medal Prize at Connectarabs Competition All Over Egyptian Universities and Academic Research Centers. It was sponsored by Egyptian Businessmen and Manufacturers. 20 November, 2015. **Cairo, Egypt**. Awarded for my invented instrument "Solar Energy and Light Emitting Diodes (LEDs) to Control Agricultural Pests".



15-Gold Medal Prize at XI International Salon Of Inventions And New Technologies «NEW TIME», «Stable Development In Time Of Changes». **Sevastopol, Russian federation** "Best Western Hotel Sevastopol".01-03October, 2015.



Awarded for my invented instrument "Solar Energy and Light Emitting Diodes (LEDs) to Control Agricultural Pests".

16-Gold Prize for Advanced Scientific Researcher and the Best Scientific Research Paper at the Fourth International Conference of Agricultural and Biological Engineering (ICABE4). 6-9 Sept.2015, **Cairo, Egypt**. Awarded for my research paper "Phototactic Effects of Solar Energy and Light Emitting Diodes (LEDs) on *Propylea quatuordecimpunctata* L. against *Phenacoccus solenopsis* Tinsley".



17-Bronze Prize for Third Place at Falling Walls Lab2015 Cairo. **German Science Centre Cairo (DWZ)**, the falling walls foundation and supported by A.T. Kearney and Festo on 25 July 2015. Awarded for **Breaking the Wall of Diode against pests.**



18-Special Prize for Special Innovation from the 17th Al-Bassel Fair for Invention and innovation. **Damascus, Syrian Arab Republic**.10July,2015. Awarded for my invention "Solar Energy and Light Emitting Diodes (LEDs) to Control Agricultural Pests".



19-Honor and Appreciation for all of my invention prizes from Mites of Cotton and Field Crops Dept., Plant Protection Research Institute. **Egypt**.10 May, 2015.

20-Gold Prize for Advanced Scientific Researcher and The Best Scientific Research At The Fifth International Conference Coordinators of Arab Union for Sustainable Development & Environment AUSDE: "Future of Water, Energy, Climate and Food Nexus in the Arab Countries. 22-24 March, **Cairo Univ., Egypt**. Awarded for my research paper "Direct Effects of Light Emitting Diodes (LEDs) on The Two-Spotted Spider Mite, *Tetranychus urticae*".



21-Honor and Appreciation from The Scale Insects Dept., Plant Protection Research Institute. **Egypt**. 16 March, 2015.

Awarded for my research "Solar Energy and Light Emitting Diodes (LEDs) to Control Agricultural Pests"

22-Gold Medal at Forum of Innovation in Agriculture, **National Research Center (NRC), Egypt**.27-28 Jan, 2015.Awarded for my invention "Solar Energy and Light Emitting Diodes (LEDs) to Control Agricultural Pests"



23-Silver Medal At 7th International Fair on Innovation in Agriculture, Food Industry And Agriculture Machinery, **Croatia**. 9-11 May, 2014. Awarded on all of my full research concerning *Plocamium cartilagineum* as a Pesticide and Anti-Cancer.



24- Achievement Award From 6th October University as The Best Egyptian Scientific Student In Agriculture Faculties All Over Egypt. 1999.

PRESENTED LITERATURES

-Keynote Speaker at Online Webinar through Science Faculty, Basrah University, Iraq. 15 Sept, 2021.

<https://youtu.be/ygHNRKx3PRU>

-Light Emitting Diodes (LEDs) to Control Agricultural Pests..

-Speaker at Workshop of Acari Predators and its role in exported crops, on 9th August 2021, at Plant Protection Research Center, Giza, EGYPT.

-Advanced technologies to control mites biologically.

-Keynote Speaker at Online Webinar through Researchers Meeting in Acarology. 1 Jan., 2021.

https://www.youtube.com/watch?v=thOur5UFAFo&feature=emb_logo

-Smart Management of phytophagous mites.

-Keynote Speaker and Chairperson at World Forum for Women in science,3rd International Conference for Women in Science network (WISWB 2019),12-14 March 2019, British University in Cairo, Egypt.

-Internet of Biological Control Against Agricultural Pests.

-Keynote Speaker at The Training Course for Advanced Techniques to Control Agricultural Pests. The Arab Organization for Agricultural Development (AOAD) on 3-10 Dec.,2017. Regional Office for The Middle Region in EGYPT.

-Solar Energy and Diodes against Agricultural Pests.

-Keynote Speaker at International Egyptian Czech Conference for Nanotechnology Applications in Agricultural Sector 2017 (IECCNA) on 10-11 October, at Agriculture Faculty, Cairo University, Cairo, EGYPT.

-Green Nanoparticles from Neglected Resources against Agricultural Pests.

-Keynote Speaker at 7th Arab Conference around the Role of Innovation and Scientific Research in the Entrepreneurship and Social Development, on 3rd April 2017, at The Arab Union for Leadership Development at Al-Azhar University, Cairo, EGYPT.

-Scientific Entrepreneur as a Solution of Egyptian Economic Challenges.

-Keynote Speaker at International Workshop of Nanotechnology and its applications in Agriculture, on 14th November 2016, at Central Laboratory of Pesticides (CLP), Giza, EGYPT.

-Footprints of Nanotechnology and diodes in Plant Protection.

-Keynote Speaker at International Workshop of Nanotechnology and its applications in Agriculture, on 24th July 2016, at National Research Center (NRC), Giza, EGYPT.

-Nanopesticides and Its Mode of Action.2016

-Keynote Speaker at International Workshop of Climate Change and Combat Desertification for Agricultural Production in Egypt and China, on 18th April 2016, at National Research Center (NRC), Giza, EGYPT.

-Climate-Smart Pest Control.2016

- Keynote Speaker at Agriculture Faculty, Ain Shams University, Cairo, EGYPT. 23rd March 2016.

-Innovations in Plant Protection.2016

-Keynote Speaker at Middle East Agency for Scientific Research, on 3rd February 2016, at Agriculture Faculty, Cairo University, Cairo, EGYPT.

-New Technology to Control Agricultural Pests.2016

-Keynote Speaker at Bibliotheca Alexandrina Renewables & Water Forum, on 8th December 2015, at Bayet El Sennary, Cairo, EGYPT.

-As a Part of COP21: Solar energy role in ecosystem and climate changes in Egypt.2015

-Keynote Speaker at Cairo Innovates Festival on 25th November 2015, at Cleantech Arabia booth, Baron Palace, Cairo, EGYPT.

-Diodes against agricultural pests in the year of light 2015

-Keynote Speaker at 6th GulfEco Conference & Expo, on 21-22 January 2013 in Golden Tulip Hotel. Muscat, Oman.

-Solar Energy and Organic Agriculture.2013

-At Plant Protection Research Institute, Agriculture Research Center, EGYPT

1-Applications of Advanced Sciences to Control Mites.2016

2-Solar Energy Application against Some Herbivores Mites.2016

3- Solar Energy and Light Emitting Diodes (LEDs) to Control Agricultural Pests.2015

4- Nanopesticides Formulation and Release Technique.2010-2012

5- Relation between Neurobiology of Insects and Pesticides Chemistry. 2010-2012

6-Biology Language and Toxicology.2009-2012

TRAINING

Course Name	Place	Date
Online Workshops related to Scientific Writing	IFAD, ELSEVIER, SCOPUS	2021
Online Workshops related to nanotechnology and materials sciences	Basrah University, Iraq	2021
Online Workshops related to environmental pollution	EPA, USA	2021
IBM- Cloud Computing & Artificial Intelligence Workshop	Delta Technopreneurs Association, Egypt	13 April, 2019
Workshop on Science diplomacy, Innovation, and Entrepreneurship for sustainable development	British University, Egypt	10-11 March, 2019
Erasmus Program Week through Pitesti University, Romania.	Mansoura University, Egypt	18 Sept.,2018
PANORAMA Solutions for a Healthy Planet Reviewers' e-course	IUCN and UN	15Sept.,2018
Technopreneurship for Women in Science, Technology and Innovation Workshop	UNESCO and ISESCO, Kuala Lumpur, Malaysia	4-9 Sept., 2016
Bioinformatics Workshop	Nile Center For Experimental Researchers, Mansoura, Egypt	15 Aug.,2016
EndNote X7 Workshop	National Research Center, Cairo, Egypt	31 May,2016
Magnetic Agriculture :New approach for food, feed and water security Forum	National Research Center, Cairo, Egypt	30 May,2016
SDGs kickstart and SBC on Energy Efficiency and Renewable Energy	UN Global Compact Network Egypt, Sofitel Hotel, Cairo, Egypt	25 May,2016
Symposium on Plant Biotechnology: Applications	Plant Biotechnology Dept., National Research Center, Cairo, Egypt	20-21 Dec.,2015
Creativity and Innovation Techniques	DAAD Kairo Akademie, Cairo, Egypt	21-22 July,2015
Communication and Rhetorical Techniques	DAAD Kairo Akademie, Cairo, Egypt	13-14 July,2015
Developing The Culture of Nuts Trees in New Suez Canal Places	National Research Center, Cairo, Egypt	14 June,2015
Practical Approach in Molecule Simulations and Dynamics	Biodiscovery Group, India and Biotech Egypt. Giza, Egypt	12-13 June,2015
Information and Communication Technologies (ICT)	Indian Institute of Technology Kanpur (IITK) and the University of Agricultural Sciences- Raichur (UASR)	17 March-21April,2015
SCITA Biofans Conference	Medicine Faculty, Cairo University, Egypt	1-2 Feb.,2015
Photovoltaic Off-Grid Systems workshop	DGS-SEDA Solar School,American University in Cairo (AUC),Egypt	29-31 Dec.,2014
International Training Workshop On Safe Production Of Grains	Shenyang Agricultural University, China	11-30 Sept.,2014

Bioinformatics Applications Course	Toronto University, Canada	15-28 Feb.,2014
Basic and Advanced Molecular Biology Workshop	Nile Center For Experimental Researchers, Mansoura, Egypt	18-20 Feb.,2014
Applications of Bioinformatics In Pharmacy	Alkharizmi Scientific Research Center of Bioinformatics, 6 th October, Egypt	14-15 Feb.,2014
Basics of Bioinformatics and General Apps.	Egyptian Syndicate of Scientific Professions ,Cairo, Egypt	8 Feb.,2014
Environmental Pollutants Detection Using The Atomic Absorption Workshop	Fac.Veterinary, Beni Suef Univ.,Egypt	21-22 Oct.,2012
Practical Pharmaceutical Nanotechnology Workshop	Fac. Pharmacy, Ain Shams Univ.,Egypt	28 April,2012
International Publishing of The Further Domain Academic Skills Workshop	DAAD Kairo Akademie, Cairo, Egypt	4 June,2012
NanoTech Egypt, BAHGAT Group,2 nd Scientific Forum	Dream Club,Dreamland,6 th October, Egypt	30 Dec.,2011
Proposal Writing Workshop For Candidates Aiming To Apply For The German-Egyptian Research Long-Term Scholarship	DAAD Kairo Akademie, Cairo, Egypt	11 July,2011
NanoTech Egypt, BAHGAT Group,1 st Scientific Forum	Dream Club,Dreamland,6 th October, Egypt	30 Dec.,2010
Workshop On Multivariate Analysis And Its Biological Applications	Fac.Science,Tanta Univ., Egypt	11 Nov.,2010
Workshop On Electron Microscope And Its Applications	Fac.Science,Tanta Univ., Egypt	10 Nov.,2010
Training on advanced ways to make good cultures of honey bees	Plant protection Res.Inst., Mansoura Branch, Dakahlia Gov.,Egypt	2009
Training on advanced trends to control pests infested various orchards	Plant protection Res.Inst., Mansoura Branch, Dakahlia Gov., Egypt	2009
Training on advanced ways to control pests infested orchards and fruits	Plant protection Res.Inst., Mansoura Branch, Dakahlia Gov., Egypt	2008
Training on advanced ways to control harmful animals such as snakes and snails	Plant protection Res.Inst., Mansoura Branch, Dakahlia Gov., Egypt	2003-2008
Training on advanced ways to control harmful birds infested some economic plants	Plant protection Res.Inst., Mansoura Branch, Dakahlia Gov., Egypt	2002-2007
Training on advanced ways to control mites which attack fruit trees and vegetables	Plant protection Res.Inst., Mansoura Branch, Dakahlia Gov., Egypt	2001-2005

MY PUBLISHED BOOKS

- 1- Rania A.Abd El-Wahab.2021.Light Emitting Diodes (LEDs). Chapter: Light Emitting Diodes to control agricultural pests. Under Publishing. SPRINGER.
- 2- Rania A.Abd El-Wahab Mohamed. 2010. Toxicity and Subtle Effects of Pesticides on Piercing-Sucking Pests.pp.238. Lambert Academic Publishing GmbH & Co.KG. ISBN 978-3-8433-7596-2

COMPUTER SKILLS

Cisco	:	CISCO IT Essential 5.0 , CCNA
Microsoft	:	MCSA2012, Windows Server 2012,ICDL v.4, Windows 8,7,XP, MsOffice2013 ,2010
Programming Languages	:	C++, Android , JAVA, BioJAVA, Visual Basic Apps, BioVisual Basic
Data Analysis Progs.	:	SPSS and XLSTAT,etc.

ENGINEERING SKILLS

Machine Learning, IBM Watson Assistant, Embedded Systems, Arduino, PLP, Elect. AutoCAD, Robots Develop., LED and Organic LED Develop.

PROJECTS

1- Supervisor of the pesticides evaluation project to control pests on garlic in Dakahlia Governorate, Egypt.	2020
2- Awarded as a leader of my team Technosens (Innovated Unmanned Vehicle Against Pests) in GESR (A project of Misr El Kheir Foundation, EGYPT).	2016
3-Vice Supervisor of pesticides evaluation project to control pests on vegetables in Dakahlia Governorate, Egypt.	2014-till now
4- Awarded as a leader of my team ASCP (Advanced Sciences Control Pests) in GESR (A project of Misr El Kheir Foundation, EGYPT). http://gesr.net/	2014
5-Participation in governmental projects of snails and slugs control by various new pesticides. Egypt.	2000- till now
6-Participation in governmental project of Bollworms control in Dakahlia Governorate, Egypt.	2000-2010

LANGUAGE SKILLS

Arabic	:	Mother Tongue
English	:	Excellent
French	:	Very Good
Chinese	:	Good
Russian	:	Good
Germany	:	Good

CONFERENCES

1-Abd EL-Wahab,R. 2019. Climate-Smart Pest Management by Light Emitting Diodes (LEDs) against Agricultural Pests. 1st Conference of Plant Protection Science Applications for Sustainable Development of Desert Areas.19-20 October 2019, Desert Research Center, Egypt.

2-Abd EL-Wahab,R. 2019. Internet of Biological Control Against Agricultural Pests. World Forum for Women in science,3rd International Conference for Women in Science network (WISWB 2019),12-14 March 2019, British University in Cairo, Egypt.

- 3-Abd EL-Wahab,R.** 2019. Light Emitting Diodes (LEDs) as Reducers of Metabolic Pesticides' Resistance in Tetranychid mites. 9th International Conference of Sustainable Agricultural Development, on 4-6 March 2019, Fayoum University, Egypt. <http://www.fayoum.edu.eg/Agri/conference3/pdf/Researches/E/15.pdf>
- 4-Abd EL-Wahab,R.** 2019. Green Silver nanoparticles by and against the two-spotted spider mite, *Tetranychus urticae*. RAK– CAM, IWAM 2019 (International Workshop on Advanced Materials 2016), 21-23 Feb., Ras Al Khima, UAE.
- 5-Abd EL-Wahab, R.**2017. Internet of Things (IoT) To Control The Two-Spotted Spider Mite, *Tetranychus urticae* Koch in Greenhouses. 12th International Arab Congress of Plant Protection, 4 – 10 November 2017, Hurghada, Egypt. <https://asplantprotection.org/wp-content/uploads/2019/01/Abstracts-book-English-11th-ACPP-Amman-Jordan.pdf>
- 6-Abd EL-Wahab, R.**2017. Green Gallic Acid Nanoparticles to Reduce Metabolic Pesticides' Resistance in Some Mites. International Egyptian Czech Conference for Nanotechnology Applications in Agricultural Sector 2017 (IECCNA).10-11 October, Cairo, Egypt.DOI: [10.15413/ajar.2017.IECCNA.2](https://doi.org/10.15413/ajar.2017.IECCNA.2)
- 7-Gorica Lj. Vuković, Vojislava P. Bursić, Goran A. Aleksić, Slobodan T. Kuzmanović, Magdalena X. Cara and Rania Ahmed Abd El-Wahab.**2017. Data Acquisition of Triple Quadrupole LC/MS for the Citrinin Determination. The 6th International Scientific Meeting Mycology, Mycotoxicology, And Mycoses. Шести Међународни Научни Скуп Микологија, Микотоскикологија И Микозе.27–29 September, 2017/27–29. Септембар 2017. Матика Српска, Нови Сад, Serbia/ Матица Српска, Нови Сад, Србија.
- 8-Abd EL-Wahab,R.** 2017. Innovated Fast System to Detect Resistance of Vertimec (Abamectin) in the Two Spotted-Spider Mite, *Tetranychus urticae* Koch .5th Int. Conference of Agricultural and Biological Engineering (ICABE5). 26-27 Sept, Cairo, Egypt.
- 9-Abd EL-Wahab, R.**2017. Drone of light emitting diodes (LEDs) against insects and mites. Advanced Technologies and their Application in Agriculture. National Research Center (NRC). 27-29 March 2017, Cairo,Egypt.
- 10-Abd EL-Wahab, R.**2017. Drone of light emitting diodes (LEDs) with solar energy against insects. The Conference German-Egyptian Network for Innovation and Development (GENID) by the Alexander von Humboldt Foundation, 21-23 Feb., Cairo, Egypt.
- 11-Abd EL-Wahab, R.**2016. Special show of two inventions, stable unit and Drone of light emitting diodes (LEDs) against agricultural pests. BIXPO 2016(Bitgaram International Exposition of Electric Power Technology),1-6 November, Kimdaejung, Gwangju, South Korea.
- 12-Abd EL-Wahab, R.**2016. Food production depending on safe tools .7-9 Nov., 2016. Gulfood Manufacturing, Dubai World Trade Centre, Dubai, UAE.
- 13-Abd EL-Wahab,R .** 2016. Green Nanoparticles as Reducers of Metabolic Pesticides' Resistance in Some Mites. The Arab Conference on Biophysics (ACB2016), 27-29 Sept.,The Academy of Scientific Research and Technology, Cairo, Egypt.
- 14-Abd EL-Wahab,R .**2016. Solar Energy and Light Emitting Diodes (LEDs) to Control Agricultural Pests. IUCN World Conservation Congress.1-10 September 2016. Hawai'i, USA.
- 15-Abd EL-Wahab,R .** 2016. Global Alliance for Climate-Smart Agriculture (GACSA) Annual Forum. 15-17 June 2016.FAO, Rome, Italy.
- 16-Abd EL-Wahab,R .**2016. Eco-Environmental Diodes to Control Agricultural Pests. Bio Vision Alexandria 2016, 12-14 April, Bibliotheca Alexandrina (BA), Alexandria, Egypt.
- 17- Abd EL-Wahab,R .**2016.The innovative instrument "Solar Energy and Light Emitting Diodes (LEDs) to Control Agricultural Pests" shared at Global Forum For Innovations In Agriculture (GFIA).Abu Dhabi, UAE. 16-18 February, 2016.
- 18-Abd EL-Wahab,R .** 2016 New Ecofriendly Technology to Control Agricultural Pests. RAK– CAM, IWAM 2016 (International Workshop on Advanced Materials 2016), 21-23 Feb., Ras Al Khima, UAE.

- 19-Abd EL-Wahab,R** .2015. Eco-Friendly Technologies to Reduce Pesticides' Resistance in Some Tetranychid Mites. Desert Technology 12th International Conference (DT12).Cairo University in partnership with Japanese University in Egypt. 16-19 November, Cairo, Egypt.
- 20-Abd EL-Wahab,R** .2015. 1st World Forum on Ecosystem Governance. **Contributed Officially in China Declaration of Climate Changes and Ecosystem with IUCN and UN as premium organizers** .23-28 October, Yunhu Lake Resort, Beijing, China.
- 21- Abd EL-Wahab,R** .2015. Indirect role of solar energy in controlling predators' behavior against the two forms of *Tetranychus urticae* Koch.2nd Young Researchers Conference at Suez Canal University, Ismailia, EGYPT. Renewable Energy Session, 24-25October, 2015.
- 22- Abd EL-Wahab,R** .2015.Euro-Mediterranean Solar BIPV Conf. and B2B by FOSTer in MED project. 16 September 2015 at the Cairo Marriott Hotel.
- 23- Abd EL-Wahab,R** .2015. Solar Energy and Light Emitting Diodes (LEDs) to Control Agricultural Pests.Poster at The 5th Arab Beverages Conference and Exhibition ABCE 2015. 8-9 Sept. 2015, Grand Hyatt Amman, Amman, Jordan.
- 24- Abd EL-Wahab,R** and Abouhatab, E. E.2015. Phototactic Effects of Solar Energy and Light Emitting Diodes (LEDs) on *Propylea quatuordecimpunctata* L. against *Phenacoccus solenopsis* Tinsley. Fourth Int. Conference of Agricultural and Biological Engineering (ICABE4). 6-9 Sept, Cairo,Egypt.
- 25- Abd EL-Wahab,R** .2015. Agricultural Infotronic System to *Tetranychus urticae*. Int. Conference on "Agriculture and Environment for Sustainable Development". Agricultural Research and Biological Division National Research Centre. 25-27 May, Cairo, Egypt.
- 26- Abd EL-Wahab,R** .2015. Nanoparticles as attractants of *Scolothrips sexmaculatus* to its treated prey, *Tetranychus urticae* .5th Int. Conf. Plant Protection Research Institute. 3-6 May, Hurgada, Egypt.
- 27-Abd EL-Wahab,R** .2015.The Direct Effect of Light Emitting Diodes (LEDs) on The Two Spotted Spider Mite,*Tetranychus urticae*. The Fifth International Conference Coordinators of Arab Union for Sustainable Development & Environment AUSDE: "Future of Water, Energy, Climate and Food Nexus in the Arab Countries. 22-24 March, Cairo Univ., Egypt.
- 28-Abd EL-Wahab,R** . 2015. Green Technologies to Control Pesticides Resistance in Mites of Family Tetranychidae. RAK-CAM, IWAM 2015 (International Workshop on Advanced Materials 2015), 22-24 Feb., Ras Al Khima, UAE.
- 29-Abd EL-Wahab,R** . 2015. Solar Energy and Light Emitting Diodes to Control Agricultural Pests. Innovations in Agriculture Forum, 28-30 Jan., 2015, National Research Center, Egypt
- 30-Abd EL-Wahab,R** . 2013. Nanoparticles as Fertilizers and Pesticides of Soybean Plants in Hydroponic. RAK-CAM, IWAM 2013 (International Workshop on Advanced Materials 2013), 22-24 Feb., Ras Al Khima, UAE.
- 31-Abd EL-Wahab,R**. 2012. Difference of toxicity of Cypermethrin as Normal and Nano molecules against piercing sucking pests. RAK-CAM, IWAM 2012 (International Workshop on Advanced Materials 2012), 22-24 Feb., Ras Al Khima, UAE.
- 32- Vuković, G., Lazić S., Bursić, V., Ivanišević, D., Korać, N., Abd Elwahab, R.A. and Špirović, B.** 2011. GC-MS/MS Determination of Pesticide Residues in Wine and Grapes Produced in Sremski Karlovci – Serbia. 7th International Symposium of Mediterranean Group of Pesticide Research (MGPR), "Paolo Cabras", 9-11-Nov, 2011. Aristotle University of Thessaloniki, Thessaloniki, Greece..
- 33- Abd EL-Wahab,R.A., Bursić,V. and Lazić,S.** 2011. Studies on side effects of Violacene, halogenated the Symposium <Food Safety Production> proceedings. monoterpenes, on albino rats.22nd International Trebinje, Bosnia and Herzegovina, 19-25 June, 2011.p:371-373.
- 34- Abd EL-Wahab,R.A., Bursić,V. and Lazić,S.** 2011. KDR (Knock-Down Resistance) Detection of Cypermethrin in *Nezara viridula* (Homoptera : Pentatomidae).International Symposium <Food Safety Production> proceedings. Trebinje, Bosnia and Herzegovina, 19-25 June, 2011. P: 374-376.
- 35- Vojislava Bursić, Sanja Lazić, and Rania A. Abd EL-Wahab.** 2011. Applicability of gas and liquid chromatography to the analysis of metalaxyl-M and chlorothalonil residues.22nd International Symposium

<Food Safety Production > proceedings. Trebinje, Bosnia and Herzegovina, 19-25 June, 201.P: 365-367.

36-Abd EL-Wahab, R.2010. Studies on Side Effects of The Red Alga, *Plocamium cartilagineum* extracts on some laboratory animals.9th International Marine Biotechnology Conference (IMBC2010), 8-12th October, 2010, Qingdao, China.

37-Abd EL-Wahab, R.2010. Toxicity evaluation of Cypermethrin as normal and nano molecules-New approach in safe food production. XIV INT.ECO-CONF .22-25th Sept., 2010.Novi Sad Univ., Serbia.p:141-145. <http://agris.fao.org/agris-search/search.do?recordID=RS201301187>

38-Abd EL-Wahab, R.2009.Toxicity of Sulfoximine against some aphids. Sixth International Symposium of Mediterranean Group on Pesticide Research (MGPR) 27-30th October, 2009, Giza, EGYPT. Egypt. J. Agric. Res. 87(2):91-101.

39-Abd EL-Wahab, R.2005.Laboratory bioassay of *Metarhizium anisopliae* (METSCH.) against the two spotted spider mite, *Tetranychus urticae* KOCH (Acari: Tetranychidae). Third International Conference of Plant Protection Research Institute.26-29Nov. 2005.Giza, Egypt.

40-Participation without paper in the Second International Conference of Plant Protection Research Institute .21-24 Dec.2002.

PUBLISHED PAPERS

1- Abd EL-Wahab, R.A. 2020. Anoxia as a treatment against *Tetranychus urticae* and *Spodoptera littoralis*. Int.J.Comput. Biol.Sci., 1(1):20-29. <https://www.ijcbs.org/index.php/ijcbs/article/view/3>

2-Abd EL-Wahab, R.A. 2020. Biosynthesized Silver nanoparticles (AgNPs) by and against the two-spotted spider mite, *Tetranychus urticae*. Egyptian Journal of Plant Protection Research Institute, 3 (1):83-97. <http://www.ejppri.eg.net/index.html>

3-Abd EL-Wahab, R.A. 2020. Biosynthesized Silver nanoparticles (AgNPs) by the two-spotted spider mite, *Tetranychus urticae* against the cotton leafworm, *Spodoptera littoralis*. Trends Appl.Sci. Res.,15(1): 103-109. <https://scialert.net/abstract/?doi=tasr.2020.103.109> DOI: [10.3923/tasr.2020.103.109](https://doi.org/10.3923/tasr.2020.103.109)

4-Abd EL-Wahab, R.A. 2020. Climate smart pest management by light emitting diodes (LEDs). Arab Journal Agriculture Sciences,3(5): 65-92. http://asajs.journals.ekb.eg/article_67990.html DOI: [10.21608/asajs.2020.67990](https://doi.org/10.21608/asajs.2020.67990) https://journals.ekb.eg/article_67990.html

5-Abd EL-Wahab, R.A. 2019. Light Emitting Diodes (LEDs) as reducers of metabolic pesticides' resistance in tetranychid mites. Fayoum J. Agric. Res.&Dev.,33 (1B):221-231. <http://www.fayoum.edu.eg/Agri/conference3/pdf/Researches/E/15.pdf>

6- Abd EL-Wahab, R.2018. Drone with Embedded Light Emitting Diodes (LEDs) Against Insects and Mites in Greenhouses. Current Trends in Natural Sciences. 7(14):10-22. <http://www.natsci.upit.ro/issues/2018/volume-7-issue-14/drone-with-embedded-light-emitting-diodes-leds-against-insects-and-mites-in-greenhouses/>

7-Abd EL-Wahab, R.2018. Detectable System of Resistance of Vertimec (Abamectin) within the Two Spotted-Spider mite, *Tetranychus urticae* Koch. Renewable Energy and Sustainable Development (RESD). 4(2):65-71. http://apc.aast.edu/ojs/index.php/RESD/article/view/04.2.065/pdf_21

8-Abd EL-Wahab, R.2018. Green Gallic Acid Nanoparticles to Reduce Metabolic Pesticides' Resistance in Some Mites. Academia Journal of Agricultural Research 6(5): 072-077. DOI: [10.15413/ajar.2017.IECCNA.2](https://doi.org/10.15413/ajar.2017.IECCNA.2)

9-Abd EL-Wahab, R.2017. Internet of Things (IoT) To Control the Two-Spotted Spider Mite, *Tetranychus urticae* Koch in Greenhouses. Egypt. Acad. J. Biolog. Sci., 9(3): 119-128. https://ejbsf.journals.ekb.eg/article_17033.html

10-Gorica Lj. Vuković, Vojislava P. Bursić, Goran A. Aleksić, Slobodan T. Kuzmanović, Magdalena X. Cara and Rania Ahmed Abd El-Wahab.2017. Data Acquisition of Triple Quadrupole LC/MS for the Citrinin Determination .Зборник Матице српске за природне науке / Matica Srpska J. Nat. Sci. Novi Sad.133: 131—141.www.doiserbia.nb.rs > ...

- 11-Abd El-Wahab, R.A.** 2016. Magnetic Water as Synergist of Pesticides Against *Monacha cartusiana*. International Journal of Biochemistry, Biophys.Mol. Biol. 1(2): 42-45.
<http://www.publishinggroup.com/journal/paperinfo?Journalid=246&doi=10.11648/j.ijbbmb.20160102.12>
- 12-Abd El-Wahab, R.A.** 2015. Nanoparticles as attractants of *Scolothrips sexmaculatus* to its treated prey, *Tetranychus urticae* . Int. J. Sci. Res. Agric. Sci., 93(1B):739-752. <http://connection.ebscohost.com/c/articles/110910166/nanoparticles-as-attractants-scolothrips-sexmaculatus-to-treated-prey-tetranychus-urticaekoch>
- 13-Abd El-Wahab, R.A.** 2015. Direct Effects of Light Emitting Diodes (LEDs) on The Two-Spotted Spider Mite, *Tetranychus urticae* .Int J Sci Res Agricul Sci, 2(Proceedings),pp.79-85. [Proceedings > IJSRAS-Proceedings-08](#)
- 14-Abd EL-Wahab R.A.**, Abouhatab, E.E. 2015. Phototactic Effects of Solar Energy and Light Emitting Diodes (LEDs) on *Propylea quatuordecimpunctata* L. against *Phenacoccus solenopsis* Tinsley. Int. J. Sci. Res. Agricul. Sci., 93(5A):1-14.
- 15- Abd EL-Wahab, R.** Anwar, E.M., Abouhatab, E. E. and Li, X. 2015. The Indirect Role of Solar Energy In Controlling Cotton Leafworm, *Spodoptera littoralis* (Bosid) (Lepidoptera: Noctuidae). Int.J. Chem. Biol. Sci. 1 (8): 1-8.
- 16- Abd EL-Wahab, R.** and Anwar, E.M. 2014. The Effect of Direct and Indirect Use of Nanoparticles on Controlling Cotton Leaf Worm , *Spodoptera littoralis*. Int. J. Chem. Biol. Sci. 1 (7): 17-24.
- 17- Abd El-Wahab, R.A.** and Lazic, S. and Bursic, V. 2014. Compatibility among Insect Predators and Light Emitting Diodes (LEDs) against the two forms of *Tetranychus urticae* in Greenhouses. Int. J. Chem. Biol. Sci. (IJCBS) 1 (5): 20-27.
- 18- Abd El-Wahab, R.A.** and Abouhatab, E. E. 2014. Effects of Light Emitting Diodes (LEDs) On the Insect Predators Behavior against the Two Forms of *Tetranychus urticae* Koch . Int. J. Chem. Biol. Sci. (IJCBS) 1 (4): 36-45. <https://mafiadoc.com/effects-of-light-emitting-diodes-leds-on-the-insect-5bb91ec4097c47e85c8b46ce.html>
- 19- Abd El-Wahab, R.A.** and Taha, T.M. 2014. The Relation Between Vertimec Resistance in The Two-Spotted Spider Mite, *Tetranychus urticae* and Climate Changes in Egypt. Int.J. Chem. Biol. Sci. 1(3): 1-10.
- 20-Abd El-Wahab, R.A.** and Bursic V .2014. Light Emitting Diodes (LEDs) Reduce Vertimec, Resistance in *Tetranychus urticae* (Koch).Int. J. Chem. Biol. Sci. 1(3):28-40.
<https://www.pesticideresistance.org/display.php?page=species&arId=536>
- 21-Abd El-Wahab, R.A.** . 2010. Effect of *Plocamium cartilagineum aegypticus* on *Boophilus annulatus*. Beni-Suef Vet. Med. J.20 (1): 379-382. http://www.bsu.edu/bsujournals/Content.aspx?paperId=256&cat_id=1
- 22-Abd El-Wahab, R.A.** , Anwar ,E.M. and EL-Gindy, M. A. 2009. Laboratory Studies on Spinosyns compounds against different pests. Acarines, 3:37-44. https://ajesa.journals.ekb.eg/article_4964.html
- 23- Negm, S., Saleh ,A., Abd Elhady ,A., Bekheat ,H. and Abd El-Wahab, R.A.** 2009. Demographic-toxicological studies related with resistance of different pesticides on *Tetranychus urticae* Koch (Acari:Tetranychidae). Egypt. J. Agric. Res. 87(4): 955-971.
<http://agris.fao.org/agris-search/search.do?recordID=EG2012000178>
- 24- Negm, S., Saleh ,A., Abd Elhady ,A., Bekheat ,H. and Abd El-Wahab, R.A.** 2009. Metabolic Resistance Mechanisms of Different Pesticides in The Two-Spotted Spider Mite, *Tetranychus urticae* Koch (Tetranychidae:Acari). Acarines, 3(1):45-53. http://journals.ekb.eg/article_4965_0.html
- 25- Abd El-Wahab, R.A.** 2009. Toxicity of Sulfoximine against some aphids. Egypt. J. Agric. Res. 87(2) 91-101. <http://nile.enal.sci.eg/cgi-bin/koha/opac-detail.pl?biblionumber=39591>
- 26- Abd El-Wahab, R.A.** 2005. Laboratory bioassay of *Metarhizium anisopliae* (METSCH.) against the two spotted spider mite, *Tetranychus urticae* Koch (Acari: Tetranychidae. Egypt. J. Agric Res., 83 (3): 1099-1105.

SUPERVISION

- Supervisor of the national project at plant protection research institute, entitled “control of garlic pests at Dakahia Governorate”. Egypt,2020.
- Mentor of the IUPAC 2019 Crop Protection Congress, Ghent, Belgium.
- Supervisor of 2 PhD candidates at Science Fac., Ain Shams Univ., Egypt.
- Supervisor of the board for second session (Earth Sciences, Ecology, Environment & Theology) of DIALOGO-CONF 2019, Romania. 4th Virtual International Conference on the Dialogue between Science and Theology. University of Constanta, Romania.3 – 12 Nov,2019.
- Supervisor of the board for second session (Earth Sciences, Ecology, Environment & Theology) of DIALOGO-CONF 2017, Romania. 4th Virtual International Conference on the Dialogue between Science and Theology. University of Constanta, Romania.5 – 11 Nov,2017.
- Judge Panel at 3rd International Scientific E-Conference" on "Research, Technology and Innovation: The Bedrock for Global Development". Texila American University (TAU), Guyana, South America. 7-11 Dec, 2017.
- Supervisor of the board for second session (Earth Sciences, Ecology, Environment & Theology) of DIALOGO-CONF 2016, Romania. 3rd Virtual International Conference on the Dialogue between Science and Theology. University of Constanta, Romania.5 – 11 Nov,2016. 2016
- Supervisor of the board for second session (Earth Sciences, Ecology, Environment & Theology) of DIALOGO-CONF 2015, Romania. 2nd Virtual International Conference on the Dialogue between Science and Theology. University of Constanta, Romania.5 – 11 Nov,2015.
- Judge Panel at 2nd International Scientific E-Conference" on "Research, Technology and Innovation: The Bedrock for Global Development". Texila American University (TAU), Guyana, South America. 7-11 Dec, 2015.

INTERESTINGS

- Have an experience in Microbiology to get new active ingredients from fungi,bacteria,...etc. to be used as biocides
- Inventor of 3 inventions which are mainly help in my field of studies: The latest one depend on the use of biosensor accompanied with nanopesticide to protect plants and specially palm trees of infestation with various pests without side effects on beneficial insects.

OTHERS

- Scientific Reviewer Member of Pure and Applied Biology (PAB).2019 till now.
- Editorial Board Member of Journal of Environmental Science and Technology (JEST).2019 till now.
- Scientific Reviewer Member of Advancements in Life Sciences.2018 till now.
- Member of Brazilian Entomological Society.2017 till now.
- Scientific Reviewer of Neotropical Entomology. 2017 till now.
- Scientific Reviewer of Punjab University Journal of Zoology (Punjab Univ. J. Zool.).2017 till now.
- Member of Arab Scientific Community Organization.2017 till now.
- Scientific Editor of Journal of Chemical, Environmental and Biological Engineering .2016 till now.
- Member of International Association for The Plant Protection Sciences (IAPPS), USA. 2016 till now.
- Member of Editorial Board of the 10th International Conference on Human Rights (ICHR). Zurich, Switzerland on May 8th, 2016.
- Member of Emirates Association of Chemical, Biological & Environment Engineers (EACBEE), UAE. 2016 till now.
- Scientific Reviewer of Pakistan Journal of Zoology. 2016 till now.
- Scientific Reviewer of Journal of Agricultural Science and Technology A & B, USA. 2016 till now.
- Member of Australian Entomological Society, Melbourne, Australia. 2016 till now.

RANIA AHMED ABD EL-WAHAB MOHAMED

- Scientific Reviewer of Journal of Plant Protection Research. Institute of Plant Protection – National Research institute, Polish Academy of Sciences - Committee of Plant Protection and Polish Society of Plant Protection. 2016 till now.
- Member of IEEE Collabratec™ .USA. 2016 till now.
- Member of World Heritage Centre, UNESCO. 2015 till now.
- Member of Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEs). 2015 till now
- Member of Organization for Women in Science for The Developing World (OWSD). Trieste, ITALY. 2015 till now.
- Scientific Editor of International Journal of Scientific Research in Agricultural Sciences.2015 till now.
- Scientific and Technical Committee & Editorial Review Board Member of World Academy of Science, Engineering and Technology (WASET). USA. 2015 till now.
- Member of African Solar Electric Light Foundation (ASELF).USA.2015 till now.
- Member of International Institute of Chemical, Biological & Environmental Engineering (IICBEE).2015 till now.
- Member of The Arab Union for Sustainable Development.2015 till now.
- Member of The Egyptian Association for Renewable Energy & The Environment 2015 till now.
- Member of Egyptian Association of Continuing Medical Education Development (EACMED) 2015till now.
- Member of The Arab Organization for Agricultural Development. 2014 till now.
- Member of The Arab Society for Plant Protection.2014 till now.
- Member of The Egyptian German Society of Zoology.2014 till now.
- Member of The Egyptian Society of Writers. 2014 till now.
- Member and Scientific Reviewer of International Academy of Arts, Science & Technology (IAAST).2014 till now.
- Scientific Editor of International Journal of Chemical and Biological Sciences. (IJCBS) .2014 till now.
- Member of The Egyptian Society for Environmental Sciences.2014 till now.
- Scientific Editor of Journal of Agricultural Economics and Development.2014 till now.
- Scientific Editor of Arab Journal of Data Analysis. 2014 till now.
- Scientific Editor of Arab Journal of Quality.2014 till now.
- Scientific Editor of Arab Journals such as “Al Ahram”.2013 till now.
- Participating in "Stars of Science" TV PROGRAME, second season, and classified at the first 27 candidates all over the Arab World Scientists. Doha, Qatar 2010
- Member of Egyptian Inventors Union (EIU).2010 till now.
- Member of The International Commission on Ecosystem Management (ICEM).2009 till now.
- Member of Egyptian Acarines Society.2009 till now.
- Scientific Editor of Contemporary Agriculture / Savremena Poljoprivreda, Novi Sad Univ.,Serbia. 2009 till now.
- Member of Egyptian Acarines Society.2009 till now.
- Member of International Scientific Academy of Engineering & Technology (ISAET). 2009 till now.

AND

Other Fields Which I Certified In Them	Place	Year
-Technopreneurship for Women in Science, Technology and Innovation Workshop	UNESCO and ISESCO, Kuala Lumpur, Malaysia	2016
- Project Management Professional (PMP)	American University in Cairo (AUC)	2015

RANIA AHMED ABD EL-WAHAB MOHAMED

-Honored From The Egyptian Society of Writers as One of Best Women Writers in Egypt at Science Field	International Book Fair, Egypt	2015
-Mini MBA (Master of Business Administration), American University in Cairo	(AUC) Egypt	2015
-Electronic Marketing Diploma from, EGYPT	League of Arab States, Egypt	2014
-International Diploma of Neurological language programming (NLP)	Canadian Center of Human Development, Canada	2013
-International Certified Arbitrator from American University of Sciences, USA.	(AUS) USA	2013
-International Certified Trainer Diploma from American University of Sciences, USA	(AUS) USA	2013
-International Diploma of Project Management (PM)	American Chamber of Commerce, Egypt	2013
-International Certified Arbitrator	League of Arab States, Egypt	2013
-International Diploma of Human Resources Diploma(HR)	Harvard Academy, UK	2010
-International Certified Employee	Harvard Academy, UK	2010