

C.V

**RANIA AHMED ABD EL-WAHAB MOHAMED**

[rania-proline@hotmail.com](mailto:rania-proline@hotmail.com)  
[raniakm@yahoo.com](mailto:raniakm@yahoo.com)



### Personal Information

Birth Date	7/10/1978
Gender	Female
Nationality	Egyptian
Marital Status	Single
Profession	Dr.Researcher, Plant Protection Research Institute, Agriculture Research Center , Ministry of Agriculture, Egypt
Home Address	Mansoura, Dakahlia. EGYPT
Mobile	002-0100-1068841

### Academic Background

Faculty of Agriculture, Mansoura University, Dakahlia, EGYPT	
1-Ph.D of Pesticides toxicology and Resistance, Pesticides Dept.	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, Agriculture Research Center, Ministry of Agriculture, EGYPT	
1-Assistant Professor	2015 till now
2- Dr. Researcher	2010-2015
3- Assistant Researcher	2003-2010
4- Researcher Assistant	2000-2003

### Invention Prizes

**1-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* "**



**2-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"**



**3-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.**

### **Presented Literatures**

**-Keynote Speaker at 6th GulfEco Conference & Expo, on 21-22 January 2013 in Golden Tulip Hotel through the Ministry of Environment. Muscat, Oman.**

**1-Solar Energy and Organic Agriculture.2013**

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

**1- Nanopesticides Formulation and Release Technique.2010-2012**

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

**3-Biology Language and Toxicology.2009-2012**

### **Training**

<b>Course Name</b>	<b>Place</b>	<b>Date</b>
<b>Information and Communication Technologies (ICT)</b>	<b>Indian Institute of Technology Kanpur (IITK) and the University of Agricultural Sciences- Raichur (UASR)</b>	<b>17 March-21April,2015</b>
<b>SCITA Biofans Conference</b>	<b>Medicine Faculty,Cairo University, Egypt</b>	<b>1-2 Feb.,2015</b>
<b>Photovoltaic Off-Grid Systems</b>	<b>DGS-SEDA Solar School,American University in Cairo (AUC),Egypt</b>	<b>29-31 Dec.,2014</b>
<b>International Training Workshop On Safe Production Of Grains</b>	<b>Shenyang Agricultural University,China</b>	<b>11-30 Sept.,2014</b>
<b>Bioinformatics Applications Course</b>	<b>Toronto University,Canada</b>	<b>15-28 Feb.,2014</b>
<b>Basic and Advanced Molecular Biology Workshop</b>	<b>Nile Center For Experimental Researchers,Mansoura,Egypt</b>	<b>18-20 Feb.,2014</b>
<b>Applications of Bioinformatics In Pharmacy</b>	<b>Alkharizmi Scientific Research Center of Bioinformatics, 6<sup>th</sup> October, Egypt</b>	<b>14-15 Feb.,2014</b>
<b>Basics of Bioinformatics and General Apps.</b>	<b>Egyptian Syndicate of Scientific Professions ,Cairo, Egypt</b>	<b>8 Feb.,2014</b>
<b>Environmental Pollutants Detection Using The Atomic Absorption Workshop</b>	<b>Fac.Veterinary, Beni Suf Univ.,Egypt</b>	<b>21-22 Oct.,2012</b>
<b>Practical Pharmaceutical Nanotechnology Workshop</b>	<b>Fac. Pharmacy, Ain Shams Univ.,Egypt</b>	<b>28 April,2012</b>
<b>International Publishing of The Further Domain Academic Skills Workshop</b>	<b>DAAD Kairo Akademie, Cairo, Egypt</b>	<b>4 June,2012</b>

<b>NanoTech Egypt, BAHGAT Group,2<sup>nd</sup> Scientific Forum</b>	<b>Dream Club,Dreamland,6<sup>th</sup> October, Egypt</b>	<b>30 Dec.,2011</b>
<b>Proposal Writing Workshop For Candidates Aiming To Apply For The German-Egyptian Research Long-Term Scholarship</b>	<b>DAAD Kairo Akademie, Cairo, Egypt</b>	<b>11 July,2011</b>
<b>NanoTech Egypt, BAHGAT Group,1<sup>st</sup> Scientific Forum</b>	<b>Dream Club,Dreamland,6<sup>th</sup> October, Egypt</b>	<b>30 Dec.,2010</b>
<b>Workshop On Multivariate Analysis And Its Biological Applications</b>	<b>Fac.Science,Tanta Univ., Egypt</b>	<b>11 Nov.,2010</b>
<b>Workshop On Electron Microscope And Its Applications</b>	<b>Fac.Science,Tanta Univ., Egypt</b>	<b>10 Nov.,2010</b>
<b>Training on advanced ways to make good cultures of honey bees</b>	<b>Plant protection Res.Inst., Mansoura Branch,Dakahlia Gov.,Egypt</b>	<b>2009</b>
<b>Training on advanced trends to control pests infested various orchards</b>	<b>Plant protection Res.Inst., Mansoura Branch,Dakahlia Gov., Egypt</b>	<b>2009</b>
<b>Training on advanced ways to control pests infested orchards and fruits</b>	<b>Plant protection Res.Inst., Mansoura Branch,Dakahlia Gov., Egypt</b>	<b>2008</b>
<b>Training on advanced ways to control harmful animals such as snakes and snails</b>	<b>Plant protection Res.Inst., Mansoura Branch,Dakahlia Gov., Egypt</b>	<b>2003-2008</b>
<b>Training on advanced ways to control harmful birds infested some economic plants</b>	<b>Plant protection Res.Inst., Mansoura Branch,Dakahlia Gov., Egypt</b>	<b>2002-2007</b>
<b>Training on advanced ways to control mites which attack fruit trees and vegetables</b>	<b>Plant protection Res.Inst., Mansoura Branch,Dakahlia Gov., Egypt</b>	<b>2001-2005</b>

### **My Published Books**

**1- Rania A.Abd El-Wahab Mohamed.2015. Chemical and Biological Treatments in combination With Physical Methods to Control *Tetranychus urticae*.pp.255. Under Publishing. Lambert Academic Publishing GmbH & Co.KG.**

**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**

### **Projects**

- 1- 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**
- 2-Participation in governmental project of Bollworms control in Dakahlia Governorate, Egypt. 2000-2010**
- 3-Participation in governmental projects of snails and slugs control by various new pesticides.Egypt. 2000-2003**

## **Computer Skills**

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

## **Engineering Skills**

**Arduino, PLP, Elect. AutoCAD , Robots Develop. , LED and Organic LED Develop.**

## **Language Skills**

<b>Arabic</b>	<b>:</b>	<b>Mother Tongue</b>
<b>English</b>	<b>:</b>	<b>Excellent</b>
<b>French</b>	<b>:</b>	<b>Good</b>
<b>Russian</b>	<b>:</b>	<b>Good</b>

## **Conferences**

- 1- Abd EL-Wahab,R .2015. Nanoparticles as an attractants of *Scolothrips sexmaculatus* to its treated prey,*Tetranychus urticae* .5<sup>th</sup> Int.Conf.Plant Protection Research Institute. 3-6 May, Hurgada, EGYPT.**
- 2-Abd EL-Wahab,R .2015.The Direct Effect of Light Emitting Diodes (LEDs) on The Two Spotted Spidr 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**
- 3- 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.**
- 4-Abd EL-Wahab,R . 2015. Solar Energy and Light Emitting Diodes to .Innovations in Agriculture,28-30 Jan.,2015,National Research Center, EGYPT**
- 5-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.**
- 6-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.**
- 7- 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.

**8- Abd EL-Wahab,R.A.,** Bursić,V. and Lazić,S. 2011. Studies on side effects of Violacene Symposium <Food ,the halogenated monoterpenes, on albino rats.22nd International Safety Production> proceedings. Trebinije, Bosnia and Herzegovina, 19-25 June, 2011. SERBIA.p:371-373

**9- 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. Trebinije , Bosnia and Herzegovina, 19-25 June ,2011. SERBIA. P:374-376

**10- 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. Trebinije, Bosnia and Herzegovina, 19-25 June, 2011 SERBIA. P:365-367

**11-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.

**12-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.

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

**14-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.

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

**16-Gained Achievement Award From 6<sup>th</sup> October University as The Best Egyptian Scientific Student In Agriculture Faculties All Over Egypt. 1999.**

### **Published Papers**

**1-Abd El-Wahab, R.A.** and Li X. 2015. Effect of Desert False Indigo *Amorpha fruticosa* L. extract on the Two-Spotted Spider Mite, *Tetranychus urticae* Koch. Int.J. Chem. Biol. Sci. 1(10): Under Publishing.

- 2- 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 Agric Sci, 2(Proceedings),pp.79-85.
- 3- 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.
- 4- 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.
- 5- 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.
- 6-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.
- 7- Abd El-Wahab, R.A.** and Taha,T.M. 2014. The Relation Between Vertimec Resistance in The Two-Spotted Spider Mite,*Tetarnychus urticae* and Climate Changes in Egypt. Int.J. Chem. Biol. Sci. 1(3): 1-10.
- 8-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 (IJCBS) 1 (3):28-40.
- 9- Abd EL-Wahab,R.**, Anwar ,E.M. and EL-Gindy,M. A. 2009. Laboratory Studies on Spinosyns compounds against different pests. Acarines, 3:37-44
- 10- Negm,S., Saleh ,A., Abd Elhady ,A., Bekheat ,H. and Abd El-Wahab ,R .** 2009. Demographic- toxicological studies related with resistance of different pesticides on *Tetranychus urticae* Koch (Acari:Tetranychidae). Egypt. J. Agric. Res. 87(4) : 955-971.

### **Interesting**

- 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**

- Member of International Institute of Chemical, Biological & Environmental Engineering (IICBEE)
- 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) 2015 till now.
- Member of The Society of Chemical Industry (SCI).2014 till now
- Member of The Egyptian German Society of Zoology.2014 till now.
- Member of The Egyptian Society of Writers. 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**

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