



Arab Republic of Egypt
National Research Centre
Division of Agricultural and Biological Research



Curriculum Vitae

Prof. Dr. Wafaa Mohamed Haggag

Head of Agricultural Research and Biology

Head of Patents office, National Research Centre

Personal Information:

Title	Professor
Department	Plant Pathology
Division	Head of Agricultural Research and Biology
Mailing Address	El-Tahreer Street, Plant Pathology Department, National Research Center, Dokki, Egypt.
E-mail:	wafaa_haggag@yahoo.com
Phone number	00202/ 3371362; 3371499 (Work); 0124269551 (Mobil).
Personal Data	
Date of birth	2-11-1964
Nationality	Egyptian
Gender	Female
Program	http://www.arabscientist.org/english/page/904/
Website	http://www.fest.sci.eg/pdf/26.pdf www.wafaahaggag.com http://bio-nrc.jimdo.com https://www.facebook.com/wafaa.haggag.9

Education

- **B.Sc.,** Plant Pathology, Agricultural Faculty, Cairo University, Egypt. 1986
- **M.Sc.,** "Cumin Wilt in New Reclaimed Regions and its Control", Plant Pathology, Agricultural Faculty, Ain Shams University, Egypt. 1993
- **Ph. D.,** "New Approaches for Controlling Soil Borne Fungi Infecting Cucumber Plants Under Greenhouse Conditions". Plant Pathology, Agricultural Fac. , Ain Shams University, Egypt., 1998.



Employment and Professional Positions

- **1986, Graduated with B.Sc. Agriculture Sciences, Plant Pathology**
- **2/1989- 9/1993, Assistant Researcher, Plant Pathology, National Research Centre.**
- **9/1993 -1/1998, Researcher Assistant, Plant Pathology, National Research Centre.**
- **26/1/1998 - 28/1/2003, Researcher , Plant Pathology, National Research Centre**
- **29/1/2003- 30/1/2008, Assistant Professor, Plant Pathology, National Research Centre**
- **30/1/2008 until now, Professor, Plant Pathology, National Research Centre**
- **10 September 2012 unit now Head of Agricultural Research and Biology Division; National Research Centre.**

3- Administrative Positions

1. Head of Patents office, National Research Centre (From 3/2/2015 until now).
2. Established of **Biotechnology Centre Lab** in Agriculture and Biological Research Division , National Research Centre (2009 until now).
3. Establish and head of the production of biofungicides for controlling plant diseases unit (2011-Until now).
4. Head of Research and Production Station Unit (2013 until now).
5. Co- Chairman of "**Documenting the achievements of Academy of Scientific Research Committee**" ; Scientific Research Academic and Technology (2003-2005)
6. Member of "**Cyclopedia and Popular Scientific Books Committee**; Scientific Research Academic and Technology (2005 – 2007).
7. Member of "**Documentation of Services and Facilities**"; National Research Centre, Egypt (2007- 2009).
8. Coordinator of" **Scientific Culture Committee** ; Agriculture and Biology Research Division , National Research Centre, Egypt (2010– 2011).



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9. Member of **Center of Excellence for Advanced Sciences**, Head of Microbial Biotechnology group ; National Research Centre, Egypt (2006 2013).
10. Member of **Unit of Service and Agriculture Guide**, Agriculture and Biology Research Division ; National Research Centre, Egypt (2009-until now)
11. Member of **"International Relations Office"**; National Research Centre, Egypt (2009 – 2011).
12. Member of **Project Formulation Office** , National Research Centre, Egypt (2011 till now).
13. Founder of Environment and organic farming Society (2011 until now).
14. Member of Agricultural Management Committee; National Research Centre (2012 until now).
15. Member of Prize Committee, National Research Centre (2012 until now).
16. Member of Board of Directors Council; National Research Centre (2012 until now).
17. Member of Committee farms, National Research Centre (From October /2014 until now).
18. Member of Committee of Diversity and Equality Committee, USA (2009- 2010).
19. Member of **"Biological Control Committee**, USA (2009- 2010).
20. Founder of the Union of inventors Middle East (2011 until now).



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Scientific Activities and Salient Achievements



RESEARCH INTERESTS

I am working at the National Research Center (NRC), where multidisciplinary research and development take place. NRC is helping Egypt through R&D program to overcome different problems including food and environment related problem.

I took the responsibility of PI in many R&D projects, offered consultations to copious regional and international organizations. We have developed an efficient system to reduce the risks of pesticide use. General objectives is develop an effective products as biofungicide for management of economic foliar borne diseases in some economic horticulture crops through: Identify biofungicides effective against the foliar diseases that may safety be used; Improving plant diseases control for efficient and sustainable production systems will require an increased reliance on biologically based pathogen controls; development of economically and environmentally sound control strategies through developing indigenous antagonistic of a number of fungal, bacteria and yeast biocontrol agents alone and in combination against some foliar diseases in economically horticulture plants and trees; optimization of biotechnology for mass production of biocontrol agents to be commercialized which will help to reduce the pesticide usages, increase the income of farmers, graduates and family producers in developing communities, and this product will be environmentally safe, efficient, cheap, easy to produce and to apply in the field.

FIELDS OF INTEREST

Agriculture, Plant Protection, Biological, Environmental and Agriculture Sciences , Microbial Biotechnology.



Prizes and Honor's

National Prizes

1. Environment Prize of Professor Mostafa Kamal Tolpa in approach of the best peppers for protection of water, soil and air. Academy of Scientific Research and Technology, Egypt 2003.
2. Environment Research Prize. Academy of Scientific Research and Technology, Egypt 2007.
3. State prize for scientific encouragement in Agriculture Science; Academy of Scientific Research and Technology, Egypt 2007
4. Environment Prize of Professor Mostafa Kamal Tolpa of the pest applicable work for protection water, soil and air. Academy of Scientific Research and Technology, Egypt 2009.
5. Prize of Development of innovation and invention -from Industry and Technological Development Academy of Scientific Research and Technology, Egypt 2012
6. Award for scientific excellence, National Research Centre, 2009
7. Innovation Prizes (Patent; Biofungicides for controlling Grey mould), National Research Centre, 2010
8. Innovation Prizes (Patent; Biofungicide for controlling powdery mould), National Research Centre 2009
9. Innovation Prizes (Patent, Biofungicide for controlling mango malformation) , National Research Centre 2012
10. Award for scientific excellence, National Research Centre, 2012, 2013 and 2014

International Prizes

11. Awards in the special 25th Silver Anniversary Edition of Who's Who in the world for 2007
12. KIWIE Gold Prize; Korea International Woman's Invention Exposition 2011 ; Award for a patent : Biofungicide for controlling grey mould
13. KIWIE Silver Prize; Korea International Woman's Invention Exposition 2011 ;Award for a patent : Biofungicide for controlling powdery mildew



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14. Prize from " Association of Polish Inventors and Rationalizers; International Warsaw Invention Show, IWIS, 2011; Award for a patent : Biofungicide for controlling grey mould
15. Prize from " Association of Syrian Inventors " November 2011
16. Gold Prize from" The 4th International Invention Fair in the Middle East 2011 , Kuwait , IIFME, 21-24 -2011; Award for a patent : Biofungicide for controlling grey mould
17. Prize for the Woman Inventor, 4th edition of EUROINVENT® European Exhibition of Creativity and Innovation, Iasi IAȘI ;ROMANIA10 - 12 May 2012
18. Awards of Malaysian Delegation, , 4th edition of EUROINVENT ® European Exhibition of Creativity and Innovation, Iasi IAȘI – ROMANIA10 - 12 May 2012; Award for a patent : Biofungicide for controlling powdery mildew
19. Awards of Asian Inventor Association , 4th edition of EUROINVENT ® European Exhibition of Creativity and Innovation, Iasi IAȘI – ROMANIA10 - 12 May 2012; Award for a patent : Biofungicide for controlling powdery mildew
20. Prize of Romanian Inventors Forum; Gold medal , 4th edition of EUROINVENT ® European Exhibition of Creativity and Innovation, Iasi IAȘI – ROMANIA10 - 12 May 2012; Award for a patent : Biofungicide for controlling powdery mildew
21. Prize of Romanian Inventors Forum; Gold medal , 4th edition of EUROINVENT ® European Exhibition of Creativity and Innovation, Iasi IAȘI – ROMANIA10 - 12 May 2012; Award for a patent : Biofungicide for controlling Strawberry blight
22. Honored by awarding center's shield of Alexandria Regional Center for Women's Health and Development and certificate of appreciation for achievement in time life in the Science and medicine; during the International Women's Day Conference, in, 27th March, 2013
23. **23-** Special Recognition Award from European Woman Inventors and Innovation Network Exhibition, Conference and Awards, 27-28 November, 2013
24. 24-The National Council for Women : 20-11-2012
25. 25- Alexandria Regional Center for Women's Health and Development 28-3-2013
26. 26- Award from Food and Agriculture Organization (**FAO**) of the United Nations Regional Office for the Near East and Ministry of Agriculture in the World Food Day , 16 November, 2013



Patents

Accepted

1-Applicant for a patent in the Egyptian Patent Office, Academy of Scientific Research and Technology, about : **Biofungicide for controlling grey mould disease** (2005) ; 2005080386,

Accepted February 2009

2- Applicant for a patent in the Egyptian Patent Office, Academy of Scientific Research and Technology, about: **Biofungicide for controlling powdery mildew disease (2006)**, number 2006010020 ;

Accepted February 2009

3- Applicant for a patent in the Egyptian Patent Office, Academy of Scientific Research and Technology, about :**Biofungicide for controlling mango malformation disease** (2008); **Number 1406| 2008**

Accepted 9 June 2011.

Submitted

4- Applicant for a patent in the Egyptian Patent Office, Academy of Scientific Research and Technology, about **Biofungicide for controlling strawberry blight disease** (2011); **22/6/2011 .**

5- Applicant for a patent in the Egyptian Patent Office, Academy of Scientific Research and Technology, about **Semi pilot production of *Brevibacillus brevis* and *Bacillus polymyxa* for biocontrol of strawberry gray mould disease .** **December (2011);**

6- Applicant for a patent in the Egyptian Patent Office, Academy of Scientific Research and Technology, about : **Biofungicide for controlling of die back and phomopsis diseases of grape.** June (2012)

7- Applicant for a patent in the Egyptian Patent Office, Academy of Scientific Research and Technology, about: **Bio-pesticide to reduce the impact of toxic cellular ochratoxin** (2013).



First Record of Diseases in Egypt

1. First record of Leaf spot of pistachio causing by *Septoria pistaciae* in Egypt

Haggag, Wafaa, M. , M.Abou Rayya and N. Kasim (2006). First report of *Septoria pistaciae* causing leaf spot of pistachio in Egypt. *Plant Diseases: (USA)*: 90 :12 , 1553.

2. Dieback of Annona causing by *Botryodiplodia theobromae* in Egypt.

Haggag, Wafaa, M. and Nofal, M. A.(2005). Improving biological control of *Botryodiplodia* disease in some *Annona* cultivars by combining biological agents in Egypt. *Biological Control. (USA)*. V. 38: 3, 341-349.

3. Dieback of walnut causing by *Botryodiplodia theobromae* in Egypt.

Haggag, Wafaa, M. , M.S.M. Abou Rayya and N.E. Kasim (2006). First record of *Botryodiplodia theobromae* associated with walnut in Egypt. *Plant Diseases: (USA)*: 91 : 2 . 226

4. *Fusarium sterilihyphosum* and *F. proliferatum*-Induced Malformation Disease of Mango in Egypt

Haggag, Wafaa and Abd Wahab (2008). First Report of *Fusarium sterilihyphosum* and *F. proliferatum*-Induced Malformation Disease of Mango in Egypt. *Journal of Plant Pathology: (Itali)* 91(1),231-240 (232).

5. First Report of Phomopsis Leaf Blight (*Phomopsis obscurans*), of Strawberry in Egypt

Haggag, Wafaa, (2008). First Report of Phomopsis Leaf Blight (*Phomopsis obscurans*), of Strawberry in Egypt. *Journal of Plant Pathology: 91(1),231-240 (239)*.

6- First report of the spot form of net blotch of barley caused by *Pyrenophora teres* f.sp. *maculata* in Egypt

Haggag, Wafaa (2010) . First report of the spot form of net blotch of barley caused by *Pyrenophora teres* f.sp. *maculata* in Egypt. *Journal of Plant Pathology (2010), 92 (4, supplement), s4.107-s4.122*.



7-First report of *Mycosphaerella citri*, the agent of greasy spot of orange in Egypt.

Haggag Wafaa M.(2012). First report of *Mycosphaerella citri*, the agent of greasy spot of orange in Egypt. Journal of Plant Pathol;
<http://sipav.org/main/jpp/index.php/jpp/index>

8-First report of phomopsis blight of eggplants in Egypt . International Journal of Agriculture Innovations and Research

Haggag, Wafaa (2014) . First report of phomopsis blight of eggplants in Egypt . International Journal of Agriculture Innovations and Research; Volume 2, Issue 5, ISSN (Online) 2319-1473

9- FIRST REPORT OF *LASIODIPLODIA THEOBROMAE* CAUSING CANKER AND COLLAR ROT DISEASES OF PHYSIC NUT (*JATROPHA CURCAS*) IN EGYPT

Haggag Wafaa (2014). First report of *Lasiodiplodia theobromae* causing canker and collar rot diseases of physic nut (*Jatropha curcas*) in egypt. Journal of Plant Pathology (2014), 96 (2), 603-611

Recorded in Gene Bank:

1- Ceratorhiza oryzae-sativae isolate Gad-4 28S ribosomal RNA gene, partial sequence

<http://www.ncbi.nlm.nih.gov/nuccore/392843353?report=genbank&to=600>

2- Magnaporthe grisea isolate Gad-3- 28S ribosomal RNA gene, partial sequence

: <http://www.ncbi.nlm.nih.gov/nuccore/392843352?report=genbank>



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Scientific Missions

1. Advanced International Programme by **Swedish International Development Cooperation Agency (SIDA)** on: 'Sustainable Agriculture in an Environmental Perspective'. Weibull, Svalöf, **Sweden** on August 2 to 19 October. 2002.
2. Advanced International Programme by **Swedish International Development Cooperation Agency (SIDA)** on: 'Sustainable Agriculture in an Environmental Perspective'. **Kenya**, Ketali on 21 to 30 October. 2006.
3. Advanced International Programme by **Swedish International Development Cooperation Agency (SIDA)** on: 'Pesticide Management and Pesticide Risk Reduction'. Sweden and Denmark, on 13 May to 9 June- October. 2007.
4. Ministerial Seminar on Dry Land Agriculture Management for Developing Countries Yangling-China, Oct. 30th to Nov. 8th, 2012

Visitor Professor

- Invitation from Agriculture Minister to visit Ministry of Agriculture of Georgia as Agricultural Expert in field of Plant Protection from 4 to 11 October, 2008 and Meeting with Agriculture Minister and Ministry of Agriculture of Georgia leadership; Presentation in the Ministry of Agriculture and Georgia University

International Agreement

- Principal Investigator of the signed International agreement between (NRC-Egypt) and Ministry of Agriculture (Georgia) aiming at exchange and disclose of knowledge and know-how in order to develop the plant protection (2008).

Local cooperation agreements:

Cooperation between the National Research Center and the National Center for Water Research, 2014



Research Project

Principal Investigator

International Grants

1-Egyptian Partner of International Project under title of:

"The role of *Paenibacillus polymyxa* biofilm formation in protection of nursery plantlets against *Pythium* root rot" "Betydelsen av *Paenibacillus polymyxa* biofilm formation vid bildandet av skydd för växthusplantor mot 'Pythium root rot' "

- **Funded by : SIDA (Joint Formas – Sida/SAREC funded program for research on sustainable development in developing countries) from June 2007 to July 2009, Code number 2007/275**

2- External Experts: Marakanda Project

Eco quality food production and storage level. 2012

National Projects

3-PI of Project under title: Development of Bioproducts as Bio-fungicides for Controlling of Major Foliar Diseases of Some Economic Horticultural Crops, Project ID 216" Funded by the Science and Technology Development Fund

4-PI of Project under title: Develop the production of some biological compounds for use in controlling of casual diseases of some oilseed crops. ID 384 Agricultural Research and Development Fund www.ardf.sci.eg

5- PI of Project under title: Industrial Production of Biofungicide for Controlling Powdery Mildew. Academy of Scientific Research and Technology, Egypt and Misr El Kheir (2012-2014)

In House Projects

6 -Development of bicultural for controlling soil borne fungi of some vegetable crops. From 1998 to 2001, National Research Centre.

7- Biocontrol of some foliar plant diseases by using genetic engineer



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technique. From 2001 to 2004, National Research Centre.

8-Safe chemicals in : Integrated pest management of pests and diseases-
Applications of modern technologies for safety agriculture--Agricultural
Research and Biology Division, 2004-2007, National Research Centre.

**9-New applied approaches to promote productivity and Quality of some
fruit crops (Mango).** From 2007 to 2010, National Research Centre.

**10-Strategies for Enhancement of wheat and Barley production under
biotic and abiotic stress in Sinai.** From 2013 to 2016, National Research
Centre.

II. Co-Principal Investigator

National Projects

**11- Development of Initial Marker Assisted Selection System for Net Blotch
Resistance in Barley.** Science and Technology Development Fund
In House Project (National Research Centre.)

**12-Microbial genetic improvement that produce anti- components and enzymes.
From 2001 to 2004, National Research Centre**

Member of Research Team for Scientific Projects:

National Projects

**13-Soil sterilization with steaming and biological aspects of cucumber and
pepper crops cultivated under greenhouses and its effect on productivity.**
Agricultural Technology Utilization and Transfer Project (ATUT), Grant No.43/
1/7/ 1996 to 30/6/1997.

**14-Development of biological farming in Egypt. (No 3-application of natural test
control).** Biological Agricultural Research Department (BARD) Centre
Laboratory for Agricultural Climate (CLAC) Agriculture Research Centre,
(ARC). Agricultural Technology Utilization and Transfer Project (ATUT)/ From
1-7/ 1998 to 30/6/2000.





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- 15- The application of biotechnology in integrated management of pests and diseases in newly reclaimed areas. Academy of Scientific Research and Technology, From 1/12/1998 to 30/11/ 2001.
- 16- **Molecular Characterization and Isolation of Pest Resistance Genes in Egyptian Barley.** Science and Technology Center at the Academy of Scientific Research and Technology, 2004-2007
- 17- **Study the use of microorganisms and their efficiency in integrated pest management for diseases and pests affecting important exported crops-** Academy of Scientific Research and Technology, From 7/2006 to 7/2009.
- 18- **Production of transgenic rice plants resistant to blast fungal diseases and insect** (2004-2007). Genetic Engineering Research Center (GERC), Faculty of Agriculture, Cairo University, Giza, Egypt with collaboration with NRC; 2004-2007, Financed by the National Academy of Science.
- 19- **Improvement of drought tolerance and nutritional quality of Canola using genetic engineering** , Genetic Engineering Research Center (GERC), Faculty of Agriculture, Cairo University, Giza, Egypt 2004-2007, Financed by the National Academy of Science.
- 20- **Extension cultivation, improvement and development of nuts trees in Sinai.** Academy of Scientific Research and Technology, 2006 to 2009.

Member of House Projects

- 21- Improving the production of different crops by using the recent trends in controlling the plant diseases. From 1995 to 1998, National Research Centre.
- 22- Evaluation of harmful levels and losses in broad bean crop causes by agriculture insects before and post-harvest. From 1998 to 2001, National Research Centre.
- 23- Production and utilization of some biological agents in safe control of some agricultural pests. From 1998 to 2001, National Research Centre
- 24- Isolation of crystal protein gene responsible for insecticide activity from *Bacillus thuringhensis*. From 2001 to 2004, National Research Centre.



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- 25- Selection of new strains of citrus plants resistance to environmental conditions and insect infection From 2001 to 2004, National Research Centre.
- 26- Microorganisms production of antibiotics and enzymes and its using in biological control of plant diseases. From 2002 to 2005, National Research Centre.
- 27- Production of pest resistant wheat by genetic engineering methods, From 2001 to 2004, National Research Centre.
- 28- Biological control in :Integrated pest management of pests and diseases--- Applications of modern technologies for safety agriculture--- 2004-2007, National Research Centre.
- 29- Plant extracts in :Integrated pest management of pests and diseases--- Applications of modern technologies for safety agriculture--- 2004-2007, National Research Centre.
- 30- Soil amendment in :Integrated pest management of pests and diseases--- Applications of modern technologies for safety agriculture--- 2004-2007, National Research Centre
- 31- New applied approaches to promote productivity and Quality of olive fruit crop. From 2007 to 2010, National Research Centre.
- 32- Development of integrated management of sugar beet crop . From 2007 to 2010, National Research Centre
- 33- Developing cost-effective and Environmentally Friendly Solar Powered Hydroponic system for remote area. From 2010- 2013, National Research Centre
- 34- Microbial production of curdlan; A polysaccharides with bioactive properties . From 2010- 2013, National Research Centre
- 35- Improvement productivity and quality of sugar beet to minimize the gap between sugar production and concentration. . From 2011- 2013, National Research Centre
- 36- Damage and loss assessment caused by plant pathogenic nematodes in north Sinai governorate in relation to the agro-ecosystem prevalent in Sinai. From



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2013- 2016, National Research Centre



- 37- Integrated management of nematode pests and pre and post harvest diseases of economically important crops. From 2013- 2016, National Research Centre
- 38- New approaches for controlling postharvest diseases. From 2013- 2016, National Research Centre
- 39- Application of biosaline agriculture concept for sustainable uses in saline environments. From 2013- 2016, National Research Centre
- 40- Improving production and quality of some biofuel crops grown using poor quality water in lands not for food production. From 2013- 2016, National Research Centre

تقييم وأستصلاح الاراضى الهامشية فى سيناء Evaluation and Reclamation of margin soils in Sinai

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Membership and Service in International Professional Societies and Databases

1. International Society for Plant Pathology, U.K. (ISPP).
2. British Mycological Society, .U.K. (BMS).
3. The American Phytopathological Society , **USA**
4. International Organization for Biotechnology and Bioengineering **Sweden**
5. German Phytomedical Society. **German.**
6. Internal Society of Food, Agriculture and Environment , **Finland.**
7. ESRGroups (Engineering and Scientific Research Groups), **France.**
8. Third World Organization for Women in Science (TWOWS)
c/o TWAS, Trieste - **Italy**
9. Arab Society of Plant Protection, **Syria**
10. Arabscientist Society, **Syria**
11. ISPI database (German)
12. Integrated Pest Management Network, Integrated Plant Protection., USA
13. CropBiotech Net (<http://www.isaaa.org/kc>) ,
14. ISFAE (Finland)
15. DOAJ (Asian) and The Science Advisory Board

Membership and Service in National Professional Societies

16. Egyptian Plant Pathology Society.
17. Clean Farming Association Society , Egypt .
18. Egyptian Society for Horticulture Science .
19. Applied Microbiology Society, Egypt.
20. Egyptian Society of Agronomy.
21. Egyptian Society for Entomology.
22. Egyptian Society for Biotechnology and Ecology Sciences.
23. Egyptian Society for Biological control of Pests, Cairo University.
24. Arab Society for Medicinal Plant Research, Egypt.
25. Egyptian Society for Biotechnology
26. Microbial Genetics Society –Egypt
27. Society for Woman in Science in Developing Countries-Egypt



International Reviewer

1. Acta Agriculturae Scandinavica, Section B - Plant Soil Science
2. Crop Protection;
3. Microbial Ecology;
4. Journal of Phytopathology
5. African Journal of Biotechnology
6. Journal of Medicinal Plants Research
7. Chemical Papers
8. African Journal of Agricultural Research
9. International Research Journal of Plant Science(IRJPS)
10. International Journal of Plant Physiology and Biochemistry
11. Journal of Microbiology and Antimicrobials
12. European Journal of Medicinal Plants , [SCIENCEDOMAIN international](#),
13. American Journal of Experimental Agriculture, [SCIENCEDOMAIN international](#),
14. Advances in Research
15. Net Journal of Agricultural Science
16. International Scholars Journals
17. Annual Research & Review in Biology, [SCIENCEDOMAIN international](#),
18. Reviewer in Science and Technology Development Fund (STDF).
19. National Research Centre

Editorial Board

1. Assistant editor in Scientific Journal of Food, Agriculture and Environment- ISFAE, Finland
2. Editor team in Journal of Plant Breeding and Crop Science
3. Middle East Journal of Scientific Research
4. 3-Associat Editors " World Journal of Agricultural Sciences"



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5. Associate Editors “American-Eurasian Journal of Agricultural & Environmental Sci;
6. Editorial Board Recent Research In Science and Technology;
7. Journal of Microbiology and Antimicrobials
8. Insight Knowledge, UK (<http://insightknowledge.co.uk>)
9. Associate Editors "Middle East Journal of Scientific Research” 2007
10. Journal of Plant Breeding and Crop Science, Academic Journal
11. Journal of Life Sciences Research
12. Journal of Microbiological Studies
13. Recent Research in Science and Technology
14. Acme Journal of Plant Breeding and Genetics (AJPBG)
15. **Academic Editor** of [American Journal of Experimental Agriculture](#) ; SDI editors
([web Link:http://www.sciencedomain.org/journal-home.php?id=2](http://www.sciencedomain.org/journal-home.php?id=2))

Conferences

Chairperson of International Conferences:

1-International Conference of “Bio-Processing and Application of Microbial Biotechnology in Agriculture” November 1-3, 2010, Cairo, Egypt , Agriculture and Biology Research Division & Centre of Excellence for Advanced Science., National Research Centre
<http://www.cunrc.org> (http://www.cunrc.org/conference_details.php?id=12)

2-International Conference on: Food and Agriculture : new approaches;
National Research Centre; December, 2-4, 2013 Cairo, Egypt

Chairperson of National Conferences:

3-The National Conference for Agriculture Development in Sinai. December 11-12 , 2012
http://issuu.com/magdymohamed/docs/conf_book

4-Water Security : Challenge and Solution, 29 April, 2013

<http://bio-nrc.jimdo.com/conferences>



3- Attended of International Conferences

1. Research in Agricultural Development Service Conference, 26-28 April, 1999, Jordan.

Haggag, Wafaa, M. Enhancement of suppressive metabolites from *Pseudomonas fluorescens* against tomato damping-off pathogens.

2. Bioactive Fungal Metabolites - Impact and Exploitation, International Symposium by British Mycological Society, 22-27 April, 2001 at University of Wales Swansea, U.K. ,

Haggag, Wafaa, M. and Mohamed, H. (2001). Overproduction of antifungal metabolites from gamma-ray induced mutants of some *Trichoderma* species to control onion white rot disease .

3. XIII. International Botrytis Symposium, Antalya, Turkey, 25-31 /10/2004.

Haggag, Wafaa, M.; H. A. A. Mohamed and M, A. Saker. (2004). Improving the biocontrol activity and molecular characterization of polyploidy yeast strain of *Rhodotorula glutinis* on grey mould disease of greenhouse sweet pepper.

4. The Second Syrian-Egyptian conference in the Agriculture and Food . El Bath University, Syria, 25-28 April, 2005.

Haggag, Wafaa, M. (2005). Polyamines: induction and effect on rust disease control of bean.

5. 9th Arab Congress of Plant Protection Congress Palace, Damascus, Syria 19-23 November, 2006

Haggag, Wafaa (2006). Isolation of bioactive antibiotic peptides from *Bacillus brevis* and *Bacillus polymyxa* against *Botrytis* grey mould in strawberry.

6. International Symposium "From Seed to Pasta: the Durum Wheat Chain, From 30 June to 4 July, 2008, Itali, Bologna

Haggag, Wafaa (2008) "Change in Polyamine Biosynthesis Associated with Wheat Resistance Against Leaf Rust Pathogen"



7. The first International conference of Agriculture Science, 11-14 October, 2008, Aleppo University, Aleppo, Syria .

Wafaa, M. Haggag, M. M. Saker and Mahmoud A. Ibrahim (2008). Molecular and Biological Characterization of Yeast Like Fungi *Tilletiopsis spp.* Against Grape Powdery Mildew

8. Plant Protection and Plant Health in Europe; Crop Plant Resistance to Biotic and Abiotic Factors: Current Potential and Future Demands . Julius Kühn-Institute, Berlin, Germany, 14 – 16 May 2009

Wafaa M. Haggag, Younis Sabry Mahmoud ,Eman M. Farag: (2009). Elicitor-Induced Sugar Beet Defence Pathways Against Beet Mosaic Virus (BtMV) infection

9 10th Arab Congress of Plant Protection. Organized by Arab Society for Plant Protection in Collaboration with National Council for Scientific Research. 26-30 October, 2009; Beirut, Lebanon

Haggag ,Wafaa, M. (2009). The role of *paenibacillus polymyxa* biofilm formation in protection of nursery plantlets against soil borne pathogens.

10- ICABBBE 2011 :

International Conference on Agricultural, Biosystems, Biotechnology and Biological Engineering" WAsE ; Paris, France during June 24-26, 2011.

With paper under title: Characterization and Mechanism of Action of Biocontrol Agents Active in Suppression of Foliar Plant Pathogens

11- 'EUROPEAN BIOTECHNOLOGY CONGRESS' which was held in **Bratislava, Slovakia** between 16 - 18 May 2013.

With paper under title: **Bioprocessing of *Brevibacillus brevis* and *Bacillus polymyxa* : A potential biocontrol agents of gray mould disease of strawberry fruits**

12- "Institutional role in Support for inventors and talented (Intellectual property offices in the Arab countries). "The League of Arab States 16-17 December 2014.



4- Attended of National Conferences

1. Safe Alternatives of Pesticides For Pest Management Conference Oct., 28-29th, 2001. Assiut , Egypt.

Amine, W.A. and **Haggag, Wafaa, M.** (2001). Role of *Trichoderma spp.* in control of reniform nematodes and *Fusarium oxysporum fungus diseases* complex infecting sunflower

2.Prospects of the Recent Agricultural Research. The Second Scientific Conference, National Research Center, Egypt.

Haggag, Wafaa, M. (2003). Biological control of plant diseases, and its developments, Invited Speaker

3.The First International Conference of Scientific research and its Applications, Cairo University 18-20 December, 2004 Cairo-Egypt.

Mohamed, A. and **Haggag, Wafaa, M.** (2004). Biocontrol potential of salinity tolerant mutants of *Trichoderma harzianum* against *Fusarium oxysporum*, causing wilt of tomato

4.The Third International Conference of Plant Protection Research Institute on IPM Role in Integrated Crop Management and Impacts on Environment and Agricultural Products , 26- 29 November 2005, Egypt

Nofal , M.A. and **Haggag ,Wafaa, M.** (2006). Integrated pest management for the control of powdery mildew on mango trees in Egypt.

5.Biotechnology and Sustainable Development : Current Status and Future Scenarios. December 11-14, 2006.

-Haggag, Wafaa, M., M, A. Saker and Mahmoud A Ibrahim (2006). Biological, Biochemical and Molecular Characteristics of the *Tilletiopsis spp.* With Distinct Potential against Grapevines Powdery Mildew

El-Awady, M.; **Haggag, Wafaa, M.** (2006). Over-expression of the E. coli catalase enhanced resistance to *Peronospora parasitica* and *Erysiphe polygoni* in canol

6. 3 th International Conference of Pharmaceutical and Drug Industries



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National Research Centre

Division of Agricultural and Biological Research

Division. 6-8 March 2007.



Haggag, Wafaa, M. (2007). Colonization of Exopolysaccharide producing *Peaenopacillus polymyxa* on peanut for enhancing resistance against crown rot disease.

7.Safe Agriculture Products for Healthy and Environment by using Recent Technologies, NRC, From 5-6 May, 2008.

Haggag, Wafaa, M. (2008). Biotechnological aspects of plant diseases management :I. microbial biotechnology

Haggag, Wafaa, M. (2008). Biotechnological aspects of plant diseases management :II. Plant biotechnology

8.The international Symposium on Health Risk, Management and Mitigation of Algal Toxins in Food and Drinking Water, Cairo, NRC, 25 December, 2008

9. 4 th International Conference of Pharmaceutical and Drug Industries Division,

10. The first International Conference of Biotechnology and Nanotechnology. 5-8 January, NRC, Egypt 2009

11.The International Joint Conference on Materials Science, Naotechnology and Biotechnology: Future Challenges" January 4-6, 2009, NRC

12. 4 th International Conference of Pharmaceutical and Drug Industries Division Synthesis and Pharmacological.

F.A. Bassyoun and Wafaa M. Haggag (2009). Synthesis and Pharmacological Activity of Polynuclear Heterocyclic Compounds from Indole Derivatives.

13- The first Conference and exhibition on the " Outputs and Applied Scientific Research , 24 June 2012 ; Participated With Two Products and Patents



Workshops

Chairperson of International Workshop

- 1- International Workshop in Egypt 'Pesticide Management and Pesticide Risk Reduction' in corporation with Swedish International Development Cooperation Agency (SIDA) ; From 19 to 30 October. 2007.
- 2- Chairperson of the Scientific Session of the International Workshop " Impact of Climate Change on Agriculture Production and Food Security in Egypt" China- Egypt . 29-1 2013.

Chairperson of National Workshop

2-"Biological Control and its role in production of safe food" 9 July 2009 , National Research Centre

3-" Environment and Bio Agriculture" in Collaboration with Agriculture Research Centre and Faculty of Agriculture, Cairo University 2-3 April 2012 , National Research Centre

4-"Impact of Climate Change On Agricultural Production and Food Security in Egypt " , National Research Centre, 2012

5- Project Sources , Planning and Management, 29 June 2011, National Research Centre

6- How to write Patents, Cv and Prizes, 27 September 2011 National Research Centre

6- Formulation and Writing Project Proposals, 23 November 2011 and 27 November 2011 National Research Centre

7-How to plan for Projects' Sustainability, 23 April 2012 and 29 May 2012 National Research Centre

8- Team member organization in " Organic Farming between Theory and Application" ,In Agriculture Faculty, Fayum Univ. and Province of Agriculture (Fayum). Arranged by Clean Farming Association Society ,



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Egypt 7-10 May 2006.

Wafaa M. Haggag (2006). **Use of Natural Alternative of Fungicides in the Clean Farming System (Speaker)**



Participated

1. International Workshop

10-Participated in International Workshop "**Plant Induced Resistance for Pest and Disease Control**" Swedish University of Agricultural Sciences ,Malmo, Sweden with the Department of Botany , Rhodes University, South African, In: Cape Town, South African 26-29 October 2008

Wafaa, M. Haggag, M. (2008). "Biotechnology and Plant Diseases Management"

11-Participated in International Workshop **4th Korea International Women's Invention Exposition (KIWIE)**, From 4 to 7 May 2011 with Patents Poster

&

12- the 3rd International Workshop for Women Inventors and Entrepreneurs From 8 to 11 May 2011

2. National Workshop

13-Participated in workshop under titled "**Plant Biotechnology: A New Promise for Sustainable Development**, 3-7 July 2005, National Research Centre, Egypt.

14-Participated in workshop titled "**Application of Biotechnology in Genetic Improvement of Microorganisms and Ethics**. February , 5, 2007 National Research Centre, Egypt

15-Invited speaker in : 1 st Conjoint Workshop between Society for Woman in Science in Developing Countries-Egypt & National Research Centre Under the theme Towards A Safe and Healthy Woman's Life. From 8-9 March 2009.



16- Invited speaker in : The international Symposium on Health Risk, Management and Mitigation of Algal Toxins in Food and Drinking Water, Cairo, NRC, 25 December, 2008

17-Invited speaker in: The International Workshop on Industrial Biotechnology, 3-4 July 2010, Movenpick Hotel Cairo Media City m 6th of October City, Egypt ; With paper under title: Microbial biotechnology

18-Attended and Active Participate: "Towards a Sustainable Agriculture Environment Workshop; May 24, 2010, NRC , Egypt

19-Invited speaker in : Agriculture between the actual challenges and the future looking. March 27; 2011, NRC, Egypt

20- Participated in the " **Qnioua As a New Non-Traditional Crop**"12 November 2012 STDF and NRC , Egypt

21-Participated in the " **Sustainable use of Irrigation Water in Newly Reclamation Land Workshop**" 26 December 2012 NRC , Egypt

Forum Organization

Innovation in Agriculture , National Research Centre, Dokki, Cairo, Egypt; 27-28 January 2015

Topics

- **1-Technological innovation:**
- **2-Product innovation:**
- **3-Process innovation:**
- **4-Social innovation:**
- **5-Marketing innovation: Agriculture innovation and commercialization**

Events: Invention and Innovation Exhibition

Participated

1. International Events

1- 4th Korea International Women's Invention Exposition (KIWIE),
From 4 to 7 May 2011 with two Patents Poster

2-" The 4th International Invention Fair in the Middle East 2011 , IIFME, 21-



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3-4th edition of EUROINVENT ® European Exhibition of Creativity and Innovation in The *Gheorghe Asachi* Technical University of Iasi, IASI . Romania, 9-12 May 2012.

2. National Events

4-Lecture in fair :about "Alternative of biofungicides for Preventing Environment Pollution in Desert" , Eshraqa Journal, Naser Town , Egypt ,25 to 28 July 2007 .

5-Extension Expedition for Development Services, 17/2/2007.

In houses

6-The use of Beneficial Microorganisms (biofungicides) for farmers services, National Research Centre, Egypt. 2004

7-The use of Beneficial Microorganisms (biofungicides) for farmers services, Eshraqa Journal, Golf Solaimania, Egypt ,29 July 2006 .

8-A poster in fair: the use of Beneficial Microorganisms (biofungicides) for farmers services, National Research Centre, Egypt. April, 2008.

Supervision of Academic Degrees Thesis:

Supervised many Master and Ph.D. scientific theses in addition to reviewing and discussing many other theses at different universities as external examiner.

1-Master Thesis under title

"Studies on nematodes infecting grapes in relation to some biotic and biotic factors" Agriculture Faculty, Cairo University **2007**

2-Master Thesis under title

" Biochemical studies on antifungal production from Egyptian microbial isolates " National Research Centre and Science Faculty, El-Azahar University **2007**

3-Supervisor of PH.D. Thesis under title :

" Effect of elicitors and defense Genes on wheat stem rust disease " Science Faculty, Banha University 2008

4-Supervisor of PH.D. Thesis under title :

"Strawberry crown root disease and its control" Agriculture Faculty, Cairo University 2008.



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5-Master Thesis under title

" **Biological and molecular studies for controlling of mango malformation "**

Science Faculty, Banha University **2009**

6-Supervisor of PH.D. Thesis under title

"Genetics and biological studies on the role of some soil bacteria strains on induce resistance of some causal diseases" Agriculture Faculty, Ain Sham University 2009.

7- Master Thesis under title

Production of Antifungal and Antiviral Bioactive Compounds from Microbial Some Grapevine Diseases in Egypt. Agriculture Faculty, **Isolates for Controlling** Cairo University 2010

8 - Master Thesis under title:

Bio and Nano technological applications for controlling some foliar diseases of wheat " 2013, Ain Sham Univ.

9- Master Thesis under title:

Use of Some Environmentally Safety Treatments For Some Grain Crops diseases and it's Effects on Production ,Specific and Technological Quality

Reviewer and member of Thesis Committee

- ◆ National and International Fund, January, 2010, Agriculture and Biology Research Division

Coordinator and Training Program

Training Experience:

Training of young researchers and lecturers on many science-related subjects; including courses for:

1. Principles of oral presentations .
2. Practical courses in poster presentations.

Organized of International Training Program

- 1- International Training program " Agriculture Firstly "Commonwealth countries (Georgia country). From 8 to 19/6/2008.

Development of Environment and Health Awareness in Rural Community. 21-21 June 2004. (Speaker)

Wafaa M. Haggag (2004). Environment Awareness and Biological Control.



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2-International Tanning Program in Agriculture field “ Safe Alternative to Fungicides In to Kazaakistan in cooperation with Commonwealth Countries, From 17-1 to 28-1 2010., 2010

3-International Tanning Program in Agriculture field “ Safe Alternative to Fungicides In to Kazaakistan in cooperation with Commonwealth Countries, From 17-1 to 28-1 2010., 2010

Local Organizer

- 4- Coordinator in the intensive training program for young graduates training of Production and Use of Natural Alternative of Fungicides in the Clean Farming. Organized and sponsored by National Research Center and Ministry of state for military production through National Program for Qualification of youth; from 2/4/2005 to 29/6/2005. www.kenanaonline.com/page/7432
- 5- Coordinator in the intensive training program for post-doctor training of Production and Use of Natural Alternative of Fungicides in the Clean Farming. Organized and sponsored by National Research Center; from 3/9/2005 to 14/9/2005. www.kenanaonline.com/page/7432
- 6- Coordinator in the intensive training program for Agriculture Engineer training of Production and Use of Natural Alternative of Fungicides in the Clean Farming. Organized and sponsored by National Research; from 29/7/2007 to 12/8/2007 . www.kenanaonline.com/page/7432
- 7- Coordinator in the intensive training program for young graduates training of Production and Use of Natural Alternative of Fungicides in the Clean Farming. Organized and sponsored by National Research Center and Ministry of state for military production through National Program for Qualification of youth) from 2/9/2007 to 30/11/2007 . www.kenanaonline.com/page/7432
- 8- Member of teaching and training staff in the intensive training program for Researcher through the program of Production of High Quality Fruit Crops Organized and sponsored by National Research Center , 2003.
- 9- Member of teaching and training staff in the intensive training program for Researcher through the program of Recycling of Agricultural Wastes and compost production. National Research Center, Training Center, From 3/9/2005 to 7/9/2005.





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- 10- Member of teaching and training staff in the intensive training program for Researcher through the program of Economic Production of Biopesticides by Using Suitable Techniques of Local Conditions . National Research Center, Training Center, From 11/7/2007 to 26/7/2007.
- 11-Teaching of Plant Pathology course, Plant Pathology Department, Agricultural Collaboration Institute , Ain Shams University 2003.-2004.
- 12- Coordinator and teaching of summer course for undergraduate training of "Plant Pathology", from 5/8/2007 to 19/8/2007.
- 13-Coordinator in the intensive training program for young graduates training of Production and Use of Natural Alternative of Fungicides in the Clean Farming. Organized and sponsored by National Research Center and Ministry of state for military production through National Program for Qualification of youth) from 1/3/ 2008 to 1/5/2008.
- 14-Coordinator and teaching of "Plant Pathology", from 15/6/2008 to 7/7/2008.
- 15- Coordinator and teaching of " Pests, and Plant Diseases in New Agriculture ", from 21/6/2008 to 15/7/2008.
- 16-Teaching of "Project Planning and Management" from March until June, 2010, NRC
- 17-International Tanning Program in Agriculture field " Safe Alternative to Fungicides In to Kazaakistan in cooperation with Commonwealth Countries, From 17-1 to 28-1 2010., 2010
- 18) teaching the training course "Marketing Research Services Training Center in December 2011 - National Research Center
- 19) Teaching the training course "the basics of systems thinking training center in January 2012 - National Research Center
- 20) training course "culture of scientific research training in January 2012 - National Research Center
- 21) Coordinator and teaching " Production of Biofungicides" in May 2012 - National Research Center



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Attended in Training Courses



International

- 1- Attending a training course titled Legume Diseases and Their Control. In: The International Center for Agricultural Research in the Dry Areas (ICARDA), Aleppo, Syria, 6-16 April, 1997.

National

- 2- Attending a training course titled Application of Diagnostic Molecular Biology, Polymerase Chain Reaction (PCR). In: Research and Training Center on Vectors of Diseases, Ain Shams University, Faculty of Science. 17 - 20 February, 2002.
- 3- Attending a training course titled PhotoShop 5.5., In: National Research Center. 1May - 11 July, 2002.
- 4- Attending a training course titled Bio-Informatics: Concept and Application In: Alexandria University Faculty of Science dept. Environmental Sciences 27-29 April 2004
- 5-“Project Planning and Management “ in International Centre For Etudes, From 26 of January to 20 of February , 2010.



List of Publications

Scopus - Author details -Haggag, Wafaa Mohamed

National Research Centre, Plant Pathology Department, Cairo, Egypt

Author ID: 13003938400

<http://orcid.org/0000-0002-2004-1614>

- <http://www.scopus.com/authid/detail.url?authorId=13003938400>

- Documents:24
- Citations:143 total citations by [132](#) documents
- *h*-index:8

Scholar.Google

Haggag M. Wafaa

https://scholar.google.com/citations?hl=en&user=SAg_vZkAAAAJ

- National Research Centre
- [Agriculture](#), [biological control](#), [Plant Pathology](#)

Citation indices	All	Since 2010
Citations	505	415
<i>h</i> -index	13	12
<i>i10</i> -index	16	14

Journal Articles

1. **Haggag Wafaa** , F. Abd-El-Kareem and Malaka AE Saleh (2014) . Management of Aflatoxin B1 Producing *Aspergillus flavus* on Walnuts and Pistachio Seeds .Research Journal of Pharmaceutical, Biological and Chemical Sciences . 5(4) Page No. 1194-1202.
2. **Haggag, Wafaa M**, Malaka A. Saleh and Omima Hafez (2014). Development of *Tilletiopsis Pallescens* as Bio-fungicides for Controlling of grape powdery mildew. Advances in Natural and Applied Sciences, 8(1) January 2014: 32-37
3. **Haggag, Wafaa (2014)** . First report of phomopsis blight of eggplants in Egypt . International Journal of Agriculture Innovations and Research; Volume 2, Issue 5 :2319-1473
4. **Haggag, Wafaa and Radwan**, (2014). Screening of Marine Actinomycetes for their Antimicrobial and Antifungal Activities in Egypt. Int J Pharm Bio Sci 2014 Oct; 5(4): (B) 527 – 536
5. **Haggag Wafaa** , Enayat A. Omara, Somaia A. Nada, Hamdy Abou Eleid and Hassan A. Amra (2014).



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Rhodotorula glutinis and Its Two Mutants Ameliorate Hepato-Renal Dysfunction Induced by Ochratoxin A on Rats. *British Microbiology Research Journal* 4(12): 1392-1408, 2014

6. **Haggag, Wafaa** and Medhat Mekhail (2014).
Identification of Some Rice Genotypes Resistant to Blast Disease in Egypt .
British Biotechnology Journal 4(8): 894-903.
7. **Haggag, Wafaa (2014)**.
Nanotechnology for plant diseases control *International Journal of Engineering Research And Management (IJERM)* Volume-01, Issue-05, August 2014. 244-248.
8. **Haggag, Wafaa** and Essam Hoballa (2014).
Food, Agriculture and Microbes. *International Journal of Agriculture Innovations and Research*, Vol. 2 No. 4 pp. 422-425
9. **Haggag, Wafaa**; Abd El Kreem F.¹ and Hoballa E.² (2014).
Marine Streptomycetes : Characteristics and Their Antifungal Activities.
Research Journal of Pharmaceutical, Biological and Chemical Sciences .
JPBCS 5(5) 2014 Page No. 651-656
10. **Haggag, Wafaa**, El Habbasha , E, F.², and Medhat Mekhail² (2014).
Potential Biocontrol agents used for management of aflatoxin contamination in Corn Grain crop. *Research Journal of Pharmaceutical, Biological and Chemical Sciences* . JPBCS 5(5) 2014 Page No. 521-527.
11. **Wafaa, M. Haggag**, Lashin, S.¹ and Sabrey R. (2014).
Development of Bioagents as Fungicides for Plant Disease Control.
International Journal of Engineering Research and Management (IJERM). V. 1, No.6, 195-205.
12. **Haggag, Wafaa**, Azza M. Abd El-Aty, Amal A. Mohamed (2014).
The potential effect of two cyanobacterial species; *anabaena sphaerica* and *oscillatoria agardhii* against grain storage fungi. *European Scientific Journal* October 2014 edition vol.10, No.30 ISSN: 1857 – 7881 (Print) e - ISSN 1857-7431
13. **Haggag, Wafaa, M.** and Singer, S. M. and Mohamed *D.E.H. Aly* (2014).
Application of Broad-Spectrum of Marine *Streptomyces albidoflavus* as biofungicide and Plant Growth Promoting of tomato diseases. *Research Journal of Pharmaceutical, Biological and Chemical Sciences* . RJPBCS. 5(6) 142-148
14. **Haggag, Wafaa, M.**, Abd-El-Kreem, F. , S.M. Singer and Mohamed *D.E.H. Aly* (2014).



Division of Agricultural and Biological Research

Production and Optimization of *Rhodotorula glutinis* for biocontrolling of Strawberry Blight. Research Journal of Pharmaceutical, Biological and Chemical Sciences 5(6) Page No. 599-620.

15. Farid Abd-El-Kareem and **Wafaa M Haggag (2014)**.
Chitosan and Citral Alone or in Combination For Controlling Early Blight Disease of Potato Plants Under Field Conditions. Research Journal of Pharmaceutical, Biological and Chemical Sciences 5(6) No. 941-949.
16. **Haggag, Wafaa W.**, Hussein M.M., Medhat Mekhail, El Habbash (2014) .
Enhancement of Wheat Resistant to Diseases by Elicitors. . Research Journal of Pharmaceutical, Biological and Chemical Sciences Volume 3 Issue 11, November 2014-1530.
17. **Haggag Wafaa (2014)**.
First report of *Lasiodiplodia theobromae* causing canker and collar rot diseases of physic nut (*jatropha curcas*) in EGYPT. Journal of Plant Pathology (2014), **96** (2), 603-611.
18. Abd El-Salam, A.M.EI, **Haggag Wafaa M.**(2014).
Evaluation of effectiveness of some Bioinsecticidal against the white scale insect, *Aulacaspis tubercularis* (Homoptera: Diaspididae) on mango trees in Egypt. International Journal of Engineering Research and Management (IJERM). , 01, Issue-08, 2349- 2058.
19. **Haggag Wafaa (2014)**.
Industrial production of biofungicide for controlling powdery mildew. Journal of Chemical and Pharmaceutical Research, 2014, 6(11):814-820
20. **Haggag, Wafaa. M.**, Shabaan A.M., A.K. Nasr, Abd El-Salam, A.M.E., Egypt. (2014).
Integrated Pest Management for Sustainable Mango Production” Int. J. Pharm. Sci. Rev. Res., 29(2), November – December 2014; Article No. 48, Pages: 276-282
21. **Haggag, Wafaa M.**, Shabaan A.M., Malaka A. E. Saleh, (2014).
Biological Management of Mango Malformation Using Antifungal Compound from *Streptomyces aureofaciens*” Int. J. Pharm. Sci. Rev. Res., 29(2), November – December 2014; Article No. 49, Pages: 283-291
22. **Haggag, Wafaa**, Hussein, M.M., Mehanna, H.M., Daa Abd El-Moneim, (2014).
Bacteria Polysaccharides Elicit Resistance of Wheat against Some Biotic and Abiotic Stress”. Int. J. Pharm. Sci. Rev. Res., 29(2), November – December 2014; Article No. 50, Pages: 292-298



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23. Hussein M.M., Al-Ashry S.M., Haggag Wafaa and Nesreen H. Abou-Baker (2014).
Micronutrients Status of Bio fuel Plant (Moringa) Irrigated By Diluted Seawater As Affected By Silicate And Salicylic Acid. *International Journal of Engineering Research*. V.3, No.12 : 720-725
24. Hussein M., **Haggag Wafaa**, Souad M. El-Ashry and Nesreen H. Abou-Baker (2014).
Effect of Potassium Foliar Fertilizer on Mineral Status of Biofuel Plant (Jatropha) Grown Under Irrigation by Agricultural Drainage Water. *International Journal of Scientific Engineering and Technology Volume No.3 Issue No.12*, pp : 1483-1487
25. **Haggag, Wafaa M.**, F. Abd-El-Kareem and S.D. Abou-Hussein (2013).
Bioprocessing Of *Brevibacillus Brevis* and *Bacillus Polymyxa*: A Potential Biocontrol Agent of Gray Mould Disease of Strawberry Fruits. *International Journal of Engineering and Innovative Technology (IJEIT) Volume 3, Issue 2, August 2013* 509
26. **Haggag, Wafaa M.**, Malaka A. E. Saleh, Inas Mostafa, Noran Adel (2013).
Mass production, fermentation, formulation of *Pseudomonas putida* for controlling of die back and phomopsis diseases on grapevine. *Advances in Bioscience and Biotechnology*, 2013, 4, 741-750
27. **Haggag, Wafaa M.**, Mostafa Abo El Soud(2013).
Pilot-scale production and optimizing of cellulolytic *Penicillium oxalicum* for controlling of mango malformation. *Agricultural Sciences Vol.4, No.4*, 165-174
28. **Haggag, Wafaa M.** and Abd El-Latif Hassan(2013).
Purification and Synergistic activity of Extracellular Chitinase , β ,1-3 glucanase from *Conithyrium minitans* Against *Sclerotinia sclerotiorum* of Sunflowers. *Journal of Applied Sciences Research*, 9(1): 55-61.
29. **Haggag, Wafaa M.** (2013).
Antifungal compounds produce by *Rhodotorula glutinis* and applications as biocontrol *Advances in Environmental Biology*, 7(1): 156-158, 2013
30. Abd-Alla, M. A. and **Haggag, Wafaa M.** (2013).
Use of Some Plant Essential Oils as Post-harvest Botanical Fungicides in the Management of Anthracnose Disease of Mango Fruits (*Mangi Feraindica L.*) Caused by *Colletotrichum Gloeosporioides* (Penz) . **International Journal of Agriculture and Forestry* 2013, 3(1): 1-6
31. **Haggag, Wafaa** (2013) .
First Record of *Phytophthora cinnamomi* in Kiwifruit Trees in Egypt .



32. **Haggag, Wafaa** and Singer, S.(2013).
First Report of Leaf Spot of Radicchio in Egypt Caused by *Alternaria cichorii*.
International Journal of Agriculture Innovations and Research 2, 3, 2319-1473
33. **Haggag, Wafaa M.** (2013).
Wheat Diseases in Egypt and its management. Journal of Applied Sciences
Research, 9(1): 46-50, 2013
34. **Haggag, Wafaa** (2013).
Corn diseases and Mangment. Journal of Applied Sciences Research, 9(1): 39-
43, 2013
35. **Haggag, Wafaa** and Singer, S.(2013).
First Report of *Colletotrichum capsici* Causing Pre and Postharvest
Anthracnose on Papaya in Egypt. International Journal of Engineering and
Innovative Technology (IJEIT) Volume 3, Issue 6, December 2013, 151-152.
36. **Haggag Wafaa M .**, Malaka A. E. Saleh and Mostafa Abo El Soud (2012).
Semi - Industrial Processes of *Verticillium Lecanii* Producing Chitinase for
Controlling of Grape Powdery Mildew. European Journal of Scientific
Research Vol. 91 No 1 November, 2012, pp.41-57.
37. **Haggag Wafaa**, M. (2012)
First report of *Mycosphaerella citri*, the agent of greasy spot of orange in
Egypt. Journal of Plant Pathology (2012), 94 (4, Supplement), S4.85-S4.105 ;
<http://sipav.org/main/jpp/index.php/jpp/index>
38. **Haggag Wafaa M** , Malaka A. E. Saleh (2012).
Application and Formulations of *Streptomyces Aureofaciens* and *Pseudomonas
putida* for Management of Grape Anthracnose and Grey Mould Diseases.
European Journal of Scientific Research Vol. 91 No 2 November, 2012, pp.174
– 183
39. **Haggag Wafaa M** and ElhamG. Abdallh (2012).
Purification and Characterization of Chitinase Produced by Endophytic
Streptomyces hygrosopicus Against Some Phytopathogens. Journal of
Microbiology Research 2012, 2(5): 145-151
40. **Haggag Wafaa M** and Abdall A. M. (2012)
Evaluation of *Streptomyces Aureofaciens* and *Rhodotorula glutinis* Against
Ochratoxin A Producing *Aspergillus nigr* in Grapevines . Journal of
Microbiology Research 2012, 2(6): 170-175
41. **Haggag Wafaa M** ,and Mostafa Abo El Soud (2012).



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Production and Optimization of *Pseudomonas fluorescens* Biomass and Metabolites for Biocontrol of Strawberry Grey Mould. American Journal of Plant Sciences, 2012, 3, 836-845 .

42. **Haggag Wafaa M.**; Lashin, M. S. and El Azzazy, A. M. (2012).
Large Scale Production and Pilot Trails of *Tilletiopsis Pallescens* for Biocontrol of Mango Powdery Mildew. European Journal of Scientific Research. Vol.67 No.2 (2012), pp. 194-214
43. **Haggag Wafaa M** and Singer S.(2012).
Development and Production of Formulations of PGPR Cells for Control of Leather Fruit Rot Disease of Strawberry. American Journal of Scientific Research 67 (2012), pp. 16-22
44. **Haggag, Wafaa (2012).**
Biofungicide for controlling powdery mildew. European Exhibition of Creativity and Innovation, Iasi IAȘI – ROMANIA10 - 12 May 2012; 75 (Short communication)
45. **Haggag, Wafaa (2012).**
Biofungicide for controlling Strawberry blight. European Exhibition of Creativity and Innovation, Iasi IAȘI – ROMANIA10 - 12 May 2012; 76 (Short communication)
46. Fatma A. Bassyouni, Amira S. Abdel All, **Haggag Wafaa**, Madiha Mahmoud, Mamoun M.A. Sarhan and Mohamed Abdel-Rehim. (2012).
Synthesis of triazole, pyrazole, oxadiazine, oxadiazole, and sugar hydrazone-5-nitroindolin-2-one derivatives: part I EGYPTIAN PHARMACEUTICAL JOURNAL. Vol 11 No 2, 129-135
47. Fatma A. Bassyouni, Amira S. Abdel All, **Haggag Wafaa**, Madiha Mahmoud, Mamoun M.A. Sarhan and Mohamed Abdel-Rehim. (2012)
Antimicrobial, anti-inflammatory, and antinociceptive activities of triazole, pyrazole, oxadiazine, oxadiazole, and sugar hydrazone-5-nitroindoline-2-one derivatives and a study of their computational chemistry: part II .EGYPTIAN PHARMACEUTICAL JOURNAL. Vol 11 No 2, 135-143.
48. **Haggag Wafaa M.**, Hazza M and Abd El-Wahab M (2011).
Mango malformation: I. Mangiferin changes associated with *Fusarium* pathogens: *Agriculture Science. USA* Vol.2, No.3, 291-296 (2011)
<http://www.scirp.org/journal/AS>



49. **Haggag Wafaa M** , Hazza M. , Saker, M.M., Abd El-Wahab M. (2011). Molecular Identification of Mango Malformation Pathogens in Egypt. *Advances in Bioscience and Biotechnology*. USA Vol.2 No.4, PP.226-232 .
<http://www.scirp.org/journal/abb>
50. **Haggag Wafaa M** ., Amin, Zakaria ³ , Hazza M, , Sehab F. S. and Abd El-Wahab M (2011).
Histo-pathological evaluation of the *Fusarium* species causing malformation disease of *Mangifera indica*. *Journal of Plant Pathology and Microbiology* . USA V(2): 1-4 <http://www.omicsonline.org>; [omicsonline.org/2157.../2157-7471-2-103.pdf](http://www.omicsonline.org/2157.../2157-7471-2-103.pdf)
51. **Haggag Wafaa M**, R. Sabey and Abd El-Wahab M. E. (2011).
Characterization and Mechanism of Action of Biocontrol Agents Active in Suppression of Foliar Plant Pathogens. *World Academy of Science, Engineering and Technology*; France 77: 2367
52. **Haggag Wafaa**, Enas, M. Mostafa , El Azzazy, A.M. (2011).
Optimization and production of antifungal hydrolysis enzymes by *Streptomyces aureofaciens* against *Colletotrichum gloeosporioides* of mango. *Agriculture Science*; USA 2(2): 146-157 <http://www.scirp.org/journal/AS/>
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Issues

- 1-Scientific issue about the **Walnut** sown in Sinai, 2007
- 2-Scientific issue about the **pistachio** sown in Sinai, 2007
- 3-Scientific issue about the **Pecan** sown in Sinai, 2007
- 4-Scientific issue about the **Juglans** sown in Sinai, 2007