

CURRICULUM VITAE

Personal Data:

Name : Hisham Abd El-Monem Mohamed.
Nationality : Egyptian.
Date of Birth : 17 / 3 / 1974.
Place of Birth : Osime – Embabh – Giza.
Religion : Islamic.
Marital Status : Married.
Number of children : Two Boys, One Girl
Military Service : Exempted.
Drive license : Valid
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Qqualifications:

- * **B.Sc.** of Agriculture Science, Faculty of Agriculture – Cairo University.
 - **Graduation** : 1996
 - **Major Specification:** Biochemistry
- * **M.Sc.** of Agriculture Science, Faculty of Agriculture – Cairo University.
 - **Graduation** : 2001
 - **Specification** : Biochemistry
 - **Research topic:** “Correlation studies on Storage conditions and quality of soybean seeds”.
- * **Ph.D.** of Agriculture Science, Faculty of Agriculture – Cairo University.
 - **Graduation** : 2007
 - **Specification** : Biochemistry
 - **Research topic:** “Biochemical and pathological studies on important crops in new reclaimed lands”.
 - **Job Description:** Demonstrator (Researcher) Since 26-02-2008 Up till 11/12/2013.

Organization: Agriculture Research Center (ARC), Plant Pathology Institute.

Department: Center Laboratory of Biotechnology: Supervisor on Analysis and Measurement Lab from 11/2007 to 18/01/2011 & Seed Pathology Department: as plant pathologist Researcher from 12/2007 till 12/2013

* **Assistant Professor**, Plant Pathology Research Institute, Agricultural Research Center (ARC), Egypt.

- **Graduation** : 2015
- **Specification** : Plant Pathology

* **Assistant Professor**, College of Agricultural & Food Sciences King Faisal University, Saudi Arabia, Excellent Research Chair of Red Palm Weevil (RPW)

- **Since** : 11/12/2013 to 10/8/2014.
- **Specification** : Biochemistry, Biotechnology, Plant Pathology.

* **Assistant Professor**, Excellent Research Center of Date Palm, King Faisal University, Saudi Arabia,

- **Since** : 10/8/2014 Up till now.
- **Specification** : Biochemistry, Biotechnology, Plant Pathology.

Research Interests:

My research interest includes Developmental biology, Biotechnology and Plant disease (Pathogen & Host relationship and interaction); developed several biological preparations for soil borne pathogens attack root system to be used in plant protection programs instead of chemicals. Pest management in orchard systems, insect population dynamics, importance of landscape-level dispersal on IPM and biological control, sampling systems.

Future goal:

To contribute to the Egyptian agriculture and science with the knowledge gathered all during the course of learning, which has helped to develop skills in the area of biology and its implementation to study the physiological process. The skills would surely be applicable for the crop improvement. Would like to be a part of Egyptian science and devote my time in learning and being in the area of Research and Development.

Recently, Contribute to the solution of practical and applied using the most advanced technology to eliminate the red palm weevil (RPW) in Saudi Arabia and then in the world with the assessment of the risks arising from the use of modern technologies in the operations of the resistance to this pest destroyer.

Doing applied scientific research in order to increase the added value of going through the date palm and increase the duration and quality of dates preservation manufacturers, addition to conducting integrated recycling of residues date palm to produce economical products

Experiences:

Company	Position / Job responsibility.
Egyptian Comp. For Developed Food Industries (Meat Industries). 19 / 9 / 1996 – 26 / 8 / 1997	* <u>(Q.C.) Quality Control Engineer</u> - Microbiologist. Preparing microbiological media & doing microbiological analysis as below: Raw materials to compare with the company specification finish products to comply with client standards, equipments to assure from sanitation control, environmental air, hygiene and sanitation for workers, packaging materials and processing and cooling water. - Perform the chemical analysis of raw material and final products. - Inspection the products internal production lines to make assurance of a good quality for the products. - Preparing final reports of quality (control and assurances).
El-Masryin for Food Project (Milk and Chess Products). 1 / 9 / 1997 – 1 / 5 / 1998	* <u>Q.C Supervisor</u> Supervise the production lines * <u>HACCP coordinator</u> HACCP analysis and HACCP meeting arrangement. * <u>R&D Technical Engineer</u> <ul style="list-style-type: none"> • Handling and developing a new product and recipes. • Progress a new projects. • Handling and investigation customer complaints. • Internal auditor. • Developing and maintaining Pest Control System. • Select the Pest Control Operator. • Establish a documented pest control program. • Handling procedures PCO service reports. • Doing statistic to evaluate PCO activity. • Coordinate External Analysis. • Observing the Hygiene, Sanitation and House keeping. • Reporting to Technical Manager
- El-Morshedy Milling company (10 th of Ramadan) - 6 th October Milling company (6 th October)	<ul style="list-style-type: none"> ✓ Managing all technical issue related flour industrial. ✓ Microbiological and chemical testing. ✓ Reporting to the International Group Technical Manager
- Agriculture Research Center, Plant Pathology Institute (Seed Pathology Department). - From 9/1997 to 11/2007 and from 18/01/2011 up till now.	* Inspection of Seed Health by using Mycological and Biochemistry tests. * Make a plan of researches. * Perform M.Sc. and Ph.D. Thesis related to food safety and environmental protection
- Agriculture Research Center, Plant Pathology Institute (Center Laboratory of Biotechnologies). - From 11/2007 to 18/01/2011. - Team leader for 4 researchers	* Supervisor on Analysis and Measurement Lab. * Perform all chromatographic apparatus (GC; GC-MS, HPLC, ICP, HPTLC, SFE; Atomic Absorption; Immuno-method for toxin detection and perform all chemical analysis which related to concerning of researcher include general analysis and specific one especially enzymes.
- From 11/2007 up till now. - Staff member of pesticide committee "Ministry of Agriculture, Agric. Research Center.	- Responsible of evaluation pesticide in minor programs before registration for distributed companies.
- From 23/03/2011 up till now	Under Title "Evaluation the effectiveness of

Basic researcher in project No. 742 followed to "Agricultural pesticide evaluation and Registration Fund (APEF)".

fungicides which used in control fungus disease transmitted by crop and vegetable seeds at Bani Swiife governorate".

Working Part Time:

- Principal Center Laboratory for Chemical Analysis – Faculty of Agriculture – Cairo University [**Job:** Applied modern methods in issue molecular biology and biochemistry], from 21 / 03 / 1997 to 1 / 5 / 1999.
- Medical Analysis Laboratory in El-Shabab City No. 2 (Dr./ Atteff Shohib) [**Job:** Medical analysis], from 01 / 05 / 1998 to 01 / 11 / 1998.
- Sales and Marketing for the Chemicals and scientific apparatus [for my own self] in Agricultural Research Center, from 1997 to 2001.
- Working on factory requirements in “TABARAK” for industrial trade & supplies Co. from 01 / 03 / 2001 to 13 / 08 / 2001.
- Working on Bakery Industry in “Faculty of Agriculture – Cairo University” on Ramadan season 2000 up to 2002 University [**Job:** supervisor on products production].
- Perform and writing researches and thesis in several field of science and prepare and present several presentations from 1998 up till now.

Gast Pharma Group Company for Pharmaceutical Industry

1- **Technical Manager.** 6 Saker Kourash Buildings, Sheraton Airport, "Operations Manager and involves working with the Warehouse, Engineering, Early Shift and Quality Management team ability to motivate and a good knowledge of GMP regulatory standards. As a Technical Services Manager, responsible for district or operational requirements which include the daily assignment of tasks pertaining to medical equipment repair and support, provide supervision of biomed personnel, which includes employee motivation, hiring, discipline, promotion, performance evaluation, and salary adjustments, follow up the registration update of the enable products according to FDA and EDA regulations"; from 16/10/2010 Up till 70/50/2011.

2- **Tolling Manager,** Since 08/05/2011 – 20/10/2011.

- **Golden Arrow for Development and Investment Company Executive Manager and Member of The Board Management** for minerals and organic fertilizers, Pesticide and veterinary drugs formulations. 115 El-Sherouk Buildings, El-Ahly Club, Nasser City. Cairo, from 01-3-2011 up till now.

Training Courses:

- Attended the training course on Application International Control System ISO 9000 & HACCP Concepts and Implementation (1997) by Arther Anderson Co.
- Attended the training course on Modern Methods in Molecular Biochemistry (14 – 24 / 03 / 1998).
- Attended the training course on Modern Methods in Diagnosis of Plant Diseases (15 – 24 / 08 / 1999).

- Attended the training course on Modern Methods in Determination of Toxins (07 – 17 / 02 / 1999).
- Attended the training course on Milling at [El-Safa & 6-October for Milling and Marketing] (1999).
- Attended the training course on Modern Technology in Scientific Photography (26 / 07 – 09 /08 /2000).
- Attended the training course on Bio Resistance and its correlation with Organic Plantation (26 / 08 – 09 / 09 / 2000).
- Attended the training course on Diagnosis of Sugar Crops Diseases (10 – 19 / 09 / 2000).
- Attended the training course on Diagnosis of Legumes Crops Diseases (06 – 16 / 01 / 2001).
- Attended the training course on Diagnosis of Cereals Diseases (27 – 30 / 02 / 2001).
- Attended the English courses in Oriental Language Center, Cairo University (2006- 2007) to cross TOFEL exam.
- Attended the training course in field of "Modern technologies as affective tool in plant pathology (20 – 24 / 01 / 2008).
- Attended the training course in field of "Modern Methods Using in Diagnosis and Identification Causal Plant Pathogen" (03 – 09 / 06 / 2008).
- Attended the training course in field of "Determination the Risk Assessment which cause by Plant Pathogens on Some Economic Crops" (09 – 13 / 05 / 2010).
- Attended the training course in field of "Preparation of professional trainers" (29/08 – 06 / 09 / 2010).
- Attended the training course in field of "The International Computer Driving License (Word, Power Point, Excel, Access, Windows, Internet and Information Technology)" (25 / 09 – 20 / 12 / 2010).
- Attended the training course in field of " Pesticides operators qualification program" holding by ACIDI/VOCA agency and Crop Life company (25 / 07 – 28 / 07 / 2011).
- Attended the training course in field of " The use of nanotechnology and biomaterials in tissue engineering" holding by Nanotechnology Characterization Lab. (NCL), Regional Center for Food and Feed, Agricultural Research Center, Egypt (12 -14 / 02 / 2013).
- Attended the International Workshop on "Food Security and Safety Sub-Council (FSS) Improved Competitiveness Through Policy Reform: A National Campaign for an Integrated Solution for Food Security and Safety Workshop II: An Integrated Approach to Food Safety" holding The Egyptian National Competitiveness Council (ENCC), Egypt (21/ 04 / 2013).
- Attended the International Workshop on "Environmental Nanotechnology and Advanced Optical Spectroscopic Application" holding by Environmental Studies and Research Institute, Minofya University, Egypt (22/ 05 / 2013).

- Attended the Workshop on "Creativity techniques for innovations" holding by Agricultural Research Center, Egypt (27 / 05 / 2013).
- Attended the training program on "Using Electronic Sources on the Internet" holding by Deanship of Academic Development, King Faisal University, KSA, (1-2/3/2016).

The courses of study taught:

- ✓ Taught the programs of "**Diagnosis and development of seed-borne fungi**", hold in 1997 – 2013 periodically, at Seed pathology Department, Plant Pathology Research Institute, Agricultural Research Center, Egypt, to Students of Agricultural and Science collages, from all Universities, Egypt for summer training.
- ✓ Presented lectures by title "**Extraction and determination of the secondary metabolites**", hold in 5 – 9 / 07 / 2009 at Horticulture Research Institute, Agricultural Research Center, Egypt.
- ✓ Taught the programs of "**Biochemical technology devices**", hold in 2008 – 2010 at Center Chemical and Analytical Lab, Plant Pathology Research Institute, Agricultural Research Center, Egypt, to Students of Agricultural and Science collages, from all Universities, Egypt for summer training.
- ✓ Taught the programs of "**Chemical Analytical Apparatus**", hold in 2008 – 2010 at Center Chemical and Analytical Lab, Plant Pathology Research Institute, Agricultural Research Center, Egypt, to Students of Agricultural and Science collages, from all Universities, Egypt for summer training.
- ✓ Presented lectures by title "**Using of advanced chemical analysis and chromatographic spectroscopy in diagnosis, determination and control of plant diseases**", hold in 2008 – 2010 at Center Chemical and Analytical Lab, Plant Pathology Research Institute, Agricultural Research Center, Egypt, to Students of Agricultural and Science collages, from all Universities, Egypt for summer training.
- ✓ Presented lecture by title "**MYCOTOXINS In food and Feed and Methods of Detoxification**", hold in 28 / 03 / 2012 at Plant Pathology Research Institute, Agricultural Research Center, Egypt.
- ✓ Presented lecture by title "**Production of Potassium Humate and Himic Substances from Organic Composted Plant Materials**", hold in 15 / 10 / 2012 at Egyptian Company for Solid Waste Utilization (ECARU), Egypt.
- ✓ Presented lecture by title "**Utilization of Nanotechnology in Plant Pathology Field**", hold in 14 / 05 / 2013 at Plant Pathology Research Institute, Agricultural Research Center, Egypt.
- ✓ Presented lecture by title "**Nanotechnology Applications in Agricultural and Food Safety**", hold in 04 / 06 / 2013 at El-Kasasien Horticultural Research Station, Agricultural Research Center, Ismailia, Egypt.

- ✓ Presented lecture by title **“A Novel eco-safety electrospun biodegradable nanofibre mats for controlled release of pesticides for killing of *Rhynchophorus ferrugineus* Olivier (Coleoptera: Curculionidae) larvae in Saudi Arabia”**, hold in 3/7/1436 H (22/4/2015 G) at Date Palm Research Center of Excellence, King Faisal University, Saudi Arabia.
- ✓ Presented lecture by title **“Principals of chemographic analysis”**, hold in 7/4/1437 H (17/1/2016 G) at Date Palm Research Center of Excellence, King Faisal University, Saudi Arabia.
- ✓ Teaching and laboratory experience for 19 years in natural product chemistry, plant biotechnology and plant pathology microbiology for plant protection.

Membership of Professional and Honorary Societies:

- Biological Chemistry & Environmental Sciences.
- Technical Secretariat of the Pesticides Committee, Ministry of Agriculture, Egypt, 2007 up till Now.
- Central Laboratories, Molecular Biology Laboratories, Faculty of Agricultural, Cairo University, from first January 2009 up till Now.
- Members of the Association of Research Corporation, from March 2011.
- Members of the Egyptian Society for Biological Control of Pests (ESBCP) from first January 2012 up till Now.

Conferences:

- **"The Fourth Plant Pathology"**, Agricultural Research Center, Cairo, 2008.
- The EU-Egypt Innovation Fund (**SCHEME 2**) Information Day on June 26, 2008 will be held at Helwan University (Hassan Hosni Hall) at 11:00 am.
- **"Plant diseases control under bioagriculture systems in Egypt"** held at Agriculture Research Center (ARC) "Agriculture Engineering Hall) at 9:30 am to 5:30pm in 24/12/2008.
- **“Seven International conference of organic agricultural”** held at Agricultural Research Center (ARC), Egypt; under the responsibility of The Center Lab of Organic Agricultural. (13 -15th of September, 2009).
- **“3^{ed} Arabic International conference of Microbiology”** held at Banha University, Egypt. (14 -16th of October, 2011).
- **“1st Arabic International conference of Water Desalination in the Arab region, Prospects”** held at Al-Azhar University, Egypt., Sharing with **Council Of Arab Economic Unity** and RAED-Arab Network for Environment & Development (26 / 05 /2013).
- **“Specific Program “People” of the EU 7” R &D Framework Program”** held at Cairo University Conference Center, at Cairo University Students City, Giza, Egypt. (3^{ed} June 2013).

Consultant at the following companies:

- **Sammara Company for Food Industry** [Maintenance Production problems, Applied Quality Control and Q. Assurance (GMP regulations, HACCP protocols, Sanitation and Hygiene construction)]. Bader Industry City, from April to August 2009.
<http://www.samaragum.com/>
- **El-Debiky Company for Pharmaceutical Industry** [Research and Development (R & D) for new natural drugs from ornamental and medical plants for human health, Make stability studies and Establish of Cleaning and Processing validation]. El-Ebore Industry City, from January 2009 December 2010.
- **Gast Pharma Group Company for Pharmaceutical Industry** [Responsible of registration of new natural drugs in National Nutrition Institute and Ministry of Health]. Sheraton Airport Buildings, from November 2008 – September 2010.
- **El-Baraka 2002 for Natural Oil** [Head of Research and Development Dept., Recognized the role and regulations of all departments. Responsible of opening local market and international exports. Responsible of registration of new natural edible oils in National Nutrition Institute and Ministry of Health; Dissolving all problems in production batches]; Industrial Area, Behind El Nile Hospital, Beside El Tahanon Brothers, Hurghada, Red Sea, Egypt, from September to December /2009 continuously and by order up till now.
- **El-Masryia for Chemical and Fertilizer Company** [Executive Consultant for fertilizers formulations and Designer for production line and practical of Manufacturing safety, coordinator between Production and Marketing, developed for a new product according to the regulation of registration committee in Ministry of Agriculture; 6th October, Industrial area, 3rd Sectore behind Union air Co., from 16-3-2010 up till now.
- **Pure Pharma Company** [Executive Consultant in Scientific office for fertilizers formulations, Pesticide and veterinary drugs. Coordinator between Production and Marketing, developed for a new product according to the regulation of registration committee in Ministry of Agriculture; El-Mehalla El-Kobra, Manshyt Abo Rady. 2-El-Salam St., from 20-5-2010 up tell now.
- **Egyptian Company for Solid Waste Utilization (ECARU):**
El-Ebore Industry City, from 02/2011 up till now
 - Supporting in information to all company organization, its programs and projects. WASTE's work has a focus on bottom-up development in relation to recycling, solid waste management, ecological sanitation and knowledge sharing and upgrading this plant in order to produce organic compost.
 - Evaluation of the organic products "compost, potassium humat, humic acid and fulvic acid" in order to its effect as plant nutrition and protection against plant diseases.
 - Support in trials of producing belts of energy, wood Lumber and feedstuff
 - Supervisor for applying small scale projects on 1- Directed fermentation to produce an active ingredients which specific in nutrition and as pesticidal

activity against pests and plant diseases; 2- Producing cellulose, hemicellulose, legnine, forfural silica.

- Head of Project under title "Production of Potassium Humat and Supplemented Fertilizers", from 19/11/2011-up till now.
- **Coordinator of Team Work** for studding systemic acquired resistance (SAR) in plants. At Plant Pathology Institute, Agricultural Research Center (ARC) and cooperation with Horticultural Institute (ARC) and Faculty of Agricultural, Cairo University from June to November / 2009.
- **Cooperator in Memorandum of Understanding** between Cairo University, Faculty of Agricultural (FarP), Biotechnology Laboratory (BL) and Agricultural Research Center, Plant Pathology Research Institute (PPRI), Central Laboratory of Biotechnology (CLB) on Contract of Scientific and Technical Cooperation.
- **Nominative to be Inspector for Organic farms & firms** "EEC 2092/91, NOP, Naturland, JAS & Bio-Suisse" at "Control Union", Giza, Egypt. To Perform inspector for JAS "Japanese Agriculture Standards.
- **Cooperator in ARDF/BARC project under title "Bioconversion of agricultural residues into compost"** at Soils, Water and Environmental Research Institute, Agricultural Research Center; as **Technical Cooperation** to evaluate COMPOST TEA as bio-fertilizer in order to controlling some plant diseases.

Acquired Skills:

*** Biochemical analysis and measurements skills (More than 14 years):**

My experiences and knowledge was had theoretical by courses through my studies and practical through routine work in biotechnology laboratories which consider the main reference for quarantine samples.....*etc.*

- ⇒ **Biosafety Regulations** in Biochemistry and Molecular Biology Laboratories.
- ⇒ **GMP Regulations** in Quality Control (QC), Quality Assurance (QA) and Stability studies for registration of Pharmaceutical products.
- ⇒ **Established of GMP Validation Regulations** especially for QC Methods, Cleaning and Pharmaceutical Processing.
- ⇒ Experience in in sample preparation techniques, extraction methods by all extractor apparatus as Soxhelt and Super Critical Fluid Extractor (SFE).
- ⇒ **Spectroscopy:** Determination of various secondary products (Phenolic compounds *i.e.* chlorogenic acid, Tannins, Flavenoids, Alkaloids, Terpenoids, Caffeine, Natural and Synthetic Dyes, Anti-nutritional Factors, Hormones, Organic acids, Toxins, Chlorophyll, Haematological parameters, Enzymes activity, Antioxidant ,..... *etc.* Using Spectrophotometers and IR Spectroscopy.
- ⇒ **Chromatographic analyses on [GC, TLC, HPLC, Amino Acid Analyzer, HPTLC, GC-MS and ICP prism apparatus]** for different techniques such as Phenolic compounds, Carbohydrates, Lipids, Amino Acids, Surfactants agents, Fatty Acids, Mycotoxins (all mycological

toxins), Amino acids, Vitamins, Hormones, Terpenes, Pesticides, Alcohols, Pesticides, Alkaloids Organic acids, Macro and Micro elements, Essential oils, Minerals and Hydro-carbon, all active ingredients in unknown extracts.....*etc.*

- ⇒ Experience in **GC-MS** and its application to identify the new substances and its quantities especially active ingredient.
- ⇒ In chromatographic; I had efficient handling to columns replacement, running, calibration, edit entire new method, spotting, sample preparation, purification, and data processing.
- ⇒ Spectral measurement such as Digital spectrophotometer and Scan spectrophotometer.
- ⇒ Apparatus which exist in any lab as, rotary evaporator, incubators, shaking apparatus, hot plates, magnetic stirrer, water distillate, water deionizer, vortex, Beckman high speed centrifuge, Extraction tools as Soxhelt, Fiber-Tech and super critical fluid extractor*etc.*
- ⇒ **My interested area** in mycotoxins detection (spatially by Serological techniques using VICAM apparatuses, HPTLC, Floremeter, GC, GC-MS and HPLC) and detoxification for this toxins which produced by microorganisms.

*** Molecular Biology skills:**

- ⇒ DNA extraction, Protein pattern, isozymes.

Instruments acquainted

- ⇒ PCR machine
- ⇒ Spectrophotometer
- ⇒ Vertical electrophoresis
- ⇒ Gel documentation.

*** Microbiological skills:**

- ⇒ Isolation and identification the causal organisms of plant diseases and examination of their pathogenicity, also biocontrol agents and testing their biocontrol activity against pathogens.
- ⇒ I'm interest of IPM, IFM and ICM and have experience in recycled the plant wastes (composting and/or fermentation) under organic agriculture regulations.

Educational supervisor:

- One Ph.D student in Faculty of Agriculture, Plant Pathology Dept., Cairo University.
- One Ph.D student in Faculty of Agriculture, Microbiology Dept., Ain Shams University.
- One M.Sc student in Faculty of Science, Microbiology Dept., Alexandria University.

Publications: Papers published / In progress.

1. **Farag, M.M.; Ebada, K.A.; El-Wakil, A.E. and Mohamed, H.A. (2007).** Biodegradation of olive cake and utilize the final product to produce fungal infection of soybean seeds with *Colletotrichum dematium*. *J. Biol. Chem. Sci.*, 2 (1): 107-126.
2. **El-Abasi, I.H.; K.A. Abada; A.A. El-Wakil and H.A. Mohamed (2008).** Use of protein electrophoresis to study similarity between anthracnose fungus and some soybean cultivars and its relation to seed quality. *Egypt J. of Appl. Sci.*, 23 (8B): 422-434.
3. **El-Sayed, A.B.B.; Mohamed, H.A. and Abd El-Kader, M.H. (2010).** Impact of some essential oils and their combinations with Vitavax-Theram fungicide on controlling Sclerotium root-rot of sugar beet. *J. Agric. Sci. Mansoura Univ.*, Volume 1 (8): 647 - 663.
4. **El-Shabrawi, M.E.; El-Sayed, A.B.B.; Mohamed, H.A. and Sadoma, M.T. (2010).** Role of Ferulic Acid in Resistance of Maize Plants to Infection with Ear-Rots and Mycotoxin Production. *Egypt J. of Appl. Sci.*, Volume 25 (12B): 493 - 506.
5. **Mohamed, H.A.; El-Sayed, I.H. and Moawad, M. (2010).** Protective effect of Nigella sativa seeds against dimethylaminoazobenzene (DAB) induced liver carcinogenesis. *Nature and Science*, 8 (6): 80-87.
6. **Abdelnabby, H.M.; Mohamed, H.A. and Abo Aly, H.E. (2011).** Nematode-antagonistic compounds from certain bacterial genera. 3rd International Conference of Microbiology, Banha Univ., 11-13 October, 2011; *Egyptian Journal of Biological Pest Control*, 21 (2): 209-217.
7. **Mahmoud, E.Y.; Ata, A.A. and Mohamed, H.A. (2011).** Efficiency of some growth regulators as inducer resistance factor for controlling peanut damping-off, wilt and root rots diseases. *Fayum j. Agric Res. & Dev.*, Vol. 25, (2): 152-163.
8. **Kararah, M.A., K.A. Abada, H.A. Mohamed and Y.N. Taif (2011).** Effect of some bio-agents, plant extracts and gamma irradiation on the deterioration and fumonisin production in stored maize grains. *Egypt. J. Phytopathol.*, 39 (2): 173-192.
9. **Noha, F. El-Badawy, S.R.E. Abo-Hegazy, M.M. Mazen and H.A. Mohamed (2012).** Evaluation of Some Faba Bean Genotypes against Chocolate Spot Disease Using CDNA Fragments of Chitinase Gene and Some Agronomic Methods. *Journal of American Science*; 8 (8): 241-250.
10. **Mohga A. El-Tahlawey; Samah, A. Mokbel and A.M. Mandour and H.A. Mohamed (2012).** Effect of environmental factors on Peanut mottle virus infection and population of insects on Lentil in Egypt. *Egyptian J. Virol.*, Vol. 9:110-115.
11. **El-Gremi, Sh.M.A.; K.E. Ghoniem; H.A. Mohamed and S.M.H. Kamel (2013).** Mode of Action of *Bacillus pumilus* in Suppressing *Pseudoperonospora cubensis* (Berk and Curt) Rostow, the Pathogen of Downy Mildew of Cucumber. *Egyptian Journal of Biological Pest Control*, 23 (1): 71 – 77.

12. **Ismail A.S. Rashid, H.A. Mohamed, Samir S.A. Badawy and M.I. Mohamed (2013)**. Controlling of fungal and aflatoxin contamination on peanut by using harvest date and some bioagent. *Journal of Biological Chemistry and Environmental Science*, 8 (4):129-142.
 13. **Mohamed A. El-Sawy, H.A. Mohamed and M.M. Elsharkawy (2013)**. Serological and molecular characterisations of the Egyptian isolate of Bean common mosaic Virus. *Archives of Phytopathology and Plant Protection*, 47(12): 1-13.
 14. **Abeer, R.M. Abd El-Aziz; Monira R. Al-Othman; Mohamed A. Mahmoud and Hesham A. Mohamed (2014)**. Xylanase Production by *Aspergillus niger* KSU 23 using Corn Cobs. *JOURNAL OF PURE & APPLIED MICROBIOLOGY*, Vol. 8(Spl. Ed2): 161-166.
 15. **Mohamed, H.A.; N.F. Nasr and I. Abdelkreem, Khadega. (2015)**. Management of tomato damping off disease caused by *Fusarium oxysporum* and *Rhizoctonia solani* using chemical and biological degradable olive mill waste water. *Egyptian Journal of Biological Pest Control*, 25(2): 401-411.
- **Mohamed, H.A.; Arafat, K. and Abdelfatah, A. (2015)**. Evaluation of date palm to infected by root rot fungi and nematode. **(In Press)**.
 - **H.A. Mohamed (2015)**. Effect of fumonisine FB1 toxin accumulation produced by *Fusarium verticillioides* on maize grains quality during storage under artificial conditions. **(In Press)**.
 - **Naglaa. A.M.; Essa, T.a.; Kamel, S.M. and Mohamed, H.A. (2015)**. Production of biofungicide as a wettable powder formulation by various bio-control agents to induce response of resistance in tomato against a vascular wilt disease caused by *Fusarium oxysporum* f. sp. *lycopersici* under green-house condition. **(In Progress)**.
 - * **Mohamed, H.A. and Ismail, M. (2015)**. Biocontrol of storage pathogen on citrus fruits using essential oil as natural control agent at post harvest. **(In Progress)**
 - * **El-Sayed, M.; Abdelbaky, A. and Mohamed, H.A. (2015)**. Advanced methods for differentiation between *Fusarium* species by fatty acids profile. **(In Progress)**
 - ** **El-Wahsh, S.; Mohamed, H.A.; El-Shabrawi, H.M. and Askar, M. (2008)**. New trend in biocontrol of brown spot disease on rice. **[Proposal of project]**.
 - ** **Farag, S.; Mohamed, H.A.; et al. (2010)**. Producing sugarcane varieties resistant to smut and drought stresses using hi-technology. **[Proposal of Project to Ministry of Agricultural]**
 - ** **Farag, S.; Mohamed, H.A.; et al. (2010)**. Using of plant growth-promoting rhizobacteria (PGPR) to controlling of root-rot and wilt diseases. **[Proposal of project Ministry of Agricultural]**
 - ** **Rasmy, M.R.; Mohamed, H.A.; et al. (2011)**. Controlling of root-rot, downy mildew and powdery mildew diseases in case of application for hydroponic and aeroponic as well as agri-techniques. **[Proposal of project]**

- ** **Abdel Salam, K.; Mohamed, H.A.; Zayian, S. ; Kamel, S.; Abdel-Monem, T. (2013).** Controlling of late plight, downy mildew, powdery mildew and rust diseases using nanosensors for early disease detection. [**Proposal of project**]
- ** **Al-Hudibe, A.K.; Mohamed, H.A.; Gouda, M. (2014).** A Novel eco-safety electrospun biodegradable nanofibre mats for controlled release of pesticides for killing of *Rhynchophorus ferrugineus* Olivier (Coleoptera: Curculionidae) larvae in Saudi Arabia. [**Proposal of Strategic Project, Saudi Arabia**], 2014.
- ** **Hisham Abd el-Monem Mohamed, Mohammed Refdan Al-Hajhoj, Maged El-Sayed Mohamed, Mahmoud Moawad El-Sayed Ali, Mohamed Salem AL-Saikhan, Amino Up Chemical Company (2015).** Development of valuable nutraceuticals from date palm fruit: a potential therapy for hepatocarcinoma. [**Proposal of Strategic Project, Saudi Arabia**],
- ** **Hisham Abd el-Monem Mohamed, Dr. Mahmoud, M. Abo-El-Saad, Hamadttu, A. F. El-Shafie (2015).** Assess activities of some human edible plant herbs extracts as acaricidal on the date palm dust mite, *oligonychus afrasiaticus* Meg. (acari: Tetranychidae) in Al-ahsa oasis, KSA. [**Proposal of Strategic Project, Saudi Arabia**],

Skills and Hobbies:

***Language:**

-Arabic : Mother language.

-English : **Writing** **Speaking** **Listening** **TOFFEL**

Very Good Very Good Very Good Passing local &
Prepare to International

***Computer:**

Excellent knowledge:

- MS-WINDOWS 98, 2000, XP and VISTA,
- MS-Office 97, 2000, XP, 2003 and 2007.
- ICDL " International Computer Driving License" by United Nations Educational, Scientific and Cultural Organization Version 4.0 with serial No. EGY000401106 at 03/07/2011
- Maintenance the hard ware
- Searching internet web sites.
- Able to use some software packages related to statistics and Bioinformatics such as: Online gene sequence analysis and its submission to the GenBank database.

*** Hobbies and Interests:**

- Swimming & Horse Riding, playing football
- Keen on Traveling & adore beaches & Resorts.
- Computer Graphics & Animation.

- Reading in Different Topics of Technology (Cell biochemistry and its signals, Robotics, Physics, etc.....).
- Reading, Computer Programs and Internet.
- Preferring work in team.

*** Personal Skills:**

- Willing to innovate & do extra-ordinary professional work.
- Ability to cope with & learn new technologies/Sciences quickly & professionally.
- Advanced researching abilities.
- Highly motivated & can work under high pressure.
- Professional Communication Skills & Self Confident.
- Attend Seminars in Project Management, Time Management and Interviewer skills.

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