

CURRICULUM VITAE

TITLE & PROFESSION:

Professor, Technical manger in Central Agricultural Pesticides Lab.
Agriculture Research Center - Ministry of Agriculture, Egypt



1. PERSONAL DATA

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|----------------|--|
| Name | Elsayed Mohi El-Din Farag |
| Date of birth | 24June 1968 |
| Place of birth | Cairo– Egypt |
| Nationality | Egyptian |
| Marital state | Married with three children |
| Languages | Arabic , English spoken and written (Very good) German (notions) |
| Work address | Central Agricultural Pesticides Lab. |
| Egypt mobile | +201001016664 - +2011-54125071 |
| Qatar mobile | +974 33477079 - 70668400 |
| Qatar Job | Lab. Expert at pesticides Quality control - Agricultural research Department |
| Mail: P.O Box | Ministry of Municipality & Environment 2011- 11/2019 |
| Email | smfarag@yahoo.com dr.smfarag@gmail.com |

2. ACADEMIC DEGREES:

- **Assistant Professor, Ass. Prof., Pesticides Formulation (2009),**
Agriculture Research Center, Ministry of Agriculture, Cairo –Egypt.
- **Doctor of philosophy, Ph.D., Pesticide chemistry (2002),**
Faculty of Agriculture, Cairo University - Egypt.
Thesis title
STUDIES ON BIOACTIVE COMPOUNDS ISOLATED FROM SEA ALGAE
- **Master of Science, M.S., in Pesticide chemistry (1996),**
Faculty of Agriculture, Cairo University - Egypt.
Thesis title PLANT EXTRACTS AND THEIR EFFECTS AGAINST *Sitophilus oryzae* (L.)
AND *Sitophilus granarius* (L.)
- **Pre-Master studies in pesticide chemistry (1990),**
Faculty of agriculture, Cairo University - Egypt.
- **Bachelor of economic insects and pesticides, B.Sc., in pesticide chemistry (Very good) (1990),**
Faculty of Agriculture, Cairo University - Egypt.

3. PROFESSIONAL EXPERIENCE:

Head of Pesticide formulation, quality control at Jan. 2004 – May2011.

For pesticides containers and packages

Central Agricultural Pesticides Lab, Agricultural Research Center-Egypt.

Quality Assurance Manager at Jan 2005 – present.

For pesticide containers and Labeling

Central Agricultural Pesticides Lab, Agricultural Research Center-Egypt.

Technical Manager, Deputy at 2007 –present

Central Agricultural Pesticides Lab, Agricultural Research Center-Egypt.

Quality Assurance Manager, Deputy at July 2003 – Jan 2004.

Central Agricultural Pesticides Lab, Agricultural Research Center-Egypt.

Non-Exclusive Technical Assessor at OCT. 2005 – 11/2005.

National Laboratories Accreditation Bureau (NLAB), Egypt

Assistant Professor at Dec. 2009 – 2012.

Central Agricultural Pesticides Lab, Agricultural Research Center-Egypt.

Professor at Dec. 2012.

Central Agricultural Pesticides Lab, Agricultural Research Center-Egypt.

Pesticide Registration at 1993-1997.AND 2003-2007

Work with team of Registration, Handling and Use of Pesticides in Egypt and it Executive Manual. In this work, the International code of conduct on the distribution And use of pesticides and other FAO relative guidelines were used as baseline.

Pesticide Registration at 1993-1997.AND 2003-2011

Work with team of Registration of Pesticides Committee – Egypt.

Researcher at Aug. 2002- Dec 2008.

Pesticides formulations Department

Central Agricultural Pesticides Lab, Agricultural Research Center-Egypt.

Research Assistant at Mar. 1998 – July 2002.

Central Agricultural Pesticides Lab, Agricultural Research Center-Egypt.

Agronomist at 1990- Aug. 1996.

Pesticide formulation Dept., Central Agricultural Pesticides Lab - Agricultural Research Center-Egypt.

4. JOB DESCRIPTION:

Agronomist at 1990 - 1996.

Pesticide formulation Department, Central Agricultural Pesticides Lab, Agricultural Research Center-Egypt.

Duties entailed physical – chemical properties, natural products, mineral oils and analysis by using GLC , HPLC,

Research Assistant at 1998- 2002.

Central Agricultural Pesticides Lab, Agricultural Research Center-Egypt.

- New types of formulation SC against citrus nematodes
- Compatibility between different formulation types of pesticides.
- Perform method on physico-chemical pesticides formulations:
 1. Soxhelt extraction of natural products in marine organisms.
 2. Ultraviolet Spectrophotometer (UV) determination of Carbendazium and Thiobendazole pesticides in vegetables and fruits of CEN methods.
 3. Viscometer to determining viscosity of pesticide formulations.
 4. Tensiometer to determination surface tension
 5. FTIR spectroscopy techniques
 6. Electronic Microscope Techniques
 7. Tab Density methods
 8. Sieve shakers methods
 9. Density and specific gravity methods
 10. Refractive Index techniques
 11. Conductivity and pH techniques
- Chromatography methods TLC, and Column chromatography
- Chromatographies methods GLC, HPLC, UHPLC and GC/ Mass spectroscopy

Researcher in 2002- Dec. 2008.

Pesticides formulation Section, Pesticide formulation Dept., Central Agricultural Pesticides Lab - Agricultural Research Center-Egypt

- I have shared in establishment of pesticide formulation different types section on September 1999, my duties entailed measurement physico - chemical properties Organophosrs, carbamates, chloropyrofos.compounds
- As Melting point, I was responsible for the operation and maintenance of data presented in order to measure finger print
- Perform method for the impurities found in pesticide formulation
 1. Refractive index for total soluble solid in fruits (TSS)
 2. pH meter to know the difference from Acidic, alkaline pesticides
 3. Melting point for finger print

- Responsible for preparation and QC of all packages standards for pesticide containers.

Technical Manager, Deputy at 2007- present.

Pesticide formulation Dept., Central Agricultural Pesticides Lab - Agricultural Research Center-Egypt.

- Control Charts check for physical – chemical properties of pesticides entire lab.
- The internal training program follows for all analyst staff.
- Write of four Standard Operating Procedure (SOP) and revision of other to ensure the methods are consistent ISO 17025.
- Participate and implement for the Monitoring Plan of Food contaminants in the Lab.
- Ensure all solvents, chemicals and spare parts with high quality before using.
- Follow up of all technical requirements as:
Personnel, Accommodation and environmental conditions, Test and calibration
Methods and method validation, Equipment, Measurement traceability, Sampling,
Handling of test and calibration items, Assuring the quality of test and calibration
Results and Reporting the results.

Non-Exclusive Technical Assessor at 2002 - Present.

Egyptian National Laboratory Accreditation Bureau (NLAB)

As non-exclusive technical assessor, Egyptian National Lab Accreditation Bureau (NLAB) Are sub-contracting me to work within their assessment team to evaluate the compliance of Their clients (Asking for Accreditation) with the technical requirements of the international Standard ISO/IEC 17025:2005.

Quality Assurance Manager, Deputy at July 2006 – Jan. 2008.

Pesticide formulation Dept., Central Agricultural Pesticides Lab - Agricultural Research Center-Egypt

- As Quality Assurance Manager (QAM) oversees all lab activities in compliance with ISO 17025 international standard, lab Quality Assurance Manual, Standard Operating Procedures (SOPs), and principles of Good Laboratory Practice (GLP).
- Responsible for conducting lab internal auditing program.
- Responsible for execution of the internal quality control program.
- Responsible for execution of the lab proficiency Testing Program.
- Responsible for execution the annual calibration plan of the lab instruments.
- Responsible for lab internal training activities.
- Interact with regulatory agencies during on-site visits as well as written correspondence.

Head of Persistent Physical finger print Section at 1999– May 2006

Central Agricultural Pesticides Lab, Agricultural Research Center-Egypt.

- Build up of the new method for determination of Melting point in all types of Pesticide formulations based on EPA methods.
- As a principal scientist, I am involved in assisting in the resolution of technical problems and development of solutions to new sample preparation obstacles. Focuses on existing and future analytical methods.
- As a head of physical finger print and physical –chemical properties using the standard preparation group which resulted in upgrading lab QA/QC traceability and verification of standards.
- Coordinating the training and development of the staff in the field of Persistent Organic pollutant analysis.
- Technical manager for physical pesticides analysis methods.

Quality Assurance Manager at 2005 – Present.

Pesticide formulation Dept., Central Agricultural Pesticides Lab - Agricultural

Research Center-Egypt.

- As Quality Assurance Manager (QAM) oversees all lab activities in compliance with ISO 17025 international standard, lab Quality Assurance Manual, Standard Operating Procedures (SOPs), and principles of Good Laboratory Practice (GLP) for toxicity lab.
- Responsible for conducting lab internal auditing program.
- Responsible for execution of the internal quality control program.
- Responsible for execution of the lab proficiency Testing Program.
- Responsible for execution the annual calibration plan of the lab instruments.
- Responsible for lab internal training activities.
- Interact with regulatory agencies during on-site visits as well as written correspondence.

Technical Coordinator at 2007– May 2009.

Pesticide formulation Dept., Central Agricultural Pesticides Lab - Agricultural Research Center-Egypt.

- Technical support for all analytical chemistry staff.

5. TRAINING COURSES:

- 1 Assessment of agricultural pesticides, Central Laboratory for Pesticides 22/8-1/10/1992**
- 2 Sampling Techniques for the Analysis of Chemical Contaminants In Food.**
Central Agricultural Pesticide Lab- Egypt, January 22-26,1995.
- 3 Scientific writing on the draft NARP and USAID 8-12/5/1994**
- 4 Abstracts of natural and how to obtain them and use them in the field of pest control. Central Agricultural Pesticide Laboratory, 1997**
- 5 Training course for the development of the skills of researchers in the use of the Internet and information technology for scientific research, the National Library during the period 17-18/6/2003**
- 6 Training program in integrated pest management and reduce environmental pollution, plant Baroud lake 6-20/4/2004**
- 7 Scientific writing on the draft NARP and USAID 8-12/5/1994**
- 8 The use of computers in the field of statistics test. Central Laboratory for Research Design and Statistical Analysis, 2004**
- 9 American University English Language (TOEFL) 1992 a very good grade 373 degrees**
- 10 Assessment and analysis of pesticides and estimation of their effects on the soil remaining Central Laboratory for Pesticides 8-12/8 / 2005.**
- 11 For the training program entitled pesticides and doomed them, the Central Laboratory for Pesticides 5-16/3 / 2005**
- 12 Scientific Writing.**
Center of Press and Publication – Cairo university, 11-16 October 2003.
- 13 Enabling activities to facilitate early action on the implementation of the Stockholm Convention on Persistent Organic Pollutants (POPs).**
Egyptian Environmental Affairs Agency (EEAA), Cairo-Egypt, 05-06 April, 2004.
- 14 Enabling activities to facilitate early action on the implementation of the Stockholm Convention on Persistent Organic Pollutants (POPs).**

Egyptian Environmental Affairs Agency (EEAA), Cairo-Egypt, 13-19 Dec., 2004.

- 15 ISO/IEC 17025:**
“General Requirements for the Competence of Testing and Calibration Laboratories”
International Organization Standard and Egyptian Organization of Quality and Standardization, ISO/EOS Workshop, Cairo-Egypt, 06 Dec., 2005.
- 16 Specialized training course in the Internal Audit for ISO 19011** in the period 4-5 / 11/2006
- 17 Management of disposal of waste pesticides. Validity of pesticide containers and safe disposal of 17-21/9 / 2006.**
- 18 FAO/IAEA/WHO Regional training workshop on sampling for pesticide residue analysis of vegetables and fruits**
Organizes by FAO/IAEA/WHO middle east countries with Ministry of Environment & Water in Alain, United Arab Emirates 21-25/6/2009.
- 19 Course of specialized training in the field of control of the circulation of pesticides 2006.**
- 20 The use of modern biotechnology in the molecular characterization of medicinal and aromatic plants and production of alkaloids and volatile oils.** National Center for Research and Training Center, the development of skills 1-7/10/2006.
- 21 Biological evaluation of herbicides, weeds and grass in the Central Laboratory in 2007.**
- 22 Practical training for the official dealers of pesticides in the period from 2005-2007.**
- 23 The use of chromatographic methods of analysis of the National Center for Research, 2008.**
- 24 Recent trends in technology, pesticide formulations Central Laboratory of Pesticides 2009.**
- 25 . Registration and handling of pesticides globally and locally, the Central Laboratory for Pesticides 2009.**
- 26 English language at the American University conversation conversation a very good grade B + 3.3 October-November 1992.**
27-

6. SCIENTIFIC CONFERENCES:

- 1. The First Conference of The central Agricultural Pesticide Lab.**
For use pesticides with safer methods
Agricultural Research Center-Egypt.
Cairo, Egypt, Sept, 3-5, 2002.
- 2. International Seminar on Plant protection.**
Plant Protection Institute, Agricultural Research Center-Egypt., *November 25-29, 1999.*
- 2. International Seminar on Plant protection.**
Plant Protection Institute, Agricultural Research Center-Egypt., *2003-2004.*

3. **Eighth Conference for the development of agricultural research.** Faculty of Agriculture, Ain Shams University, 2002.
4. **Second Conference on Organic Agriculture** Conference Room 2004
5. **A clean environment and safe food. Faculty of Agriculture - Ain Shams University ,5-7 / 12 / 2006.**
6. **Use a microwave to prepare samples for chemical analysis and the use of microwave to create materials laboratory company Atef Rizk, Concorde Hotel Heliopolis Cairo 2006.**
7. **Scientific Symposium on the use of pesticides, modern biotechnology Dow Agrosains, Grand Hyatt Cairo 2007**
8. **Rationalize the use of pesticides and risk assessment.** Faculty of Agriculture - Alexandria University, 2007.
9. **Scientific Symposium on the draft Altwmp with the European Union Institute for Genetic Engineering 2008**
- 10 **Scientific Symposium of the Division of Pesticides Pesticides, Faculty of Agriculture - Cairo University 2008**
- 12 **The scientific symposium on environmental pollution and the solutions applied to the Faculty of Agriculture, Cairo University, April 2008.**
- 13 **Industry conference, the first plastic explosive Fair Ground in Cairo, 2005**
- 14 **Second Congress of the industry Allastic Fair Ground in Egypt, 2006**
- 15 **Third, scientific conference Plant Protection Institute, participants examined, 2008.**
- 16 **Scientific Symposium on the pesticide containers company Syngenta Sheraton Cairo 2009.**
- 17 **Conference towards the production of safe food Industry Modernization Center, Ministry of Industry and Commerce, Cairo, 2009.**

7. EXPERENCES

1. Plant extracts, as one of the natural alternatives to pesticides, 1997.
2. Experience in the assessment of pesticide formulations - examine and assess the physical properties of pesticides - toxic bait processing of some private companies - Study of the natural properties of materials and diluted carrier and additions - Processing Plant Extracts Cosmetics - mineral oils - mixtures of pesticides and study compatibility with natural fertilizers in the period from 25 / 1/92- 9/12/1998.
3. The use of biotechnology in pest control, Faculty of Agriculture, Cairo University, 1999.
4. The Conference of the Central Laboratory for Pesticides, the first pesticides International Center for Agriculture 2001.
5. Recent trends in pest control, Faculty of Agriculture, Cairo University 2002
6. Member of Central Laboratory of pesticides Committee 2002 to 2007.
7. Participate in the processing suite and Ministry of Agriculture - Central Laboratory for Pesticides Exhibition, Cairo International Fair Ground, 2003.
8. Participate in the processing suite and Ministry of Agriculture - Central Laboratory for Pesticides Exhibition, Cairo International Fair Ground, 2004.
9. A member of the draft safe disposal of pesticides, commissioned by the President of the services sector the Ministry of Agriculture and Dr. Riic central administration to control pests, 2005.

10. Teach courses, marine algae in the field of pest control - Lake 2004
11. Teach course, rational use and how to use modern machinery and spraying pesticides in 2005
12. Training program for dealers of pesticides with the associations concerned with the period from 2005 -2007.
13. Participate in the processing suite and Ministry of Agriculture - Central Laboratory for Pesticides Market Exhibition, Cairo International Fair Ground, 2005.
14. A member of the draft safe disposal of obsolete pesticides in cooperation with the Ministry of Environment 2005 to present.
15. Participate in the processing at Ministry of Agriculture - Central Laboratory for Pesticides - Exhibition Sahara, 2005.
16. Participate in the processing at Ministry of Agriculture - Central Laboratory for Pesticides - Exhibition Sahara, 2006.
17. Participate in the preparation of Research Department pesticide formulations to obtain the ISO 17025/2005.
18. Supervisor to address pesticide Atapron 5% pharmaceutical department in July 2005
19. Supervisor for pesticide re-evaluation Atapron total of 169 tons of the remaining 2006.
20. Participate in addressing pesticide Garlon -4 48% weeds Society of Central 2006.
21. Supervisor on the production and manufacture of attractive food CAPL Star and based on advertising and marketing is 2006-2007.
22. Many lectures in the training program for dealers of pesticides with the associations concerned with this in different governors from 2005 to 2007.
23. Supervisor Stands supply of pesticides and pesticide containers Central Laboratory for Pesticides 2006 to present.
24. Supervisor on the quality of pesticide containers Pesticides, Department of Hygiene 2010
25. Participate in the exhibition of regional agro-industrial lake, 2005
26. Participate in the exhibition of the lake the third regional agro-industrial 2006.
27. Participate in the processing suite and Ministry of Agriculture - Central Laboratory for Pesticides - My Deserts, 2007
28. Participate in the exhibition of regional agro-industrial lake IV 2007.
29. Participate Fair magazine and the preeminence in Sulaimaniya, October 6 preeminence 2 for the reconstruction and building the desert in July 2007.
30. A lecturer in the exhibition at the invitation of the PLASTEX2007 Imported under the title International African Arabian Exhibition for Plastic Industries Fair Ground 2007.
31. Supervisors to follow up the training and examination training program traders pesticides button lighter colleges and training institutes, 2008 to present
32. Lecturer and Consultant at sector guidance and training Central Laboratory for Pesticides
- 33- Expert and consultant of Pesticides quality lab. Ministry of Municipality& Environment – Qatar 2011- present
- 34- Consultant of pesticides – Central Agric. Lab. – Pesticides quality Lab.2011- present
- 35- Coordinator for New Doha International Airport 2012- present
- 36- Consultant for Hamad Port 2014- present
- 37- Coordinator with WHO and FAO organizations – Qatar
- 38- Consultant for pesticide committee with Agricultural affairs
- 39- Reviewer for Qatar Standardizations for pesticide residues Specifications at GCC-2015 With Qatar Standard and Ministry of Supreme Health
- 40- Consultant for food products standard Methods of pesticides Residues and heavy Metal 2018
- 41- Codex of Pesticide residue on food and feed (FAO and WHO 2013)

- 42- Codex of Pesticide residue on food and feed (FAO and WHO 2015)
- 43- STANDARDIZATION ORGANIZATION FOR G.C.C GSO5/FDS / 2010 for packaging Whole dates
- 44- STANDARDIZATION ORGANIZATION FOR G.C.C GSO5/FDS / 2015
- 45- New 13 Qatar Standardization for Foods Standard specifications 2018
- 46- STANDARDIZATION ORGANIZATION FOR G.C.C GSO5/FDS / 2018

8-COMPUTER SKILLS:

Teaching the principles of computer and the principles of Windows (11) 1993

Ability to use different computer programs such as:

- * Microsoft Word.
- * Microsoft Excel.
- * Microsoft PowerPoint.
- * Microsoft Project

9. CURRENT ACTIVITIES:

- **Supervision of Academic Degrees:**

- **M. Sc. Of “Mutual effects of pesticide formulation in HDPE packages”**
Faculty of science, Chemistry Department, Tanta University. Supervising from 13.8.2002.
- **M. Sc. Of “Enhancement of pesticides by using some adjuvants”**
Faculty of Science, Chemistry Department, Cairo University. Supervising from 4.11.2003.

- **Scientific Publications:**

1- The bioactivity of certain plant-derived oils on adults and eggs of sweetpotato whitefly, *Bemisia . Farag, E. M.A., Farag, A. A., Lobna, T. M. Zidan and Abdel-Fattah, Y. W. tabaci* GENN *Egypt. J. Appl. Sci., 18(12B) 2003.*

2- Evaluation of *Datura innoxia* aqueous extracts as bioactive agents against *Tylenchulus semipenetrans* and *Meloidogyne incognita* nematodes

El-Kadi, A. M. A.; Farag, E. M. A, M. A.Hussin and hanaa A. E.Attia
Egypt. J. Apple. Sci.,2 1 (4A) 2006.

3- Involvement of paraoxonase (PON) in oxidative stress induced by chlorpyrifos in albino rats

Khaled, H. Gabrownny; Farag, E. M. A.; and Ahmed, A. A. Sallam
J. Egypt Sci. Toxicol. (Vol.37:71-86 July 2007).

4- Effect of both package type and tropical storage on physical-chemical properties of some granular formulations. *El-Kady, A. M. A; Farag, E. M. A.; Hussin, M. A. and H. M. El-Torkey.*
Egypt. J. Appl. Sci.,2 3 (8B) 2008

5- Infestation of tomato fruits with tomato fruit borer, *Helicoverpa armigera* (HUBN) and its control using some local and more safe materials compared with conventional insecticide. *Soliman, M. H. Abdel-Rahman; Gehad m. Mousa and Farag, E. M. A. Egyptian J. of Agricultural Research, 86 (2), 2008.*

6- Polyethylene packages of liquid pesticide formulations as an important factor in physico-chemical properties of stored pesticides under tropical storage.

El-Kady, A. M. A; Farag, E. M. A.; Hussein, M. A. And H. M. El-Torkey. Egypt. J. Appl. Sci.,24 (3) 2009

7- Formulation and evaluation the nematicidal activity of certain plant oils against Citrus nematode *Tylenchulus semipenetrans*

El-Kady, A. M. A.; E. M. A. Farag and H. M. El-Torkey. Central Agricultural Pesticides Laboratory, Agric. Res. Center, Dokki-Giza, Egypt.

8- EFFECT OF STORAGE CONDITIONS ON PHYSICO-CHEMICAL PROPERTIES OF SOME PESTICIDES FORMULATED AS EMULSIFIABLE CONCENTRATE IN THEIR COMMERCIAL PACKAGES.

El-Khiat¹. Zakia.K; Z.H.Zidan²; W.M.A.El-Sayed² and **E.M.A.Farag**¹

9- Involvement of Paraoxonase (PON) in Oxidative stress induced by Chlorpyrifos in Albino Rats Khaled. H. Gabrowni^{1*} and **E.M.A. Farag**² and Ahmed, A.A.Sallam³

10- The Effectiveness of Adjuvants on Different Formulations of Lambda-Cyhalothrin Against Cotton Leaf Worm.

¹Zakia K. El-Khiat, ²Walaa El-Sayed, ²Mohamed I. Abdel-Megeed and **El-Sayed M. Farg**¹

- A publication under Publish:

- Liquid formulations and their effects against HDPE plastic Packages
- Mineral oils using to control Mango pests in Ismalia.

- Professional Affiliations:

- Member of Egyptian Bulletin Society Egypt.
- Assistant Auditor for the Journal of Food, Agriculture & Environment JFAE and International Society of Food, Agriculture and Environment at Mansoura faculty, Egypt.
- Egyptian Journal of Agricultural Research. Egypt.

- Member of the Syndicate of agricultural
- Member of the Association of Agricultural Chemistry and environmental protection.
- Member of the Egyptian Association of insects.
- Member of the Foundation on hospitals (International Center Arab regional) lecturer.

10. PROJECTS:

1-The draft safe disposal of obsolete pesticides in cooperation with the Ministry of

Environment 2005.

2- Quality control of Package Company in Egypt 2008.

3- Toxicological studies on pesticide risk assessment of Qatar environment

- 4- Studies efficacy of certain pesticides and comparable with other components against some of pests in Qatar.
- 5- Risk assessment of using pesticides in Qatar.
- 6- Quality control of reuse of water treatment Shell company Project.

Prof. DR.SAYED FARAG

Dr. Sayed Farag

Expert for Pesticides quality

And Consultant for pest control and risk assessment

Central Agric lab.

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