



Curriculum Vitae

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Personal

Date of Birth: January - 17 – 1980

Place of Birth: Mansoura, Egypt.

Nationality: Egyptian

Gender: Female

Official address: Zoology Dep., Faculty of Science, Mansoura University, Egypt.
P.O. Box 35516.

Field of interest:

- Chemistry of natural products (extraction, fractionation. Isolation, spectral analysis, identification, and biological activity test)
- Spectroscopic means: GC/MS, LC/MS-MS, IR, UV & NMR of organic molecules.
- Insecticidal activity of the natural chemical compounds.
- Harmful insects control by discovering and seeking of the new natural insecticides

Professional & Teaching Experience:

Practical Courses & Lectures taught by applicant

- 1- Chemistry of natural product insecticides (Lectures).
- 2- Chemical control of insects (Lectures & Practical).
- 3- Insecticidal applications and activity.
- 4- Cell biology and Histology.
- 5- Animal Physiology
- 6- Animal comparative anatomy.
- 7- Entomology (Taxonomy, Anatomy, Morphology, Micro-techniques, and histopathology) (Lectures & Practical).
- 8- General Zoology.
- 9- Ecology (Lectures & Practical).

The designed electronic courses by the applicant:

- 1- Chemistry of natural product insecticides course
- 2- General Entomology & insect morphology course
- 3- An introduction of Ecology course



Fellowships & Awards:

- Partnership & Ownership (ParOwn 0607) which conceded as postdoctoral fellowship in Jacob's University (IUB), [Bremen, Germany](#), under supervision of Prof Dr Nikolai Kuhnert, Professor of natural products chemistry, Chemistry department.
- Participant in SUMMER SCHOOL 2009 (NOP), "Sustainability in the organic lab course" at Technische Universität, Carolo-Wilhelmina, Zu [Braunschweig, Germany](#).

Memberships:

1. The natural health product Research Society of [Canada](#) (NHPRS)(2009).
2. [Egyptian](#) Society for Environmental Sciences (ESES) (2009).
3. [Arab](#) society for plant protection (ASPP) (2009).

Activities:

- Active member at the Continuous Improvement and Quality Assurance Project (CIQAP) at faculty of science-Mansoura University, funded by the national authority for quality assurance and accreditation of education
- Attending the "Science year follow up Event". 10th and 11th November 2008 organized by German Academic Exchange Service (DAAD)
- Attending the "Germany Alumni Fair". 12th and 13th November 2008 organized by German Academic Exchange Service (DAAD) in cooperation with other German institutes, at the Conference Center of Cairo University
- Attending the "Science Supercourse Day" at the Bibliotheca Alexandrina, 05 January 2009
- Organizing member in "Youth Week for Egyptian universities" held in Mansoura University from 7th February to 12th February 2009
- A reviewer at the European journal of Operational Research (EJOR)
- A reviewer at the Bio-resources technology journal (BITEJ)
- Organizing member in "the 2nd international conference on biological and environmental sciences (ICBES 2nd) which will takes place in Mansoura University-faculty of science (Zoology & Botany Dep.) from 13 to 16 March 2010.
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Special skills:

Skill	Relative Grade
- Reading and research	Excellent
- Communication with others	Excellent
- Computer and internet skills	Very good

Practical experiences:

-Scientific instruments (spectral analysis instruments) having a training in the use of GC/MS (Varian Saturn 2100) and high field NMR spectroscopy (Jeol ECX 400 MHz), and can use these instruments independently. And can use the scientific databases (Scifinder CAS), in addition to using the most recent spectral instrument LC-MS tandem mass (Bruker HCT ultra) and the modern NMR spectroscopy (2-D NMR). All of these experiences were gained in Jacobs University (IUB), Bremen, Germany.



- Identification of Anopheline, Culicine and Aedes.
- Collection of adult mosquito using different type of collection methods, (Indoor, Outdoor, Light trap, Exit trap, Drop net, Bed net, Fabricated trap, All night man landing collection etc.,)
- Collection of immature from the field, Oviposition experiments, Colony maintenance of vector species.
- Species composition and seasonality, prevalence of vector mosquitoes Colonization and rearing of different vector species.
- Evaluating the insecticidal activity of purely isolated natural chemicals
- Boi-assay data statics

Using scientific computer programs such as: Chemoffic, Chemwin, SciFinder search program and Ldp- line statistical program in addition to the adobe Photoshop and Microsoft Office programs

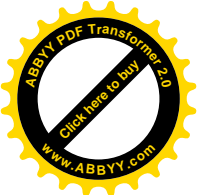
-Very good in designing of the electronic course

Trainings:

- 1- Local preparatory training in the information technology software (Dos, Windows, Microsoft office & internet) also, introduction to PC maintenance & protection, from 12/5/2001 – 5/7/2001.
- 2- Local training on the study and research skills in English, Faculty of Education, Mansoura University, from 12/5/2001 – 5/7/2001.
- 3- Local training on management skills and public relations, Faculty of Business, Mansoura University, from 12/5/2001 – 5/7/2001.
- 4- Training in the Mansoura University Development Centre (E-mail: udc@mans.edu.eg, <http://udc.mans.edu.eg/arabic/body.asp?button=%C8%CD%CB&id=1502>)
 - a. **Thinking Skills**, (20 hrs), from 5-8 June 2005.
 - b. **Methods of Scientific Researches**, (20 hrs), from 19-22 June 2005.
 - c. **Effective Presentation Skills**, (20 hrs), from 31/7/05 – 3/8/05.
 - d. **Effective Communication Skills**, (20 hrs), from 18- 21 September 2005.
 - e. **Research projects of local and global competitiveness**, (16 hrs), from 23- 25 November 2008
 - f. **Quality standards in the learning process**, (16 hrs), from 1-3 January 2009
 - g. **Scientific Publishing**, (16 hrs), from 19-22 April 2009
- 5- Complementary course in the installation of the electronic microscope and uses different methods and different sample processing vital, Zagazig University, Faculty of Science, **Electron Microscope Centre**, from 25-27 March, 2007 .
- 6- Having a program of **Universal Lecturer training cycle number 61**, Faculty of Education, Mansoura University, 1-11 July 2007.
- 7- The **ICTP** (International Computer Training Program), Faculty of Computer & Information Sciences, Mansoura University,
- 8- Participant in the “**FP7 Workshop**”.13th November 2008 organized by DAAD. In addition to “proposal writing workshop” 11th November 2008.
- 9- Attendance of Session to prepare leaders, from 24th to 29th of July 2009.

Academic Qualifications:

- * **B.Sc. in Science, Chemistry and Zoology:** Mansoura University, Faculty of Science, Zoology & Chemistry, (2000)



* **M.Sc. in Science, Entomology (Chemistry of natural insecticides):** Mansoura University, Faculty of Science, Entomology, (2004)

M.Sc. Title: "STUDIES ON THE INSECTICIDAL EFFECT OF CERTAIN NATURAL PRODUCTS ON SOME ECONOMICALLY IMPORTANT INSECT SPECIES".

Recorded Ph.D. in Philosophy of Science: Mansoura University, Faculty of Science, Entomology, and the recording date were from 2005.

* **Ph.D. in Science, Chemistry of Natural Insecticides:** titled with "Biological and chemical studies of some natural plant extracts and their constituents for the control of the household mosquito", Mansoura University", February (2008).

* **Postdoctoral fellowship (Chemistry) at Jacobs University, Bremen, Germany** June, 2008.

Academic Positions:

1- Assistant researcher at the system of the Environmental Affairs, time from 9 to 11-2001.

2- Restorative in Department of Zoology-Faculty of Science- Mansoura University, from 12/2002 – 9/2004.

3- Assistant Lecture in Department of Zoology-Faculty of Science- Mansoura University, from 2004-2008.

4- Lecturer in Department of Zoology-Faculty of Science- Mansoura University, from April-2008 till now.

Language

4- Mother tongue: Arabic

5- English:

Speaking: very good (with constant and never-ending improvement believe)

Writing: very good

Understanding: very good

- German:

Preparing for a course (ZD) in German languish at deutsche Welle online learning.

Conferences:

- 9th International Conference on Chemistry & its Role in Development (ICCRD'9), held in Mansoura & Sharm Elsheikh, [Egypt](#), from 16-22 April 2007.
- 1st International Conference for Biological & Environmental Sciences (ICBES'1), held in Mansoura & Hurghada, [Egypt](#), from 13-16 March 2008.
- 10th International Conference on Chemistry & its Role in Development (ICCRD'9), held in Mansoura & Sharm Elsheikh, [Egypt](#), from 16-22 April 2009.
- 2nd half of the UN Decade conference ([UNESCO for Education for Sustainable Development, ESD](#)), held in Bonn, [Germany](#) from March, 31th to April 3rd 2009.
- Attending the video conference at Mansoura university for "how to write a competitive proposal for framework 7" the presenter Dr. Sean McCarthy, 20/5/2009

References:



Prof Dr Mamdouh Abd-Elmogib Mohamed, mamdouh_m@mans.edu.eg
Prof Dr Ahmed Ebeid, (+2) 0105675323
Prof Dr Abd-Elraof Salam, (+2) 0163527757
Prof Dr. Nikolai Kuhnert, Germany, n.kuhnert@jacobs-university.de
Prof Dr. Mufed Baha, m.bahadir@tu-bs.de

List of Publications:

- 1- Salem H. A., *Abo El-Zahab M. M., and **Abd El-Aty, Z. Sh.**, " Effect of some Pure Natural Products from khella plant *Ammi majus* (Fam.: Umbelliferae) against *Culex pipiens* Mosquito Larvae". **J. Egypt. Ger. Soc. Zool.** Vol. (50E): Entomology 99-116, (2006).
- 2- Salem H. A., and **Abd El-Aty, Z. Sh.**, Insecticidal and Histopathological Effects of Piperine from Black Pepper *Piper nigrum* (Fam.: Piperacecae) against *Culex pipiens* Mosquito Larvae. **J. Egypt. Ger. Soc. Zool.** Vol. (56E): Entomology 57-78, (2008).
- 3- Sallam A. M., and **Abu-Elnaga, Z. Sh.**, (2008). Evaluation of the insecticidal and repellent activity of Piperine from black pepper (*Piper nigrum*) fruits, on the cotton-leaf worm, *Spodoptera littoralis* (Lepidoptera: Noctuidae). **J. Egypt. Ger. Soc. Zool.** (in press).
- 4- Sallam A. M., and **Abd El-Aty, Z. Sh.** Insecticidal activity of some natural products on the confused flour beetle, *Tribolium confusum* (Coleoptera: Tenebrionidae). 9th International Conference on Chemistry & its Role in Development (ICCRD'9), held in Mansoura & Sharm Elsheikh, Egypt, from 16-19 April 2007.
- 5- Sallam A. M., Mamdouh A. M and **Abd El-Aty, Z. Sh.** (2008). Larvicidal and mosquito repellent action of lavender oil (*Lavandula angustifolia*). International Conference for Biological & Environmental Sciences (ICBES'1), held in Mansoura & Hurghada, Egypt, from 13-16 March 2008.
(Under publication).
- 6- Insecticidal activities of Zingiber officinalis and cynbopogon nardus" Z. Abo Elnaga, N. Kuhnert , M. Abdel-Mogib, Pharmaceutical Biol. 2009, 47, 27.
- 7- Super-course lecture entitled "Green chemistry and its role for sustainability" linked at <http://www.pitt.edu/~super1/lecture/lec35271/index.htm>
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