

CURRICULUM VITAE

Dr. Nagwan F. Zahran



PERSONAL DATA:

Date and place of Birth: April 13, 1974, Cairo – Egypt.

Marital status: Married

Office: National Centre for Radiation Research and Technology (NCRRT),
Egyptian Atomic Energy Authority (EAEA), 3 Ahmed El-Zomur St., Nasr
City, Cairo, Egypt.

Religion: Moslem

E-mail: nagwanzahran@yahoo.com

Nationality: Egyptian.

EDUCATION:

1997 B.Sc. of Agriculture – Econ. Entomology from the Faculty of Agriculture
Science – Ain Shams University.

2006 M.Sc. in (Entomology), Faculty of Agriculture Science, Ain Shams
University.

Title: Combined effect of gamma radiation with certain biocides on Potato tuber
moth *Phthorimaea operculella*

2013 Ph.D. in (Entomology), Faculty of Agriculture Science, Ain Shams
University.

Title: The combined effect of gamma radiation and plant extracts on peach fruit
fly, *Bactrocera zonata* (Saunders).

PERSONAL SKILLS

Language Skills:

Arabic, mother tongue.
Good command of English

Writing Skills:

Reports and letters in both Arabic and English.

Computer Skills:

Microsoft Word.
Microsoft Power point.
Microsoft Excel.
Internet research skills.

Research Interests:

- Breeding pests of stored grain, Potato tuber moth and peach fruit fly, *Bactrocera zonata*.
- Beekeeping.
- Gamma irradiation.
- Biology and Biochemistry of irradiated insects.
- Scanning electron microscope of sense organs.
- Uses of plant extracts for control peach fruit fly.
- Statistics.

Experience:

- **February 2007:** Contributed in organizing The “Radiation and Integrated pests Management Programs” training course held under patronage of Arab Atomic Energy Agency and Egyptian Atomic Energy Agency (25 February – 1 March 2007).
- **March 2008:** Contributed in organizing The “Radiation and Integrated pests Management Programs” training course.
- **July 2009:** Training course entitled (Integrated Pests Management (IPM)). National Centre of Nuclear Sciences and Technologies (CNSTN) in Tunisia.
- **December 2009:** Training Workshop on the Reclassification and Improving Integrated Pests Management (IPM) for Fruit Flies Control in Central and North Africa. (IAPSC) Cairo-Egypt.
- **March 2010:** Participating and organizing the second International Conference in Radiation Sciences and Applications.
- **July 2010:** Training course entitled (The role of radiation in Integrated Pests Management (IPM)). National Center for Radiation Research and Technology- Egypt.
- **November 2012:** Participating and organizing the third International Conference in Radiation Sciences and Applications.
- **May 2013:** Training program for the prevention of ionizing radiation, Egyptian Atomic Energy Authority (EAEA).
- **May 2015:** Participating in 12th Arab Conference on the Peaceful Uses of Atomic Energy (16-20 May, 2014, Sharm El- Sheikh, Egypt).
- **December 2016:** Participating in 5th International Conference in Radiation Sciences and Applications (7-12 December 2016, Luxor and Aswan, Egypt).
- **December 2016:** Participating in 13th Arab Conference on the Peaceful Uses of Atomic Energy. (18-22 December, Hammamet, Republic of Tunisia).

Scientific Societies and Journals Contribution:

- Co-founder of the Egyptian Society of Radiation Sciences and Applications.
- Editor at Journal of Radiation Researches and Applied Sciences.
- Member of the Egyptian Society of Radiation Sciences and Applications.

Awards:

- Best article award, 2nd International Conference in Radiation Sciences and Applications (28 March – 1 April 2010, Marsa Alam).
- Appreciation certificate for organizing 2nd International Conference in Radiation Sciences and Applications (28 March – 1 April 2010, Marsa Alam).
- Appreciation certificate for organizing 3rd International Conference in Radiation Sciences and Applications (12 -16 November 2012, Hurghada).
- Appreciation certificate for organizing 4th International Conference in Radiation Sciences and Applications (13-17 October 2014, Taba).

List of publications:

1. Zahran F. M. Nagwan, Rizk A. Madiha, L. A.Youssef, Salem A. Hedaya, Haiba M. Imman (2005): Certain Biological Aspects of Potato Tuber Moth, *Phthorimaea operculella* (Zeller) Treated as pupae with Gamma Radiation. Research Bulletin, Ain Shams Univ., 2005.
- 2- N. F. Zahran, H. M. Salem, I.M. Haiba, M. A. Rizk, L.A. Youssef (2010): The Combined Effect of Gamma Radiation and some Bacterial Biocides on Potato Tuber Moth, *Phthorimaea operculella* Zeller. Second International Conference on radiation Sciences and Applications, 28 March- 1 April, 2010, Marsa Alam- Red Sea- Egypt.
- 3- Zahran, N.F.M.; Hegazy, G.M.; Salem, H.M.; Elsayed, W. and Mahmoud, Y.A. (2013): The Effect of Gamma Radiation on some Biological Aspects of Peach Fruit Fly, *Bactrocera zonata* (Saunders). J. Nucl. Tech. Appl. Sci, Vol. 1, No. 1, PP. 91:100.
- 4- Salem, H.M.; Hegazy, G.M.; Zahran, N.F.M.; Elsayed, W.Y. and Mahmoud, A. (2015): Radiation Effect on the Ultrastructure of Female Ovipositor of Peach Fruit Fly, *Bactrocera zonata* (Saunders). Twelfth Arab Conference on

the Peaceful Uses of Atomic Energy, Sharm El- Sheikh, Arab- Republic of Egypt, 16-20 May.

- 5- Hamza, A.F. and Zahran, N.F. (2015): Evaluation of Thuja Essential Oil Against Faba Bean Beetle *Bruchidius incarnatus* (BOH.). Egyptian Journal of Biological pest control, 25 (1), 221-226.
- 6- Zahran, N.F.M.; Hegazy, G.M.; Salem, H.M. and Elsayed, W.Y. (2016): Influence of Gamma Radiation on Elemental Composition in Peach Fruit Fly, *Bactrocera zonata*(Saunders). Thirteenth Arab Conference on the Peaceful Uses of Atomic Energy, Hammamet, Republic of Tunisia, 18-22 December.
- 7- Hamza, A.F.; Zahran, N.F. and Sayed, R.M. (2016): Fatty and Amino acids Composition of *Bactrocera zonata* as affected by Substerilizing and Sterilizing Doses of Gamma Radiation. Journal of Entomology and Zoology Studies, 4(6): 713-717.
- 8- Zahran, N.F.; Hamza, A.F.; and Ramadan, M.H. (2016): Gamma Irradiation as an Alternative Treatment for the Control of *Lyctus africanus* Lesne in Dry wood. Egyptian Journal of Biological pest control, 26 (1), 97-101.
- 9- Hamza, A.F.; Said, R.M.; and Zahran, N.F. (2016): Toxic and Antifeedant Activity of *Moringa oleifera* Leaves Extracts and/or Gamma Radiation against *Spodoptera littoralis* Larvae. Egyptian Journal of Biological pest control, 26 (3), 551-556.
- 10- Zahran, N.F.; Hamza, A.F. and Said, R.M. (2017): Evaluation of Changes in Genetic Characteristics of Male Peach Fruit Fly, *Bactrocera zonata* Irradiated with Gamma Radiation using RAPD-PCR Technique. Pakistan J.Zool, 49(3), 951-956.
- 11- Said, R.M.; and Zahran, N.F. (2017): Biological and Biochemical Alterations Associated with Sterility Induced by Gamma Radiation on Parents and First Generation Males of *Helicoverpa armigera* (Hübner). Egypt. Acad. J. Biolog. Sci., 10(3):43–51.