Curriculum vita (CV)

Family Name: Shairra **Given Name: Souad**

Complete Name: Souad A. Shairra **Sex: Female**

Country: Egypt **Citizenship: Egypt**

Nationality: Egyptian **Date of Birth: 15/11/1963**

Address : Dream Land Resort - Town House – Villa No.26 - 6 October City - Giza Governorate - Egypt.

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Personality state: Marred and I have 2 Sons

Education and Qualifications:

PhD - Cairo University, Collage of Science, Entomology Department, Specially on Biological Control, 2007.

Title: Effects of entomopathogenic nematode and some pharmaceutical inhibitors of eicosanoid biosynthesis on the desert locust *Schistocerca gregaria* (Forskal).

The thesis is accepted by Dr Larry Duncan, University of Florida and Dr Thompson S. N., University of California.

M.Sc. - Cairo University, Collage of Science, Entomology Department, especially on Biological Control, 2000.

Title: Studies on the effects of some entomopathogenic nematode isolates on different host species.

The thesis is accepted by Dr.S.N. Thompson, University of California.

Bachelors of Science, Cairo University, Collage of Science, Entomology Department, 1990.
Career:
1 - Bachelor of Science in temporary since 1992 until 24/9/2002 Department of biological control research.

2 - Research Assistant on 24/9/2002 the decision No. 5852 of 2002, Department of biological control research.
3 - Researcher on 30/6/2007 the decision No. 3065 of 2007, Department of biological control research.
4 - Assistant Professor (Senior Researcher) on 9/8/2012 the decision No. 4341 for the year 2012, the Department of biological control research.
***International UNICCO (ICDEL - 2009)**
****Consultants certificate in field of: Biological Control (2009).**

Local TOEFEL: 453

Work Experience: Since 1992 at Biological Control Research Department, Plant Protection Research Institute, Agricultural Research Centre, Giza, Egypt.

Skills: Control many economic insect pests using biological control & IPM program, work in many agriculture projects since 1990 – To date, mass rearing of many parasites, predators and Pathogens.

I got involved in many research projects including:

1. **Participation in the work of Project No. (384) entitled: "The importance of real predators such as spiders pests of field crops" and funded by the Fund to support research institute since 1994 until 1997. A Principal Investigator Dr. Amira A. Ibrahim, a professor of Biological Control, Biological Control Research Dept., Institute of Plant Protection Research.**
2. **Participation in the work of the project "Production and Quantitative Field application of entomopathogenic nematodes as biological control agents against fruit trees borer market" since 1996 from a surplus of food aid to Egypt and the French through the Egyptian Ministry of Agriculture. A Principal Investigator. Prof. Dr. Muhammad Shams El-Din Mustafa, Department of Animal and Zology agricultural Nematology- Faculty of Agriculture - Cairo University.**
3. **Participation in the work of the project "the use of the means of integrated pest control against the palm weevil - AIDS palm" and in this project was the use of entomopathogenic nematodes to insects as well as the means of biological control, such as some plant extracts and fungicides in an integrated manner to combat the red palm weevil has started this project in September of 1998 and extended to the year 2003 this project was funded from the sector of economic cooperation with the United States under the Ministry of International Cooperation.**

4. **Participation in the work of a project funded by the Academy of Scientific Research on the use of entomopathogenic nematodes in biological control of red palm weevil and the project began in 1999 and ended in 2000.**
5. **Participation in the work of the project the Egyptian-US Joint between Cairo University and Rutgers University New Jersey, USA and the use of genetic engineering as a means to improve the ability of entomopathogenic nematodes to insects on the drought tolerance. The project began in February 10, 1999 and for two years, funded by the projects of Science Technology and the American-Egyptian joint supervision of the Academy of Scientific Research and Technology.**
6. **Participation in the work of the local project "component activities" within the research team, of Biological Control Res., Dept., for the propagation of parasites and predators to control many insect pests.**

Membership of Scientific Journals:

1 - Member of the Journal of the Egyptian Society for Biological pest control - based: Faculty of Agriculture - Cairo University - Egypt.

2 - Member of the Egyptian Journal of Agricultural Research - based: ARC - Egypt.

3 - Member of the Syndicate of Scientific Professions since graduation and until 2012 the current

4 - Member of the Egyptian Society for wildlife - based: Kafr El Sheikh - Egypt.

5 - Member of the Journal of the Egyptian Society of Entomology - based: Cairo - Egypt.

6 - a member of the Arab Council of Universities - Headquarters: University of Cairo - Egypt.

7 - Member of the Association (Eugenal) Egyptian-French to adorn the gardens - based: France.

8 - Member of the Arab Society for Plant Protection - based: Syria.

9 - Member of the Journal of the Egyptian Society - German zoology - based: the University of Cairo - Egypt.

10 - Member within the research team for the component production and propagation of biocontrol organisms' loneliness of a special nature, Department of Biological Control Research - Institute of Plant Protection Research - ARC - Egypt.

List of publications:

Shairra, S. A. (2007). Effects of entomopathogenic nematodes and some pharmaceutical inhibitors of eicosanoid biosynthesis on the desert locust *Schistocerca gregaria*)Forskal(. Ph. D. Thesis, Fac. Sci., Cairo Univ., Egypt, 65 pp.

Shairra, S. A. (2000). Studies on the effects of some entomopathogenic nematode isolates on different host species. M.Sc. Thesis, Fac. Sci., Cairo Univ., Egypt, 108 pp.

1- **Shamseldean, M. M.; A. A. Ibrahim; N. M. Zohdi; S. A. Shairra and T. H. Ayaad (2008). Effect of the Egyptian entomopathogenic nematode isolates on controlling some economic insect pests. Egypt. J. Biol. Pest Control. 18(1), 81-89.**

2- **Ayaad T.H., N. M.Zohdi, S. A. Shairra and A. A. Ibrahim, 2008. Effects of entomopathogenic nematodes and some pharmaceutical inhibitors of eicosanoid biosynthesis on the desert locust *Shistocerca gregaria* (Forskal).J. Biol. Pet Control. 18(1): 105-118.**

3- **Shairra, S. A., (2009). Parasitizm of Locust by Entomopathogenic Nematode in Relation to Insect Microaggregation Inhibitor. Egypt, Acad. J. biolog. Sci., 2(2): 221-230.**

4- **Shairra, S. A., (2010). Improving the biological control of locust *Schistocerca gregaria* using cyclooxygenase inhibitor with the entomopathogenic nematode *Steinernema glaseri.* Bull. ent. Soc. Egypt, Econ. Ser., 36, 139-154.**

5 - Shairra, S. A. and Awad H. H., (2011). Insecticidal effects of the entomopathogenic nematode *Heterorhabditis bacteriophora* (Hp_{88}) and *Allium sativum* (garlic) extract in the immune challenge of the desert locust *Schistocerca gregaria* (Forskal). Egypt. J. Biol. Pest Control, 21: (1) 11-17.

6- El-Sahn O. M. N. and Shairra S. A., (2012). Efficiency of *Metarhizium anisopliae* var *acridum* and certain chemical compounds on garden snails, *Cornu aspersum* (= *Helix aspersa*). J. Egypt. Ger. Soc. Zool. Vol.(64E) : Entomology, 103- 111.

7- Ibrahim A. A. and Shairra S. A., (2011). Effect of eicosanoid biosynthesis inhibitors on the immune response of the cotton leafworm, Spodoptera littoralis (Boisd.) infected with the nematode, Steinernema glaseri (Rhabditida: Steinernematidae). Egypt. J. Biol. Pest Control. 21 (2): 197-202.

8- Ibrahim A. A.; S. A. Shairra and El-mahdi I. F. S. (2012). Studies on the occurrence of true spiders as natural enemies in many Egyptian fields. J. of Basic & Applied Zoology (65): 1–3.

9- Shairra, S. A. and El-Sahn O. M. N., (2012). Increasing efficacy of entomopathogenic nematodes used local liquid soap to control garden snails. J. Egypt. Ger. Soc. Zool. Vol. (64E): Entomology, 95- 102.

10- Shairra S. A. and, Nouh G. M. (2014). Efficacy of Entomopathogenic nematodes and Fungi as Biological Control agent against the cotton leafworm, *Spodoptera littoralis* (Boisd.) (Lepidoptera: Noctuidae). Egypt. J. Biol. Pest Control. 24 (1): 247-253.

11- Ahmed D. A., El-Sharkawy M. A. A., K. A. Hassan and Shairra S. A. (2014). Role of glycine in protecting pectinophora gossypiella (saund.) Against strong protein-denaturing activity of phenolic compounds in cotton plants. J. of Agri., Science - Mansoura Univ. DDC No. (630): 1053 – 1063.

12- Nouh G. M. and, Shairra S. A. (2015) Integration of entomopathogenic nematodes and fungi for controlling the cotton leaf worm, *Spodoptera littoralis* (Boise.) (Lepidoptera: Noctuidae). Egypt. J. Biol. Pest Control. 25 (1): 61-65.

13- Ibrahim, A.A.; A. A. El-Zoghby and Shairra S. A. (2003). True spiders in Egyptian fields. Annals of Agric. Sc., Moshtohor, 41(2): 981- 988.

14- Rashad M. M., El-Heneidy A. H., Djelouah K., N. Hassan and Shaira S. A. (2015). On the Pathogenicity of Entomopathogens to the Peach Fruit Fly, *Bacterocera zonata* (Saunders) (Diptera: Tephritidae). Egypt. J. Biol. Pest Control. 25 (3): 649-654.

15- Shairra S. A.; Dorrah M. A.; H. M. S. Hassan and Nabeel S. M. (2015). Increasing efficacy of the fungus, *Metarhizium anisopliae* on desert locust *Schistocerca gregaria* (Forskal) by adding some bio-products. Egypt. J. Biol. Pest Control. 25 (3):573-580.

16-Hassan H. A.; S. A. Shairra and Ibrahim S. S. (2016). Virulence of Entomopathogenic Nematodes *Steinernema glaseri* and *Heterorhabditis bacteriophora* Poinar (HP_{88} strain) Against the Black Cutworm, *Agrotis ipsilon*. Egypt. Acad. J. Biolog. Sci. (A. Entomology) Vol.9 (1): 33-48.