CURRICULUM VITAE

Dr. Elhosseny Elsayed Nowar

Personal information

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Date of birth:	**1st March, 1982**
Gender:	**Male**
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Education

Ph.D. (2007-2011)	**Ph.D. in Economic Entomology (apiculture). Thesis entitled with " Feeding technology of honeybee colonies and its effect on some worker's glands (*Apis mellifera* L. – Apidae – Hymenoptera).". Dissertation research including 15 post-graduate courses. A course in (German language) was studied.**
M.sc. (2003-2006)	**M.Sc. in Economic Entomology (apiculture). Thesis entitled with " Comprehensive study of pollen grains in honeybee Colonies (*Apis mellifera* L. – Apidae – Hymenoptera).". Including 12 post-graduate courses in addition to a course in (English language), another in (preparation and writing scientific research) and two special studies papers courses.**
B.Sc. (1998-2002)	**B.Sc. in Plant protection. Final grad was very good from Faculty of Agriculture, Benha branch- Zagazig University, Egypt.**

Professional Experience

• (From November 2022 till now)	Professor of Economic Entomology (apiculture), Plant protection Department, Faculty of Agriculture, Benha University, Egypt.
• (From 2017 to 2022)	Associate Professor of Economic Entomology (apiculture), Plant protection Department, Faculty of Agriculture, Benha University, Egypt.
• (From 2011 to 2017):	Lecturer of Economic Entomology (apiculture), Plant protection Department, Faculty of Agriculture, Benha University, Egypt.
• (From 2006 – 2011):	Associate Lecturer of Economic Entomology (apiculture), Plant protection Department, Faculty of Agriculture, Benha University, Egypt.
• (From 2002-2006):	Demonstrator of Economic Entomology (apiculture), Plant protection Department, Faculty of Agriculture, Benha Branch, Zagazig University, Egypt.

Professional Memberships

1. Member of the Egyptian society of Entomology.
2. Member of the Egyptian beekeeping association.
3. Member of Agriculture Chemistry & Environment Protection Society.
4. Member of Egyptian Society of Applied Plant Sciences.

Special units Memberships

- Supervisor of the Faculty of Agriculture - Benha University Apiary.
- Member of the unit of training beekeepers and bio-evaluation of honeybee products, Faculty of Agriculture - Benha University.
- Coordinator of the Agricultural Business Development Services (ABDS) Unit, established in accordance with the Cooperation Agreement between the Faculty of Agriculture Benha University and the International Labor Organization (ILO).

Conferences and Workshops

1. Attended the 6th Scientific Conference of the Association of Agricultural Chemistry and Environmental Protection under the title "Research Applications for Protecting the Environment and Agricultural Development", from 27-28th February 2013 at Ain Shams University.
2. Attending a workshop entitled "Data statistical analysis using SPSS program (statistical basic and practical application)", 31 March 2013, National Research Center - Giza - Egypt.
3. Attend the 7th scientific conference of the Association of Agricultural Chemistry and

Environmental Protection under the title "Agricultural and Environmental Research Developments for Sustainable Development", 5-6th March 2014 at Ain Shams University.

4. Attending the 12th Conference for Agricultural Development Research, 24-27th March 2014, Faculty of Agriculture, Ain Shams University, Egypt.
5. Attended a workshop entitled " future of magnetic agriculture in Egypt ", 30th April 2014, National Research Center - Giza - Egypt.
6. Attend the 1st annual scientific conference held on 18th May 2015 at the Faculty of Agriculture - Benha University.
7. Participation in the second phase of the "Results-Based Management" workshop, organized by the International Labor Organization (ILO) from 20-21 October 2015 at the Public Library of Egypt, Benha.
8. Training course entitled "Training of trainers of entrepreneurship of agricultural projects" organized by the International Labor Organization from 8 to 17 December 2015 at the Faculty of Agriculture, Benha University.
9. Training course under the title "Training of Trainers of Counseling and Career Guidance", which was organized by the Entrepreneurship Unit of the University during the period from 26 to 28 September 2016.
10. Attended a workshop entitled "Academy on Rural development: towards decent work for youth in the rural economy", 16-20 October 2016, Luxor, Egypt.
11. Attend a training course entitled "Development of scientific skills used in the teaching of agricultural biology" in the period (26-29th April) 2016, Faculty of Agriculture - University of Benha.
12. Attend a workshop entitled "Awareness of occupational safety and health", February 2016.
13. Attending a workshop entitled "The Egyptian Knowledge Bank towards a society that learns and innovates", 23rd November 2016, Faculty of Agriculture, Benha University.
14. Attending a conference to celebrate the Egyptian Beetle Day, 4th December 2016, at the Egyptian Bee Kingdom Association, Faculty of Agriculture, Ain Shams University.
15. Attendance of a seminar entitled "The Quest for Sustainable Employment for Youth: The Governorates of Kalyobiya and Menoufia" at Conrad Hotel in Cairo under the auspices of the Egyptian Center for Economic Studies and the International Labor Organization on 19th December 2016.
16. Attending a workshop entitled “Common methods for characterization of nanomaterials”. 5th July 2018, Naqaa Foundation for Scientific Research, Giza, Egypt.
17. Attending a Training course entitled "Transmission Electron microscope (TEM) ", 18th December 2018.
18. Attending a workshop entitled “By science it will be a paradise (Congress) “, 30th March 2019, Cairo, Egypt.
19. 19. Attending the annual conference of the Faculty of Agriculture at Mashtohor "sixth session" entitled “Climate change and its impact on the agricultural sector in light of the sustainable development goals, Egypt 2030”, 24 May 2022.

Language skills

- Familiar with the field of computer and good dealing with different types of operating programs

and dealing with software writing research and scientific messages (such as SPSS, MSTAT, ZOTERO and EndNote) and many of that software.

- English is read, spoken and written.

Teaching courses at undergraduate level

- General Entomology
- Insect taxonomy
- Horticulture insects
- Agric. Zoology
- Spraying and dusting machines
- Stored products pests
- Insect physiology
- Foundation pest control
- Biological control
- Beekeeping and silkworm rearing
- Pesticides
- Medical and veterinary insects

Teaching courses at post graduate level

- Insect biology (advanced)
- Insect Physiology (Advanced)
- Pests of stored materials
- Honeybee beekeeping and silkworms (advanced)
- Insect environment (Advanced)
- Insect classification (Advanced)
- Insect diseases (advanced)
- Insect parasites and predators
- Insect pollinators
- Honeybee diseases and pests
- Honeybee morphology and physiology
- Insects and their relationship to plant diseases
- Honeybee products
- Field crop insects of (advanced)
- Horticultural insects (advanced)

Information technology and communications

☒ Word Processing	ICTP, Benha University
☒ Using computers and managing files	ICTP, Benha University
☒ E-Spreadsheets	ICTP, Benha University
☒ M state analysis program	Fac. of Agric. Benha Univ.
☒ SPSS analysis program	National research center

Training attended / Technical skills acquired

☒ Scientific research methods	FLDP, Benha University, Egypt
☒ Effective teaching	FLDP, Benha University, Egypt
☒ Legal Aspects	FLDP, Benha University, Egypt
☒ Thinking skills	FLDP, Benha University, Egypt
☒ Ethics and Professional Ethics	FLDP, Benha University, Egypt
☒ Teacher preparation	Fac. of Education - Benha Univ., Egypt
☒ English course	Zagazig University, Egypt
☒ English course	Benha University, Egypt
☒ English Conversation course	AUC, Egypt

☒ **IELTS test** **British council, Egypt**

Training sessions in the quality of education

1) **Self-evaluation of higher education institutions. National Authority for Quality Assurance and Accreditation of Education, 23-24 December 2013, Egypt.**
2) **Strategic Planning of higher education institutions. National Authority for Quality Assurance and Accreditation of Education, 4-5 February 2014, Egypt.**
3) **External audit of higher education institutions. National Authority for Quality Assurance and Accreditation of Education, 11-12 February 2014, Egypt.**

Area of research

- **Honeybee feeding.**
- **Morphology and physiology of honeybee.**
- **Queen rearing.**
- **Honeybee pests and diseases.**
- **Economic entomology.**
- **Black soldier fly rearing.**

Supervising for Master and Doctoral theses in Economic Entomology entitled with

1) **Effect of some factors on honeybee activity in brood rearing and swarm production.**
2) **Study the effect of agricultural factors and the use of new and different compounds to control onion insect pests.**
3) **Advanced studies on honeybee (*Apis mellifera* L.) and its pests.**
4) **Efficacy of some conventional and non-conventional insecticides against *Pectinophora gossypiella.***
5) **Effect of some food additives on the royal jelly production in honeybee colonies.**
6) **Nontraditional Methods for Integrated Control of The Citrus Leaf Miner, *Phyllocnistis citrella* Stainton.**
7) **Ecological ang physiological studies on mosquito fauna in the new reclaimed area in Sharkia Governorate.**
8) **Physiological studies on the castes of honeybee colony (*Apis mellifera* L. – Apidae – Hymenoptera).**
9) **Studies on certain insect pest species infesting common bean, Phaseolus vulgaris L. and their control.**
10) **Physiological effects of pollen substitute feeding on the hemolymph of honeybee workers, hypopharyngeal gland and the productive characters of honeybee colonies.**

List of publications

1) **Nowar, E.E., Khattab, M.M., El-Lakwa F.A. and El-Berry, A.A. 2011.** Simulative feeding of honeybee colonies on brood rearing and hypopharyngeal gland in workers (*Apis mellifera* L.). Annals of Agric. Sci., Moshtohor, 49(3):225-236.
2) **Gazala, Naglaa, A. and Nowar, E.E. 2013.** Effect of Brewer's yeast and soya bean cake on brood rearing, pollen gathering and honey yield in honeybee colonies. Annals of Agric. Sci.,

Moshtohor, 51(3):285-291

3) **Gazala, Naglaa, A. and Nowar, E.E. 2014.** Survey of different pollen sources gathering by honeybee at Qunatir Al-khiria, Qaluobia governorate**.** J. Plant Prot. and Path., Mansoura Univ., 5 (6):755-771.

4) **Khattab, M.M. and Nowar, E.E. 2014.** The first records of the parasite zombie fly (*Apocephalus borealis* Brues) on honeybee, *Apis mellifera* in Egypt. International Journal of Agricultural Science and Research, 4(6):37-42.

5) **El-Hady, A. M., Nowar, E.E. and EL-Sheikh, M.F. 2015.** Evaluation of some essential oils for controlling varroa mites and their effects on brood rearing activity in honeybee colonies. Journal of Plant Protection and Pathology, Mansoura University, 6(1):235-243.

6) **Nowar, E.E. 2016.** Oriental hornet (*Vespa orientalis*) as AFB disease vector to honeybee (*Apis mellifera* L.) colonies. Middle East Journal of Applied Sciences, 6(4):934-940.

7) **Nowar, E.E. 2016.** Venom glands parameters, venom production and composition of honeybee *Apis mellifera* L. affected by substitute feeding. Middle East Journal of Agriculture Research, 5(4):596-603.

8) **El-Meihy, Rasha, M., Hassan, Eman, O. and Nowar, E.E. 2016.** Using *Paenibacillus larvae* bacteriophage as a biological agent for controlling American foulbrood disease in honeybee (*Apis mellifera* L.). Egypt. J. Virol., 13(1).

9) **Hanafy, A.R.I., Abd-Elzaher, Tahany, R., Nowar, E.E. and Hasan, Shimaa, M. 2016.** Effect of anatomical and phytochemical diversity of two onion cultivars on the infestation with onion thrips (Thysanoptera: Thripidae). Middle East Journal of Applied Sciences, 6(4):941-948

10) **Omar, R. E., Nowar, E.E., Khattab, M. M., El-Berry, A. A. and Abdel Salam, Eman, H. 2016.** Effect of thermal insulation and feeding treatments on early spring honey bee queen rearing. Annals of Agric. Sci., Moshtohor, 54(2):365-370.

11) **El-Masselati, H. S. I.; A. A. Hafez; F. F. Shalaby and Nowar E.E. 2017**. Using of Chrysoperla Carnea (Stephens) larvae as biological control agent against against Phyllocnistis citrella stainton. J. plant Prot. and Phath. Mansoura Univ. 8(7): 333-336.

12) **Nowar E.E.; Khattab M.M.; Omar R.E.; Mashaal Toka F. 2018**. Evaluation of some natural components for controlling Varroa mites in honeybee colonies. Middle East J Agric. Res. 7(2):264-268.

13) **Chen, J., Hou, D., Pang, W., Nowar, E.E., Tomberlin, J.K., Hu, R., Chen, H., Xie, J., Zhang, J., Yu, Z., Li, Q. 2019.** Effect of moisture content on greenhouse gas and NH3 emissions from pig manure converted by black soldier fly. Sci. Total Environ. 697, 133840.

14) **Pang, W.; Hou, D.; Chen, J.; Nowar, E.E.; Li, Z.; Hu, R.; Wang, S. 2020.** Reducing greenhouse gas emissions and enhancing carbon and nitrogen conversion in food wastes by the black soldier fly. J. Environ. Manag., 260, 110066.

15) **Pang, W.; Hou, D.; Nowar, E.E.; Chen, H.; Wang, S. 2020.** The influence on carbon, nitrogen recycling, and greenhouse gas emissions under different C/N ratios by black soldier fly. Environ. Sci. Pollut. Res., 27, 42767–42777.

16) **Zhang, X., Li, Z., Nowar, E. E., · Chen, J., Pang, W., Hou, D.; Hu, R.; Jiang, H.; Zhang, J.; Li, Q. 2021.** Effect of Batch Feeding Times on Greenhouse Gas and NH3 Emissions During Meat and Bone Meal Bioconversion by Black Soldier Fly Larvae. Waste and Biomass Valorization, 12:3889-3897.

17) **Amany R. Morsy, Olfat, A. Radwan and Nowar E.E. 2022.** Evaluation of acaricide toxicity to the parasitic mite (Varroa destructor), honeybee workers (Apis mellifera L.) and their residues in honey and beeswax. International Journal of Scientific Research and Sustainable Development, 5(2), 1-16.

18) **El Ghbawy I.A., Omar R.E., Khattab M.M. and Nowar E.E. 2022.** The novelty of Azolla pinnata as a promising alternative feed for honeybee Apis mellifera (L.). Egypt. Acad. J. Biolog. Sci. (A. Entomology), 15(2), 35-49.

19) **Elsayed A.O., Halawa M. Safaa, Khidr A.A. and Nowar E.E. 2022.** Genetic variation of *Pectinophora gossypiella* (Saunders) treated with some insecticides using polymerase chain reaction (PCR) technique. BJAS, 7 (4), 283-291.

20) **Mashal T. F., Omar R. E., Khattab M. .M. and Nowar E.E. 2023.** Physiological Impacts of Some Food Additives on Honeybee Workers (*Apis mellifera* L.). Egypt. Acad. J. Biolog. Sci. (A. Entomology), 16(3), 63-79.

21) **Hassan M. Shimaa, Tahany R. Abd-Elzaher, Hanafy A.R.I.1 and Nowar E.E. 2023.** Reducing the Population Density of Aphids and Leafminer Infesting Snap Bean Plant by Using Some Insecticides with Different Active Ingredients. Annals of Agric. Sci., Moshtohor, 61(2), 543-551.

22) **Hassan M. Shimaa, Tahany R. Abd-Elzaher, Hanafy A.R.I.1 and Nowar E.E. 2023.** Relationship between Phytochemical Composition of Five Snap Bean Varieties and Its Susceptibility to Aphid and Whitefly Infestation. Annals of Agric. Sci., Moshtohor, 61(2), 553-562.

23) **Mashal T. F., Omar R. E., Khattab M. .M. and Nowar E.E. 2023.** Determination of some Effects of Different Feeding Treatments on Honeybee Drones (*Apis mellifera* L.). Annals of Agric. Sci., Moshtohor, 61(2), 521-530.

Books:

Khattab, M. M. and Nowar, E. E. (2017). Beekeeping and bee products (biotechnology of bee products), The National Library and Documents Authority in Cairo. Deposit number: 2149/2017

Khattab, M. M. and Nowar, E. E. (2017). Honeybee feeding and the bioproduction of honey (scientific facts and applications, The National Library and Documents Authority in Cairo Deposit number: 2150/2017.

Khattab, M. M., Omar, R. E. and Nowar, E. E. (2017). Beekeeping and Sericulture (biotechnology

of bee products), The National Library and Documents Authority in Cairo Deposit number: 2212/2017.