



Mohamed Salah Khalil

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Date of birth: 25 / 11 / 1982

Nationality: Egyptian

Religion: Muslim

Marital Status: Single

Military Status: Exempted

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QUALIFICATIONS

- PhD. in Pesticides from Plant Protection Department, Faculty of Agriculture Saba Basha, Alexandria University under title :
"Evaluation of Some Management Practices against Root Knot Nematode in Tomato".

- Master degree in pesticides from Plant Protection Department, Faculty of Agriculture Saba - Basha, Alexandria University at 2009 under title: "**Influence of Nematicides and Certain Natural Products on the Infestation of Nematodes Attacking Tomato Plants (*Lycopersicon esculentum*, Mill)**".
- B.Sc. Of Agricultural science Dry land Farming Department, Faculty of Agriculture Saba-Basha, Alexandria University in 2004 with general grade (**very good with rank of honor**).

EDUCATIONAL SKILLS

- English language.
- Computer skills (Windows - Word -Excel - PowerPoint - information technology and use of the Internet)

POSITIONS

- (2014 till now): **Assistant Researcher** at Fungicides, Bactericides & Nematicides Department, Central Agricultural Pesticides Laboratory (CAPL), Agricultural Research Center (ARC), Alexandria, Egypt.
- (2013- 2014): **Agricultural Specialist**.
- (2006 -2013): **Agronomist**.

INTERESTING FIELDS

- Plant parasitic nematodes management.
- Classification of plant parasitic nematodes (some genera)

- Insects' management.
- Mass rearing of some insects.
- Stored product insects
- Plant disease management.
- Integrated pest management (IPM).
- Pesticides toxicology.
- Environmental pollution and pollutants "especially pesticides".
- Plant extracts against agricultural pests.
- Essential oils against pests.

WORK FIELDS

Management of plant parasitic nematodes with:-

- ☒ Chemical nematicides.
- ☒ Organic soil amendments (especially plant wastes).
- ☒ Plant extracts.
- ☒ Different micro-organisms.
- ☒ Essential oils.
- ☒ Bio-pesticides.
- ☒ Nano materials
- ☒ Pesticides residue
- ☒ Pesticides toxicology
- ☒ Integrated Pest Management

SCIENTIFIC EXPERIENCES

- Plant extracts with different equipment's.

- Bioassay and Toxicity studies of chemical and microbial pesticides against some insects.
- Plant Parasitic Nematodes (P.P.N) isolation and classification (some).
- Bioassay of chemical, biorational agents and natural compounds against root-knot nematodes.
- Evaluation of certain compounds and materials in open fields on different pests.
- Training courses in the new trends for integrated pest management (IPM).
- Participated in corn borers and cotton leaf worm rearing in laboratory at Plant Protection Department, Faculty of Agriculture Saba-Basha, Alexandria University.
- Participated in cotton leaf worm rearing in laboratory at Plant Protection institute, Alexandria.
- Reviewer in certain scientific Journals.

SELECTED PUBLICATIONS

1 - Research Articles.

- Abdelgalil, G. M., Abou-Elnasr, H. S., **Khalil, M. S.**, Abouhamer, M. S., Osman, A. M. and Abdallah, E. A. M. (2018). Molluscicidal toxicity of abamectin against *Eobania vermiculata* and *Theba pisana* and measurement of GABA-transaminase activity by HPLC. Journal of Biopesticides. 11(2):161-168. (India)
- Ibrahim, H. S., Radwan, M. A., Saad, A. S. A., Mesbah, H. A., and **Khalil, M. S.** (2018). Assessing the Potential of some Egyptian

plant species as soil amendments in *Meloidogyne incognita* management on tomato. Journal of Biopesticides. 11(2): 154-160. (India)

- Saad, A. S. A., M. A. Radwan, H. A. Mesbah, H. S. Ibrahim and **M. S. Khalil** (2017). Evaluation of some non-fumigant nematicides and the biocide avermectin for managing *Meloidogyne incognita* in tomatoes. Pakistan Journal of Nematology. 35 (1): 85-92. (Pakistan)
- **Khalil, M. S.** and M. E. I. Badawy (2012). Nematicidal activity of a biopolymer chitosan at different molecular weights against root-knot nematode, *Meloidogyne incognita*. Plant Protection Science, 48(4):170-178. (Czech Rep.)
- **Khalil, M. S.**; Anter Kenawy; Mohamed A. Ghorab and Esmail E. Mohammed (2012b). Impact of microbial agents on *Meloidogyne incognita* management and morphogenesis of tomato. J. Biopest., 5(1): 28-35. (India)
- **Khalil, M. S. H.**; A. F. G. Allam and A. S. T. Barakat (2012a). Nematicidal Activity of some biopesticide agents and microorganisms against root-knot nematode on tomato plants under greenhouse conditions. J. Plant Protec. Res, 52 (1): 47-52. (Poland)
- Saad, A. S. A.; M. A. Massoud; H. S. Ibrahim and **M. S. Khalil** (2012). Activity of nemathorin, natural product and bioproducts against root-knot nematodes on tomatoes. Archives of phytopathol. and plant prot., 45 (8): 955-962. (Germany)
- Saad, A. S. A.; M. A. Massoud; Ibrahim, H. S. and **M. S. Khalil** (2011). Management study for the root-knot nematodes,

Meloidogyne incognita on tomatoes using fosthiazate and Arbuscular Mycorrhiza Fungus. J. the Adva. Agri. Rese., 16 (1): 137-147. (Egypt)

- Saad, A. S. A.; M. A. Massoud; H. S. Ibrahim and **M. S. H. Khalil** (2010). Nematicidal effect of biological control agents and other chemical compounds on *Meloidogyne incognita* infesting tomato plants. Alex. Sci. Exc. J., 31 (3):240-247. (Egypt)

2 - Review Articles.

- Yahya, A., **Khalil, M. S.**, Ghorab M. A. (2018). Environmental Pollution by Heavy Metals in the Aquatic Ecosystems of Egypt. Open Acc J Toxicol., 3(1): 555603. DOI: 10.19080. (USA)
- **Khalil M.S.**, A.E. Mahmoud, M.A. Ghorab and E. Ebrahim (2017). The Parasitism of Root knot nematodes. A mini review. Int. J. Environ. Sci. Nat. Res., 5(3): 555664. (USA)
- **Khalil, M. S.** (2013). Abamectin and Azadirachtin as Eco-friendly and Promising Biorational Tools in Integrated Nematodes Management Programs. Journal of Plant Pathology and Microbiology, 4 (4): doi:10.4172/2157-7471.1000174. (USA)

3 - Editorials.

- Mohamed A. Ghorab and **Mohamed S. Khalil** (2015). Toxicological Effects of Organophosphates Pesticides. International Journal of Environmental Monitoring and Analysis. 3 (4): 218-220. (USA)
- **Khalil, M. S.** (2014). Fate of Pesticides in the Agricultural Environment. Biology and Medicine, 6(4): e117. doi: 10.4172/0974-8369.1000 e117. (USA)

4 - Books.

- Khalil M. S., A. Saad and M. Massoud (2012). Influence of nematicides and certain natural products on the infestation of nematodes attacking tomato plants (*Lycopersicon esculentum*, Mill). **Lambert Academic Publisher, Germany**, pp. 117.

5 - Book Chapters.

- Khalil M. S. (2016). Utilization of biomaterials as soil amendments and crop protection agents in integrated nematodes management. *In: Plant, Soil and Microbes - Vol. 1: Interactions and Implications in Crop Science*, Hakeem K.R., Akhtar M.S. and Abdullah S.N.A. (eds.), Springer international publishing, Chem, **Switzerland**, P. 203-224.

6 - Conference papers.

- Hamdy Omar, Hamza Samir, **Mohamed S. Khalil**, Mohamed A. Ghorab and Matthew J. Zwiernik (2016). Acute water column effects concentrations (LC50, LC90) for three commonly used insecticides, two neonicotinoids (acetamiprid and Imidacloprid), and a recently registered Phenylpyrazole (Fipronil), exposed to common commercially cultured shrimp (*Marsupenaeus japonicus*). (**poster presentation during the 55th Annual Meeting of the Society of Toxicology, March 13-17, 2016 at the Ernest N. Morial Convention Center in New Orleans, Louisiana, USA**).

SEMINARS

- 2018: Macrolides: The new generation of nematicides.
- 2018: Neem oil as a tool in phyto-nematodes management.
- 2017: Abamectin as a new nematicide.



- **2016:** Plant parasitic nematodes (the hidden enemy)
- **2015:** Fate of pesticides in agricultural environments.
- **2014:** Fate of pesticides in environment.
- **2013:** The Role of Organic Matters in protection from Pathogens.
- **2012:** Feeding mechanisms of ectoparasitic nematodes.
- **2007:** Biological control of plant parasitic nematodes.

PROJECTS

- **2014-2018:** Project Team Member, project # 581, "Management of Cotton leaf and Boll worms in Alexandria government, **Egypt**".
- **2015-2018:** Project Team Member, project # 725, "Evaluation the performance of nematicides to control nematodes' diseases of fruit trees (citrus & banana)" in El-Nobarya zone, Behaira government, **Egypt**.
- **2009-2010:** Project Team Member, project #600, "Production Strawberry Clean in the New Territories Lands in Alexandria and El-Behaira government, **Egypt**."
- **2008-2010:** Project Team Member , project #579, " Evaluation o f Insecticides efficacy in Vegetables against Pests of Family Legume in The Central of Agricultural Research, The Regional Station in Sabaheya, Alexandria, **Egypt**."
- **2008-2009:** Project Team Member , project #769, " Evaluation of New Insecticides efficacy in Vegetables against field crops insects and Pests in The Central of Agricultural Research, The Regional Station in Sabaheya, Alexandria, **Egypt**."

TRAININGS

- **2015:** new strategies to handling pesticides in Egypt and its influence on environmental systematic.
- **2015:** training on the fundamentals of Real Time PCR. National Institute of Oceanography & Fisheries (NIOF), Alexandria, **Egypt**.
- **2014:** Integrated management of vegetables pests. Plant protection institute, Alexandria, **Egypt**.
- **2014:** The safe and effective use of agricultural pesticide. Egyptian Agricultural Pesticides Committee & Syngenta Agro Co., kaha, Kaliobeya, **Egypt**.
- **2014:** Theoretical and practical training program entitled "Assessing chemical contaminant and analysis of biota on the environment ". National Institute of Oceanography & Fisheries (NIOF), as organizer and lecturer, Alexandria, **Egypt**.
- **2014:** Integrated pest management for the most important and expected diseases in different field crops and horticultural at Alexandria governorate. Plant protection institute, Alexandria, **Egypt**.
- **2013:** Modern trends to evaluate pesticides toxicity and residues in Central Agricultural Pesticides Laboratory, Alexandria, **Egypt**.
- **2012:** New Technologies in the field of nematodes diseases. Faculty of Agriculture, El-Fayoum University, El-Fayoum, **Egypt**.
- **2007:** Basic training for workers in pesticides fields. Faculty of Agriculture, Alexandria University, Alexandria, **Egypt**.

WORKSHOPS

- **2018:** Adverse effects of pesticides on professional workers (4/12/2018)
- **2018:** Plant extracts as pest control agents (28&29/10/2018).
- **2017:** Pesticides: the coming danger.
- **2016:** Food contamination (9/2016)
- **2016:** Management of documents information, Alexandria, Egypt (5/6/2016).
- **2015:** Cultivation, production and manufacturing of oyster mushrooms and its nutritional value. Plant Pathology Institute, Plant Protection Station, Alexandria, Egypt.
- **2015:** Food Safety & Nutrition interrelations. High Institution for Public Health, Alexandria, Egypt.
- **2015:** Nanotechnology and its biological applications. City of Scientific Research & Technological Applications, Alexandria, Egypt.
- **2015:** Chromatography and new techniques in food science. Faculty of Agriculture Saba Basha, Alexandria University, Alexandria, Egypt.
- **2015:** Detection of mycotoxins in food and feed. City of Scientific Research & Technological Applications, Alexandria, Egypt.
- **2014:** Data analysis and modeling using CoStat statistical software. City of Scientific Research & Technological Applications, Alexandria, Egypt.

CONFERENCES

- **2014:** Biovasion (New life science: the next decade). Bibliotheca Alexandrina, Alexandria, Egypt.
- **2012:** Biovasion (New life science: linking science to society). Bibliotheca Alexandrina, Alexandria, Egypt.

MEMBERSHIPS

- **2013 – 2015:** Editorial Board Member in Journal of Biology and Medicine, USA.
- **2014-2017:** Editorial Board Member in World Research Journal of Entomology and Nematology, India.
- **2014:** Member in Egyptian society of pesticides in Central Agricultural Pesticides Laboratory (CAPL), Cairo, Egypt.
- **2012 – 2016:** Editorial Board Member in Journal of Agricultural Science, Canada.

Thank you very much for giving me some of your precious time to read my C.V.

Best Regards

Mohamed Salah Khalil