

Full Publication list, 2022

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1) Research Articles

- **Khalil, M.S.**, Abd El-Aziz, M.H. & Selim, R.E.S. (2022). Physiological and morphological response of tomato plants to nano-chitosan used against bio-stress induced by root-knot nematode (*Meloidogyne incognita*) and Tobacco mosaic tobamovirus (TMV). Eur J Plant Pathol. <https://doi.org/10.1007/s10658-022-02516-8>
- **Khalil, M. S.** (2022). Nematicides in Egypt. Journal of Plant Science and Phytopathology. (Under publication)
- **Khalil, M. S.** (2021). The potential of milbemectin on the formation of galls and egg masses of *Meloidogyne javanica* on eggplants: Preliminary data. Pakistan journal of nematology.39 (2):106-110.
- Massoud, M. A., **Khalil, M. S.**, Shawer, R., El-bialy, M., Saad, A. (2021). Biological performance of certain bio-agents, fluopyram and fosthiazate against *Meloidogyne* spp. on guava trees (*Psidium guajava* L.). Alexandria Science Exchange Journal. 42(4): 789-797.
- Khamis, W. M. and **Khalil, M. S.** (2019). Comparative toxicity study of different acaricides in laboratory preluding for field efficacy assessment against *Tetranychus urticae* (Acari: Tetranychidae). Egyptian Journal of Plant Protection Research Institute. 2(4): 576-585.
- **Khalil, M. S.** and Alqadasi, A. A. A. (2019). Potential of non-fumigant nematicides at different formulations against

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- southern root-knot nematode (*Meloidogyne incognita*) on tomato plants. International Journal of Phytopathology. 8 (1): 23-28.
- Radwan, M.A., Saad, A.S.A., Mesbah, H.A., Ibrahim, H.S. and **Khalil, M.S.** (2019). Investigating the *in vitro* and *in vivo* nematicidal performance of structurally related macrolides against the root-knot nematode, *Meloidogyne incognita*. Hellenic Plant Protection Journal. 12 (1): 24-37.
 - Awad-Allah, S.F.A. and **Khalil, M.S.** (2019). Effects of vermicompost, vermicompost tea and a bacterial bioagent against *Meloidogyne incognita* on banana. Pakistan journal of Nematology. 37 (1): 25-33.
 - 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* *in vitro* and the estimation of GABA-Transaminase activity by HPLC. Journal of Biopesticides. 11(2):161-168.
 - 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.
 - **Khalil, M.S.** and S.S.I. Abd El-Naby (2018). The integration efficacy of formulated abamectin, *Bacillus thuringiensis* and *Bacillus subtilis* for managing *Meloidogyne incognita* (Kofoid and White) Chitwood on tomatoes. Journal of Biopesticides. 11(2):146-153.

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- El-Tanany, M.M., El-Shahaat, M.S. and **Khalil, M.S. (2018)**. Efficacy of three bio-pesticides and oxamyl against citrus nematode (*Tylenchulus semipenetrans*) and on productivity of Washington navel orange trees. Egyptian journal of Horticulture. 45 (2): 275-287
- Saad, A.S.A., Radwan, M.A., Mesbah, H.A., Ibrahim, H.S. and **Khalil, M.S. (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.
- **Khalil, M.S. (2013a)**. Nematicidal performance of two agrochemicals and Spinosad on the root-knot nematode population. Canadian journal of plant protection, 1(5): 177-181.
- **Khalil, M.S. (2013b)**. The potential of five eco-biorational products on the reproduction of root-knot nematode and plant growth. International journal of phytopathology, 2(2): 84-91.
- Saad, A.S.A., Massoud, M.A., Ibrahim, H.S. and **Khalil, M.S. (2012)**. Activity of nemathorin, natural product and bioproducts against root-knot nematodes on tomatoes. Archives of Phytopathology and Plant Protection, 45(8): 955-962.
- **Khalil, M.S.**; Allam, A.F.G. and Barakat, A.S.T. **(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.

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- **Khalil, M.S.**, Kenawy, A., Ghorab, M.A. and Mohammed, E.E. **(2012b)**. Impact of microbial agents on *Meloidogyne incognita* management and morphogenesis of tomato. Journal of Biopesticides. 5(1): 28-35.
- **Khalil, M.S. (2012)**. A comparison study with alternative Biorational agents to suppress the root-knot nematode populations and galls formation in tomato plants. Inter. J. Nematology. 22 (1/2): 112-116.
- **Khalil, M.S.** and Badawy, M.E.I. **(2012)**. Nematicidal activity of a biopolymer chitosan at different molecular weights against root-knot nematode, *Meloidogyne incognita*. Plant Protection Science, 48(4):170-178.
- Saad, A.S.A., Massoud, M.A., Ibrahim, H.S. and **Khalil, M.S. (2011)**. Management study for the root-knot nematodes, *Meloidogyne incognita* on tomatoes using fosthiazate and Arbuscular Mycorrhiza Fungus. J. Adva. Agri. Rese., 16 (1): 137-147.
- Ibrahim, H.S., Saad, A.S.A., Massoud, M.A. and **Khalil, M.S. (2010)**. Evaluation of certain agrochemical and biological agents against *Meloidogyne incognita* on tomatoes. Alex. Sci. Exc. J., 31 (1):10-17.
- Saad, A.S.A., Massoud, M.A., Ibrahim, H.S. and **Khalil, M.S. (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.

2) Review articles

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- Selim R.E. and **Khalil, M.S.** (2021). Strobilurins: New group of fungicides. Journal of Plant Science and Phytopathology. 5: 63-64
- **Khalil, M.S.** and Selim R.E. (2021). Fluorinated nematicides: Novel classes in the way. Journal of Plant Science and Phytopathology. 5: 14-16
- Abd El-Aziz, M. H. and **Khalil, M.S.** (2020). Antiviral and Antinematodal potentials of chitosan: Review. Journal of Plant Science and Phytopathology. 4: 55-59.
- **Khalil, M.S.** and Darwesh, D.M. (2019). Avermectins: The promising solution to control plant parasitic nematodes. Journal of plant science and phytopathology, 3(2): 81-85.
- Yahya, A., **Khalil, M.S.** and 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.
- **Khalil, M.S.** and Darwesh, D.M. (2018). Some integrated practices to manage root-knot nematodes on tomatoes: A Mini Review. Innovative Techniques in Agriculture. 3(2): 618-625.
- **Khalil, M.S.**, Mahmoud, A. E., Ghorab, M. A., Ebrahim, E. (2017). The Parasitism of Root-Knot Nematodes: A Mini review. International Journal of Environmental Sciences & Natural Resources, 5(3): 555664. DOI: 10.19080/ IJESNR. 2017.05.555664.
- **Khalil, M.S.**, Darwish, D.M. (2017). Soil Amendments the Alternative Approach in Modern Agriculture. Agricultural Research& Technology: Open Access Journal. 4(5): 555646. DOI: 10.19080/ARTOAJ.2017.04.555646.

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- Ghorab, M.A. and **Khalil, M.S. (2016)**. The effect of Pesticides pollution on our life and environment. Journal of pollution effects & control (A mini review). 4(2):159.doi:10.4172/23754397. 1000159.
- Ghorab, M.A. and **Khalil, M.S. (2015)**. Toxicological Effects of organophosphates Pesticides. International Journal of Environmental Monitoring and Analysis. 3 (4): 218-220.
- **Khalil, M.S. (2013b)**. 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.

3) Books and Book Chapters

- **Khalil, M.S.** and W. M. Khamis (**Available in 2022**). Novel Forecasting, Bio-Indicator, and Bio-Remediation for Pesticides Contamination in Soil. *In*: Pesticide Contamination in Freshwater and Soil Environs: Impacts, Threats, and Sustainable Remediation, Mehmood M.A., Hakeem K.R., Bhat, R.A. and Dar G. H. (eds.), **Apple Academic Press publishing**, 402 pp.
- **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, P203-224**.
- **Khalil, M.S.**, Saad, A. and Massoud, M. (**2012**). Influence of nematicides and certain natural products on the infestation of

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nematodes attacking tomato plants (*Lycopersicon esculentum*, Mill). Lambert Academic Publisher, Germany, Pp. 117.

4) Conference papers

- Ghorab, M. A., **M. S. Khalil**, J. L. Newsted, H. S. Aboelnasr, A. Abdelmoneim and M. J. Zwiernik (**2020**). Acute and Sub-chronic toxicity for three commonly used insecticides; neonicotinoids and phenylpyrazole fipronil, in Marine crustacean, the mysid, *Americamysis bahia*. [Poster presentation \(oral on line\) during the SETAC North America 41th Annual Meeting of the Society of Environmental Toxicology, November 15-19, 2020 at TEXAS, USA.](#)
- Ghorab, M.A., J.L. Newsted, A. Abdelmoneim, **M.S. Khalil** and M.J. Zwiernik (**2019**). Acute and chronic toxicity of systemic insecticides; neonicotinoids and phenylpyrazole, in embryonic and juvenile zebrafish (*Danio rerio*). [Poster presentation during the SETAC North America 40th Annual Meeting of the Society of Environmental Toxicology, November 3–7, 2019 at Toronto, Ontario, Canada.](#)
- Awad-Allah, S.F.A. and **Khalil, M.S.** (**2019**). Effects of vermicompost, vermicompost tea and a bacterial bioagent against *Meloidogyne incognita* on banana. [Poster presentation during the 1st conference of Agricultural Science for post graduate students, May 2, 2019 at Faculty of Agriculture \(Saba Basha\) - Alexandria University- Alexandria - Egypt.](#)
- Omar, H., Samir, H., **Khalil, M.S.**, Ghorab, M.A. and Zwiernik, M.J. (**2016**). Acute water column effects concentrations

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(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**.

5) Editorials

- **Khalil, M.S. (2014a).** Bright Future with Nematicidal Phytochemicals. *Biology and Medicine*, 6(1): e104. doi: 10.4172/0974-8369.1000e104.
- **Khalil, M.S. (2014b).** Unconventional Environmental Bio-Protection Agents to Control Phytoparasitic Nematodes. *Biology and Medicine*, 6(2):e109. doi: 10.4172/0974-369.1000e109.
- **Khalil, M.S. (2014c).** Fate of Pesticides in the Agricultural Environment. *Biology and Medicine*, 6(4): e117. doi:10.4172/0974-8369.1000 e117.
- **Khalil, M.S. (2013).** Alternative Approaches to Manage Plant Parasitic Nematodes. *Journal of Plant Pathology and Microbiology*, 4 (1): e105. doi:10.4172/2157-471.1000e105.