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Research Article

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Effect of Neem Oil-based Nano-emulsion Application on Nematodes Infestation and Soil Microbial Activity of Fig Seedlings

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Various chemical nematicides are currently used effectively in the control of plant parasitic nematodes, but unfortunately, they have adverse effects on humans (carcinogenic) and the environment. Neem oil is one of the safe and effective alternatives to nematicides in the soil. The effectiveness of repeated neem oil application in suppressing nematode infestation in f ...

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Role of Vermicompost and algae Extract in Improving Growth and Fruit Quality of Mango (Keitt)

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This research, spanning the 2021 and 2022 seasons, aimed to explore the impact of vermicomposting on the growth and productivity of Mango trees (cv. Keitt) cultivated in sandy soil at Ahmed Orabi Agricultural region, El-Obour City, Cairo Governorate, Egypt. The selected trees underwent various treatments, including water (control), vermicomposting at 1 or 2 Kg/tree, S ...

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Letter to Editor

Metabolomics Investigation of Airborne Pheromones in *Saussurea costus*

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Author(s): Amina Meliani* and Fatima Djadouni

The metabolomics approach as one of the important tools of Metabolomics has provided a powerful motivation for scientists to combine data generated from extracted compounds to create a more holistic understanding of pest management. Its application allows us to identify the entire profile of detectable metabolites contained in Essential oil anti-insects as an environm ...

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