



Curriculum vitae

Dr. Khalid Omairy Mohammed
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Education

Certificate	Specialization	Graduation year	University
B. Sc.	Agricultural Sciences/plant protection	2001	Mosul University / College of Agriculture and Forests / Iraq
M.Sc.	Plant production / biological control	2009	Al-Furat Al-Awsat Technical University / Technical College - Al-Musayyib
Ph.D.	Entomology/ Biological control	2020	Murdoch University/ School of veterinary and life science

Areas of Interest

1. Plant protection / Entomology- Biological control, Ecology, IPM.
2. Biology.

Professional Qualification/ Membership/ Affiliation

1. Registered as membership of Agricultural Engineers since 2001.

Appointment

1. Appoint as Faculty membership 2006.
2. Appoint as Lecturer since 2014.

Publications

Journals

1. Al-Omairy, K.O., 2013. EFFECT OF SOME PLANT SPECIES VOLATILE OILS IN SOME OF THE QUALITIES. *Iraqi Journal of Agricultural Sciences*, 44(3).

2. Al-Zubaidy, H., Al-Omairy, K. and Almehemdi, M., 2013. Effect of extracts of Caraway fruits in some biotic aspects of potato tuber moth. *The Iraqi Journal of Agricultural Science*, 44, pp.738-744.
3. Mohammed, K., Agarwal, M., Li, B., Newman, J., Liu, T. and Ren, Y., 2020. Evaluation of d-Limonene and β -Ocimene as Attractants of *Aphytis melinus* (Hymenoptera: Aphelinidae), a Parasitoid of *Aonidiella aurantii* (Hemiptera: Diaspididae) on Citrus spp. *Insects*, 11(1), p.44.
4. Mohammed, K., Agarwal, M., Du, X.B., Newman, J. and Ren, Y., 2019. Behavioural responses of the parasitoid *Aphytis melinus* to volatiles organic compounds (VOCs) from *Aonidiella aurantii* on its host fruit Tahitian lime fruit *Citrus latifolia*. *Biological Control*, 133, pp.103-109.
5. Mohammed, K., Agarwal, M., Newman, J. and Ren, Y., 2017. Optimization of headspace solid-phase microextraction conditions for the identification of volatiles compounds from the whole fruit of lemon, lime, mandarin and orange. *Journal of Biosciences and Medicines*, 5(3), pp.176-186.
6. Mohammed, K., Agarwal, M., Mewman, J. and Ren, Y., 2017. Optimization and Validation for Determination of VOCs from Lime Fruit *Citrus aurantifolia* (Christm.) with and without California Red Scale *Aonidiella aurantii* (Maskell) Infested by Using HS-SPME-GC-FID/MS. *International Journal of Bioengineering and Life Sciences*, 9(7), pp.771-775.
7. Mohammed, K., Karaca, I., Agarwal, M., Newman, J. and Ren, Y., 2020. Age-specific life tables of *Aonidiella aurantii* (Maskell)(Hemiptera: Diaspididae) and its parasitoid *Aphytis melinus* DeBach (Hymenoptera: Aphelinidae). *Turkish Journal of Agriculture and Forestry*, 44(2), pp.180-188.
8. Mohammed, K., Agarwal, M. and Ren, Y., 2021, July. D-limonene and β -oci-mene Attract *Aphytis melinus* to In-crease Parasitism of California Red Scale *Aonidiella aurantii* (Hemiptera: Aphididae) on Citrus. In *Proceed-ings of the 1st International Elec-tronic Conference on Entomology* (pp. 1-15). s Note: MDPI stays neu-tral with regard to jurisdictional claims in published maps and institu-tional affiliations..

Conference Proceedings

1. Mohammed, K., M. Agarwal, J. Mewman, and Y. Ren. The possibility of increasing attraction of *Aphytis melinus* onto California red scale. Citrus technical forum and field day in Mildura, South Australia, Australia on 1st -2 nd March 2017.
2. Mohammed, K., M. Agarwal, J. Mewman, and Y. Ren. Optimization and Validation for Determination of VOCs from Lime Fruit *Citrus aurantifolia* (Christm.) with and without California Red Scale *Aonidiella aurantii* (Maskell) Infested by Using HS-SPME-GCFID/MS. WASET – 19th International Conference on Entomology (ICE) in Paris, France on 19th -20th October 2017. XIV

3. Mohammed, K., M. Agarwal, J. Newman, and Y. Ren. The possibility of increasing attraction of *Aphytis melinus* onto California red scale. 1st Murdoch University annual research symposium in Western Australia, Australia on the 8th of November 2017.
4. Mohammed, K., M. Agarwal, J. Mewman, and Y. Ren. Age-specific life tables of the California red scale *Aonidiella aurantii* (Mask.) (Hemiptera: Diaspididae) and its Parasitoid *Aphytis melinus* DeBach (Hymenoptera: Aphelinidae). Citrus technical forum in Adelaide, South Australia, Australia on 6th -7 th March 2019.
5. Mohammed, K., M. Agarwal, J. Mewman, and Y. Ren. Behavioural response of the parasitoid *Aphytis melinus* DeBach to *Aonidiella aurantii*-induced volatile organic compounds (VOCs) from Tahitian lime fruit *Citrus latifolia* (Rutaceae). Citrus technical forum in Adelaide, South Australia, Australia on 6th -7 th March 2019.

Certificates of Appreciation

- a. Certificate of participation in the first scientific conference on plant protection - College of Agriculture and Forestry - University of Mosul - for the period from 29-30 November 2010.
- b. Certificate of participation in the Second International Conference of Plant Protection Sciences - College of Agriculture and Forestry - University of Mosul - for the period from 19 - 20 November - 2013.
- c. Certificate of participation in the fourth International Agricultural Conference / Faculty of Agriculture and Forestry - University of Mosul - for the period from 10 - 11/12/2023.