



السنة الدولية لصحة النبات 2020

قائمة بحوث آفات الأوراق في أشجار الحمضيات

آفات أشجار الحمضيات

قائمة الأوراق البحثية العربية المنشورة منذ عام 2015 مرتبة حسب عدد الاقتباسات حول ما يلي: من الحمضيات الأسود (*Toxoptera aurantii*), الحشرة القشرية الحمراء (*Chrysomphalus Ficus*), حشرة الحمضيات المحاربة (*Lepidosaphes beckii*), ذبابة الحمضيات السوداء (*Acaudaleyrodes*), ذبابة الحمضيات البيضاء (*Phyllocnistis citri*), ذبابة اوراق الحمضيات (*Dialeurodes citri*), حافرة او راق الحمضيات (*Diaphorina citrella*), من الحمضيات البني (*Toxoptera citricida*), بسيلا الحمضيات الآسيوية (*Panonychus citri*), بسيلا الحمضيات الأفريقية (*Trioza erytreae*), حلم الحمضيات الحمراء (*Aphis citri*), الذبابه البيضاء الصوفية (*Aleurothrixus floccosus*), من الحمضيات الأخضر (*Coccus hesperidum*), الحشرة القشرية البنية (*Eutetranychus orientalis*), البق الدقيق الأسترالي (*Icerya purchasi*), من الدرار الأخضر (*Myzus persicae*), قشرية الزيتون السوداء (*Saissetia oleae*), تقرح الحمضيات البكتيري (*Candidatus Liberibacter*), مرض إخضار الحمضيات (*Xanthomonas spp*), العند في الحمضيات (*Spiroplasma citri*), لفحة الحمضيات البكتيرية (*Pseudomonas syringae*), مرض مكنسة الساحرة على الليمون (*Phytoplasma Candidatus*), مرض جفاف الأفرع أو المالسيكو (*Thanatephorus cucumeris*), مرض تقع الأوراق (*Phoma tracheiphila*), العفن الأبيض (*Sclerotinia sclerotiorum*).

المصدر: Scopus

نوع الأوراق: Article & Review

1. Metabolic variations in different citrus rootstock cultivars associated with different responses to Huanglongbing

Albrecht, U., Fiehn, O., Bowman, K.D.

(2016) Plant Physiology and Biochemistry, 107, pp. 33-44.



2. The dual nature of trehalose in citrus canker disease: A virulence factor for *Xanthomonas citri* subsp. *citri* and a trigger for plant defence responses
Piazza, A., Zimaro, T., Garavaglia, B.S., Ficarra, F.A., Thomas, L., Marondedze, C., Feil, R., Lunn, J.E., Gehring, C., Ottado, J., Gottig, N.
(2015) Journal of Experimental Botany, 66 (9), pp. 2795-2811.

3. Diverse array of new viral sequences identified in worldwide populations of the Asian citrus psyllid (*Diaphorina citri*) using viral metagenomics
Nouri, S., Salem, N., Nigg, J.C., Falk, B.W.
(2016) Journal of Virology, 90 (5), pp. 2434-2445.

4. Key scale insects (Hemiptera: Coccoidea) of high economic importance in a mediterranean area: Host plants, bio-ecological characteristics, natural enemies and pest management strategies – a review
Mansour, R., Grissa-Lebdi, K., Suma, P., Mazzeo, G., Russo, A.
(2017) Plant Protection Science, 53 (1), pp. 1-14.

5. Metabolomic response to huanglongbing: Role of carboxylic compounds in *citrus sinensis* response to 'candidatus liberibacter asiaticus' and its vector, *diaphorina citri*
Killiny, N., Nehela, Y.
(2017) Molecular Plant-Microbe Interactions, 30 (8), pp. 666-678.

6. Metabolomic analyses of the haemolymph of the Asian citrus psyllid *Diaphorina citri*, the vector of huanglongbing
Killiny, N., Hijaz, F., El-Shesheny, I., Alfaress, S., Jones, S.E., Rogers, M.E.
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7. RNA interference of carboxyesterases causes nymph mortality in the Asian citrus psyllid, *Diaphorina citri*
Kishk, A., Anber, H.A.I., AbdEl-Raof, T.K., El-Sherbeni, A.-H.D., Hamed, S., Gowda, S., Killiny, N.
(2017) Archives of Insect Biochemistry and Physiology, 94 (3), art. no. e21377, .
8. Invasive mutualisms between a plant pathogen and insect vectors in the middle East and Brazil
Queiroz, R.B., Donkersley, P., Silva, F.N., Al-Mahmmoli, I.H., Al-Sadi, A.M., Carvalho, C.M., Elliot, S.L.
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9. Production and identification of iturin A lipopeptide from *Bacillus methyltrophicus* TEB1 for control of *Phoma tracheiphila*
Kalai-Grami, L., Karkouch, I., Naili, O., Slimene, I.B., Elkahoui, S., Zekri, R.B., Touati, I., Mnari-Hattab, M., Hajlaoui, M.R., Limam, F.
(2016) Journal of basic microbiology, 56 (8), pp. 864-871.
10. Impact of different temperatures on survival and energy metabolism in the Asian citrus psyllid, *Diaphorina citri* Kuwayama
El-Shesheny, I., Hijaz, F., El-Hawary, I., Mesbah, I., Killiny, N.
(2016) Comparative Biochemistry and Physiology -Part A : Molecular and Integrative Physiology, 192, pp. 28-37.
11. Citrus phytohormonal response to *Candidatus Liberibacter asiaticus* and its vector *Diaphorina citri*
Nehela, Y., Hijaz, F., Elzaawely, A.A., El-Zahaby, H.M., Killiny, N.
(2018) Physiological and Molecular Plant Pathology, 102, pp. 24-35.



12. [RNA interference of acetylcholinesterase in the Asian citrus psyllid, *Diaphorina citri*, increases its susceptibility to carbamate and organophosphate insecticides](#)

Kishk, A., Hijaz, F., Anber, H.A.I., AbdEl-Raof, T.K., El-Sherbeni, A.-H.D., Hamed, S., Killiny, N.

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13. [One target, two mechanisms: The impact of 'candidatus liberibacter asiaticus' and its vector, *diaphorina citri*, on citrus leaf pigments](#)

Killiny, N., Nehela, Y.

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14. [Development and morphological changes in leaves and branches of acid lime \(*Citrus aurantifolia*\) affected by witches' broom](#)

Al-Yahyai, R.A., Al-Sadi, A.M., Al-Said, F.A.-J., Alkalbani, Z.H., Carvalho, C.M., Elliot, S.L., Bertaccini, A.

(2015) Phytopathologia Mediterranea, 54 (1), pp. 133-139.

15. [Insecticidal effect of *Mentha pulegium* L. and *Mentha suaveolens* Ehrh. hydrosols against a pest of citrus, *Toxoptera aurantii* \(Aphididae\)](#)

Zekri, N., Handaq, N., El Caidi, A., Zair, T., Alaoui El Belghiti, M.

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16. [Inhibition of *Fusarium culmorum*, *Penicillium chrysogenum* and *Rhizoctonia solani* by n-hexane extracts of three plant species as a wood-treated oil fungicide](#)

Salem, M.Z.M., Behiry, S.I., EL-Hefny, M.

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17. [Enhanced resistance to citrus canker in transgenic mandarin expressing Xa21 from rice](#)

Omar, A.A., Murata, M.M., El-Shamy, H.A., Graham, J.H., Grosser, J.W.
(2018) Transgenic Research, 27 (2), pp. 179-191.

18. [Antifungal, antibacterial, and antioxidant activities of Acacia saligna \(Labill.\) H. L. Wendl. Flower extract: HPLC analysis of phenolic and flavonoid compounds](#)

Al-Huqail, A.A., Behiry, S.I., Salem, M.Z.M., Ali, H.M., Siddiqui, M.H., Salem, A.Z.M.

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19. ['Candidatus Liberibacter solanacearum' haplotypes D and E in carrot plants and seeds in Tunisia](#)

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20. [Aphidicidal activities of Melaleuca styphelioides Sm. essential oils on three citrus aphids: Aphis gossypii Glover; Aphis spiraecola Patch and Myzus persicae \(Sulzer\)](#)

Albouchi, F., Ghazouani, N., Souissi, R., Abderrabba, M., Boukhris-Bouhachem, S.

(2018) South African Journal of Botany, 117, pp. 149-154.

21. [Population dynamics of aphids \(Aphididae\) on orange \(*Citrus sinensis* 'Thomson navel'\) and Mandarin \(*citrus reticulata* 'Blanco'\)](#)

Lebbal, S., Laamari, M.

(2016) Acta Agriculturae Slovenica, 107 (1), pp. 137-145.



22. [Xanthomonas citri jumbo phage XacN1 exhibits a wide host range and high complement of tRNA genes](#)
Yoshikawa, G., Askora, A., Blanc-Mathieu, R., Kawasaki, T., Li, Y., Nakano, M., Ogata, H., Yamada, T.
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23. [Phenotypic and genetic characterization of *Pseudomonas syringae* strains associated with the recent citrus bacterial blast and bacterial black pit epidemics in Tunisia](#)
Abdellatif, E., Kałużna, M., Janse, J.D., Sobczewski, P., Helali, F., Lamichhane, J.R., Rhouma, A.
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24. [The effects of prestarvation diet on starvation tolerance of the predatory mite *Neoseiulus californicus* \(Acari: Phytoseiidae\)](#)
Ghazy, N.A., Osakabe, M., Aboshi, T., Mori, N., Amano, H.
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25. ['Candidatus Liberibacter asiaticus' and Its Vector, *Diaphorina citri*, Augment the Tricarboxylic Acid Cycle of Their Host via the g-Aminobutyric Acid Shunt and Polyamines Pathway](#)
Nehela, Y., Killiny, N.
(2019) *Molecular Plant-Microbe Interactions*, 32 (4), pp. 413-427.
26. [Biological, environmental and socioeconomic threats to citrus lime production](#)
Donkersley, P., Silva, F.W.S., Carvalho, C.M., Al-Sadi, A.M., Elliot, S.L.
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27. [Production of three new grapefruit cybrids with potential for improved citrus canker resistance](#)
Omar, A.A., Murata, M., Yu, Q., Gmitter, F.G., Jr., Chase, C.D., Graham, J.H., Grosser, J.W.
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Ibrahim, Y.E., Saleh, A.A., Al-Saleh, M.A.
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29. [Spatial and temporal spread of Citrus tristeza virus and its aphid vectors in the North western area of Morocco](#)
Elhaddad, A., ElAmrani, A., Fereres, A., Moreno, A.
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30. [Complete genome sequence of Diaphorina citri-associated C virus, a novel putative RNA virus of the Asian Citrus Psyllid, Diaphorina citri](#)
Nouri, S., Salem, N., Falk, B.W.
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31. [Study of catechin, epicatechin and their enantiomers during the progression of witches' broom disease in Mexican lime \(Citrus aurantifolia\)](#)
Mollayi, S., Farzaneh, M., Ghanati, F., Aboul-Enein, H.Y., GhassemPour, A.
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32. [Laboratory evaluation of the effect of the entomopathogenic fungi, hirsutella thompsonii and paecilomyces fumosoroseus, against the citrus brown mite, eutetranychus orientalis \(Acari: Tetranychidae\)](#)
El-Sharabasy, H.M.
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33. [Expression of phytoplasma-induced witches' broom disease symptoms in acid lime \(*Citrus aurantifolia*\) trees is affected by climatic conditions](#)

Al-Ghaithi, A.G., Al-Sadi, A.M., Al-Hammadi, M.S., Al-Shariqi, R.M., Al-Yahyai, R.A., Al-Mahmooli, I.H., Carvalho, C.M., Elliot, S.L., Hogenhout, S.A. (2017) Plant Pathology, 66 (8), pp. 1380-1388.

34. [Evaluation of eco-friendly lemon oil against the green peach aphid *myzus persicae sulzer* \(homoptera: Aphididae\) using four solvents](#)

Al-Antary, T.M., Belghasem, I.H., Araji, S.E.A. (2017) Fresenius Environmental Bulletin, 25 (12), pp. 8298-8303.

35. [Behavioural responses of the parasitoid *Aphytis melinus* to volatiles organic compounds \(VOCs\) from *Aonidiella aurantii* on its host fruit Tahitian lime fruit *Citrus latifolia*](#)

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36. [Host-associated genetic differentiation of the green citrus aphid, *aphis spiraecola* \(Hemiptera: Aphididae\) in Algeria](#)

Lebbal, S., Mezghani-Khemakhem, M., Bouallegue, M., BenAmara, W., Khalfallah, Y., Makni, M., Bouktila, D. (2019) Journal of the Entomological Research Society, 21 (1), pp. 115-127.

37. [Novel plastid-nuclear genome combinations enhance resistance to citrus canker in cybrid grapefruit](#)

Murata, M.M., Omar, A.A., Mou, Z., Chase, C.D., Grosser, J.W., Graham, J.H. (2019) Frontiers in Plant Science, 9, art. no. 1858, .



38. [Importance of remotely-sensed vegetation variables for predicting the spatial distribution of African Citrus Triozid \(*Trioza erytreae*\) in Kenya](#)
Richard, K., Abdel-Rahman, E.M., Mohamed, S.A., Ekesi, S., Borgemeister, C., Landmann, T.
(2018) ISPRS International Journal of Geo-Information, 7 (11), art. no. 429, .
39. [Selection of reference genes for quantitative PCR analysis in *Citrus aurantifolia* during phytoplasma infection](#)
Alves, M.S., Al-Sadi, A.M., Carvalho, C.M.
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40. [An assessment of population fluctuations of citrus pest woolly whitefly *Aleurothrixus floccosus* \(Maskell, 1896\) \(Homoptera, Aleyrodidae\) and its parasitoid *Cales noacki* Howard, 1907 \(Hymenoptera, Aphelinidae\): A case study from Northwestern Algeria](#)
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41. [Natural occurrence of secondary bacterial symbionts in aphids from Tunisia, with a focus on genus *hyalopterus*](#)
Zouari, S., Halima, M.K.B., Reyes-Prieto, M., Latorre, A., Gil, R.
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42. [Dynamic integration and excision of filamentous phage XacF1 in *Xanthomonas citri* pv. *citri*, the causative agent of citrus canker disease](#)
Ahmad, A.A., Kawabe, M., Askora, A., Kawasaki, T., Fujie, M., Yamada, T.
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43. Comparative proteomic analysis between fifth-instar nymphs and adults of Asian citrus psyllid *Diaphorina citri*

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44. Daily consumption and predation rate of different stethorus gilvifrons (Mulsant) (Coleoptera: Coccinellidae) stages on panonychus citri (Mcgregor) (Acari: Tetranychidae)

Barbar, Z., Kerhili, S., Aslan, L.H.
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45. A field study investigating the insecticidal efficacy against *Diaphorina citri* Kuwayama on Kinnow mandarin, *Citrus reticulata* Blanco trees

Iqbal, J., Nazeer Hussain, H., Latif, M., Barjees Baig, M., Owayss, A.A., Raweh, H.S., Alqarni, A.S.
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46. Evaluation of D-Limonene and β-Ocimene as attractants of aphytis melinus (Hymenoptera: Aphelinidae), a parasitoid of aonidiella aurantii (hemiptera: Diaspididae) on Citrus spp.

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Killiny, N., Gonzalez-Blanco, P., Santos-Ortega, Y., Al-Rimawi, F., Levy, A., Hijaz, F., Albrecht, U., Batuman, O.
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Ibrahim, Y.E., El Komy, M.H., Amer, M.A., Widyawan, A., Al-Saleh, M.A., Saleh, A.A.
(2019) Journal of Plant Pathology, 101 (4), pp. 927-933.

50. [Safe Control Methods of Eutetranychus orientalis \(Klein\) Infested Navel Orange Trees at Menoufia Governorate, Egypt](#)

Heikal, H.M., Abo-Taka, S.M., Walash, E.M.
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51. [Temporal Changes in the Aphid-Natural Enemy Complex in Tunisian Citrus over Two Decades](#)

Behi, F., Souissi, R., Boukhris-Bouhachem, S.
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52. [First molecular identification and characterization of *Spiroplasma citri*, the causal agent of citrus stubborn disease in Algerian citrus groves](#)

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Al-Subhi, A.M., Al-Yahyai, R.A., Al-Sadi, A.M.
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54. [An assessment of population fluctuations of a hemipteran citrus pest in the northeast of Algeria: A case study from Guelma region](#)

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55. [Biological activity of some native Bacillus Thuringiensis berliner strains against Eutetranychus Orientalis klein \(Acari: Tetranychidae\)](#)

Alahyane, H., El Alao, A., Abousaid, H., Aimrane, A., Atibi, Y., Oufdou, K., El Messous, S.

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56. [Witch's Broom Disease of Lime \(*Candidatus Phytoplasma aurantifolia*\): Identifying High-Risk Areas by Climatic Mapping](#)

Donkersley, P., Blanford, J.M., Queiroz, R.B., Silva, F.W.S., Carvalho, C.M., Al-Sadi, A.M., Elliot, S.L.

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57. [Fluctuations of aphid populations on grapefruit \(*Citrus x paradisi* Macfad.\)](#)

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58. [Differential expression and phytohormone unbalance in Citrus aurantifolia plants during “sudden decline of lime”, a new phytoplasma disease of citrus](#)

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59. Characterization of Huanglongbing disease associated with acid lime (*Citrus aurantifolia* Swingle) in Oman
Al Fahdi, A., Al-Mamari, A., Shahid, M.S., Maharachchikumbura, S.S.N., Carvalho, C.M., Elliot, S.L., Al-Sadi, A.M.
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60. Distribution behavior of *Parlatoria pergandii* Comstock, *Aonidiella aurantii* Maskell and *Crysamphalus dictyospermi* Morgan (Hemiptera: Diaspididae) on the canopy of citrus trees
Haddad, N., Ali-Ahmed, S.D.
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61. Effectiveness of four insecticides to control citrus leafminer (*Phyllocnistis citrella* Stainton) (Lepidoptera: Gracillaridae) on orange trees at River Nile State, Sudan [تقييم بعض المبيدات الحشرية المختمفة لمكافحة صانعة أنيق أو رق الموالح في البرتقال في ولاية نير النيل، السودان]
Ali, A.E., Ali, A.E.
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62. Capacity assessment of *Myzus persicae*, *Aphis gossypii* and *Aphis spiraecola* (Hemiptera: Aphididae) to acquire and retain PVYNTN in Tunisia
Boukhris-Bouhachem, S., Ben Fekih, I., Nahdi, S., Souissi, R.
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63. Induction of systemic resistance of eggplant against *sclerotinia sclerotiorum* infection using biochar and bio-health
Hassan, A.K.
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64. Host plants and distribution of some whiteflies species (Hemiptera, Aleyrodidae) in the middle of Iraq
Al-Mallo, I.M., Abdul-Rassoul, M.S.
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Basheer, A.M., Asslan, L., Saleh, A., Diab, N., Mohamed, E.
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Mogahed, M.I., Abdelmaksoud, N.M.
(2016) International Journal of ChemTech Research, 9 (6), pp. 23-30.
67. Integration of Pseudomonas fluorescens and salicylic acid improves citrus canker disease management caused by Xanthomonas citri subsp citri-A*
Al-Saleh, M.A., Saleh, A.A., Ibrahim, Y.E.
(2015) Archives of Phytopathology and Plant Protection, 48 (17-20), pp. 863-872.
68. Temporal variations in the life-cycles of aphids (Sternorrhyncha: Aphididae) and their coccinellid predators
Aroun, M.F., Doumandji-Mitiche, B., Petit, D., Djazouli, Z.-E.
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