

CONTENTS

Number 17

Articles

- The influences of plant resistance on predation rate of *Anthocoris nemoralis* (Fabricius) on *Cacopsylla pyricola* (Förster)
Mohammad Saeid Emami, Parviz Shishehbor and Javad Karimzadeh 2043
- Effectiveness determination of wheat genotypes and *Stb* resistance genes against Iranian *Mycosphaerella graminicola* isolates
Ali Hosseinnzhad, Manoochehr Khodarahmi, Saeed Rezaee, Rahim Mehrabi and Ramin Roohparvar 2051
- Detection of *Grapevine fanleaf virus* by immunocapture reverse transcription-polymerase chain reaction (IC-RT-PCR) with recombinant antibody
Davoud Koolivand, Nemat Sokhandan-Bashir, Seyed Ali Akbar Behjatnia and Razi Allah Jafari Joozani 2070
- Cellulase activity of some phytopathogenic fungi isolated from diseased leaves of broad bean
A.H.M. El-Said, A. Saleem, T.A. Maghraby and M.A. Hussein 2078
- Baseline toxicity of chloronicotinyls against cotton leafhopper, *Amrasca biguttula biguttula*, and detection of insecticide resistance
G. Preetha, Johnson Stanley, T. Manoharan and S. Kuttalam 2095
- Assessment of the effect of biosurfactant produced by *Pseudomonas aeruginosa* in lethality of *Bacillus thuringiensis* Berl. against 3rd instars larvae of white cabbage butterfly (*Pieris brassicae* L.)
Morteza Abbasi, Mahmoud Rezazad Bari, Shahram Aramideh, Nasrin Veghar Mousavi and Mohammad Ghayyomi 2106
- Comparison of susceptibility of two populations of *Tetranychus urticae* Koch to two acaricides, abamectin and propargite
Mozhgan Mohammadzadeh, Ali R. Bandani and Qodratollah Sabahi 2112
- Management of post-harvest fruit spoilage fungi by some potential spice extracts
Sintayehu Birhanu, Mohd Sayeed Akhtar and Diriba Muleta 2124
- Aspergillus flavus* infection and aflatoxin contamination in sorghum seeds and their biological management
Shetty Thimmappa Divakara, Mohammed Aiyaz, Puttaswamy Hariprasad, Siddaiah Chandra Nayaka and Siddapura Ramachandrappa Niranjana 2141

Number 18

Articles

- Parasitoids as a bioagent to eliminate the insecticides to control the main pests-infested economic crops
Shaaban Abd-Rabou 2157
- Research article
- Assessment of potential antagonists for anthracnose (*Colletotrichum gloeosporioides*) disease of mango (*Mangifera indica* L.) in North Western Ethiopia (Pawe)
Wondu Admasu, Samuel Sahile and Mulugeta Kibret 2176

A review on digestive TAG-lipases of insects <i>Arash Zibaei, Zeynab Alborzi and Hassan Hoda</i>	2187
Chemical control of potato common scab disease under field conditions <i>Mohamed Hosny, Kamal A.M. Abo-Elyousr, Mahmoud R. Asran and Farag A. Saeed</i>	2193
Induction of total phenolics and defence-related enzymes during β -aminobutyric acid-induced resistance in <i>Brassica carinata</i> against <i>Alternaria</i> blight <i>Vinodkumar Chavan and Avinash Kamble</i>	2200
Field assessment of insecticidal efficacy of some plant aqueous extracts in reducing cowpea pod-sucking bug <i>Acanthomia tomentosicollis</i> Stål (Hemiptera: Coreidae) infestation and damage <i>Jacobs Mobolade Adesina</i>	2213
Biological control of phytopathogenic bacteria <i>Pantoea agglomerans</i> and <i>Erwinia chrysanthemi</i> using 100 essential oils <i>Kiran S. Chudasama and Vrinda S. Thaker</i>	2221
Population dynamics of the citrus nematode, <i>Tylenchulus semipenetrans</i> , on navel orange as affected by some plant residues, an organic manure and a biocide <i>A.W. Amin and M.M.A. Youssef</i>	2233
Different concentrations of <i>Melia azedarach</i> L. (Meliaceae) ethanolic extract on the developmental time and egg laying of <i>Tetranychus urticae</i> Koch <i>Mahla Ashrafju, Kamal Ahmadi and Hadi Hamidi</i>	2242
Biopotential of <i>Fleuggea leucopyrus</i> (Koen.) Willd. against <i>Helicoverpa armigera</i> (Hübner) (Lepidoptera: Noctuidae) <i>Chelliah Muthu, Kathirvelu Baskar and Savarimuthu Ignacimuthu</i>	2248
Research article	
Occurrence of crown gall disease on <i>Ficus benjamina</i> in Fars and Isfahan provinces of Iran <i>Milad Aeini, Hossein Mirzaee, Seyed Mohsen Taghavi, Gholam Reza Khodakaramian and Mehdi Amiri Mazhar</i>	2257
Races of <i>Xanthomonas citri</i> subsp. <i>malvacearum</i> , the causal organism of bacterial blight of cotton in northern Nigeria <i>I.J. Ajene, K.C. Shenge and A.D. Akpa</i>	2263
Influence of the colour and height of sticky traps in attraction of <i>Thrips tabaci</i> (Lindeman) (Thysanoptera, Thripidae) and predatory thrips of family Aeolothripidae on garlic, onion and tomato crops <i>G.H. Gharekhani, S. Ghorbansyahi, M. Saber and M. Bagheri</i>	2270
Influence of eggs, juveniles and cysts as types of inocula on viability, infectivity and virulence of <i>Heterodera zae</i> on corn in Egypt <i>Ahmed El-Sayed Ismail and Abbas Mohamed Kheir</i>	2276
Growth promotion activity and biological control for the management of leaf blight incited by <i>Alternaria helianthi</i> <i>P. Ahila Devi, S. Mohan and J. Rajalakshmi</i>	2280
Number 19	
Articles	
The rare genus <i>Apratylenchoides</i> Sher, 1973 (Nematoda: Pratylenchidae) from faba bean in Iran <i>Sedighe Azimi, Esmat Mahdikhani-Moghadam, Hamid Rouhani and Hamid Rajabi Memari</i>	2288
Management of jute yellow mosaic virus disease through cultural practices <i>A.U. Mahmud, A.K.M.A. Hoque, Md. Rejwan Bhuiyan, Mohammad Ashik Iqbal Khan, M.E. Kabir, Asif Mahmud, Md. Ashrafuzzaman and Md. Ayub Ali</i>	2295

- Combined effect of chemical fertilisers and rhizosphere-competent *Bacillus subtilis* BSK17 on yield of *Cicer arietinum*
R.C. Dubey, Satyajeet Khare, Pankaj Kumar and D.K. Maheshwari 2305
- Growth promotion effect of *Fusarium* spp. PPF1 from bermudagrass (*Cynodon dactylon*) rhizosphere on Indian spinach (*Basella alba*) seedlings are linked to root colonisation
Shaikhul Islam, Abdul Mannan Akanda, Ananya Prova, Farjana Sultana and Md. Motaher Hossain 2319
- Control of flea beetles *Podagrica* spp. (Coleoptera: Chrysomelidae) infestation on okra (*Abelmoschus esculentus* (L.) Moench) using *Piper guineense* seed extracts
Adesina Jacobs Mobolade, Idoko Joy Ejemen, Jose Adeolu Rufus and Eleduma Ajayi Festus 2332
- The rice root nematode, *Hirschmanniella oryzae*, its identification, economic importance and control measures in Egypt: a review
M.M.A. Youssef and M.F.M. Eissa 2340
- Phylotype classification of *Ralstonia solanacearum* biovar 1 strains isolated from banana (*Musa* spp) in Malaysia
Dzarifah Zulperi, Kamaruzaman Sijam, Zainal Abidin Mior Ahmad, Yahya Awang and Erneeza Mohd Hata 2352
- Management of *Sitotroga cerealella* in stored cereal grains: a review
S. Bushra and M. Aslam 2365
- Host specificity, pathogenicity and the presence of virulence genes in Iranian strains of *Pseudomonas syringae* pv. *syringae* from different hosts
Rasool Rezaei and S. Mohsen Taghavi 2377
- Relative influences of plant type and parasitoid initial density on host–parasitoid relationships in a tritrophic system
Massoud Heidary and Javad Karimzadeh 2392
- Induction of defence response against blister blight by calcium chloride in tea
Swarnendu Chandra, Nilanjan Chakraborty, Amrita Chakraborty, Ripen Rai, Biswajit Bera and Krishnendu Acharya 2400
- Inhibitory effect of essential oils of *Eucalyptus* sp. and *Zataria multiflora* on fungal growth of *Macrophomina phaseolina*
F. Ghorbani, N. Panjehkeh, S. Nasrollanejad, M. Salari and S.K. Sabagh 2410
- Number 20**
- Articles**
- The protective material effect in combination with *Bacillus thuringiensis* var. *kurstaki* (Btk) against UV for control *Pieris brassicae* L. (Lep.: Pieridae)
Elmira Moxtarnejad, Mohammad Hassan Safaralizade and Shahram Aramideh 2414
- In vitro* assessment of fungicidal activity of *Ageratum conyzoides* and *Cybopogon flexuosus* weed extracts against some phytopathogenic fungi associated with fruit rot of water melon (*Citrullus lunatus* (Thunb.))
O.A. Ojo, S.O. Oladipo and K.A. Odelade 2421
- Application of nano-glucan to turmeric rhizome induce defence response against *Pythium aphanidermatum*
Sathiyarayanan Anusuya and Muthukrishnan Sathiyabama 2429
- Olfactory response of predatory mite *Phytoseiulus persimilis* to synthetic methyl salicylate
Somaye Khosravi Shastani, Mahdi Ziaaddini, Malihe Latifi and Azadeh Zahedi Golpayegani 2442

Evaluation of persistence and effectiveness of bacterial cell suspensions and culture filtrates against <i>M. incognita</i> on brinjal <i>H.M. Aatif, N. Javed, S.A. Khan, S.P. Lali and M.I. Ullah</i>	2447
Disease progress of <i>Jatropha</i> dieback caused by <i>Fusarium</i> sp. in Samaru, Zaria <i>A.B. Zaraf and I.D. Abdulkadir</i>	2458
Comparative demographic analysis of sub-lethal effects of <i>Calotropis procera</i> extract and some insecticides on <i>Bemisia tabaci</i> (Genn.) <i>Saeideh Esmaeily, Mohammad Amin Samih, Mehdi Zarabi and Fatemeh Jafarbeigi</i>	2464
Induction of resistance against <i>Cercospora</i> leaf spot in safflower by seed treatment with plant growth-promoting rhizobacteria <i>M. Govindappa, V. Ravishankar Rai and S. Lokesh</i>	2479
Biochemical and genetic characterisation of <i>Agrobacterium tumefaciens</i> the causal agent of walnut crown gall disease in Iran <i>Kiomars Rouhrazi and Heshmat Rahimian</i>	2493
Morphological characteristics in <i>Plasmopara halstedii</i> (sunflower downy mildew) <i>Nachaat Sakr</i>	2501
Infra-specific diversity of <i>Colletotrichum truncatum</i> associated with chilli anthracnose in India based on microsatellite marker analysis <i>Gunjan Sharma, Anil Kumar Pinnaka and Belle Damodara Shenoy</i>	2509
Differential induction of peroxidase and polyphenol oxidase isozymes in suspension-cultured cells of blast resistant and susceptible genotypes of rice in response to treatment with <i>Magnaporthe grisea</i> elicitor and toxin <i>S. Malathi, S. Madhavan, R. Rabindran, V. Paranidharan and R. Velazhahan</i>	2524