

CONTENTS

Number 5

Articles

- Molecular studies on mungbean (*Vigna radiata* (L.) Wilczek) and ricebean (*Vigna umbellata* (Thunb.)) interspecific hybridisation for Mungbean yellow mosaic virus resistance and development of species-specific SCAR marker for ricebean  
*M. Sudha, P. Anusuya, Nawkar Ganesh Mahadev, A. Karthikeyan, P. Nagarajan, M. Raveendran, N. Senthil, M. Pandiyan, K. Angappan and P. Balasubramanian* 503
- Phenotypic and molecular characterisation of *Colletotrichum acutatum*, the causal agent of anthracnose disease on *Cornus mas* in Iran  
*M. Arzanlou and M. Torbati* 518
- A new species of entomopathogenic nematode *Oscheius gingeri* sp. n. (Nematoda: Rhabditidae) from ginger rhizosphere  
*Rashid Pervez, S.J. Eapen, S. Devasahayam and T.K. Jacob* 526
- Efficacy of plant essential oils on post-harvest control of rot caused by *Botrytis cinerea* on kiwi fruits  
*Hamide Fatemi, Mohammad Hossein Aminifard and Samane Mohammadi* 536
- Evaluation of fungicides on Indian isolates of *Phytophthora colocasiae* causing leaf blight of taro  
*Vishnu Sukumari Nath, Muthukrishnan Senthil, Vinayaka Mahabaleswar Hegde, Muthulekshmi Lajapathy Jeeva, Raj Shekhar Misra, Syamala Swayamvaran Veena and Mithun Raj* 548
- Effect of temperature on the *in vitro* reproductive fitness of *Pratylenchus coffeae* populations from Vietnam  
*N.T. Tuyet, A. Elsen, H.H. Nhi and D. De Waele* 556
- Effect of lemon essential oil on the developmental stages of *Trialeurodes vaporariorum* West (Homoptera: Aleyrodidae)  
*Shadi Delkhoon, Mahin Fahim, Jafar Hosseinzadeh and Omid Panahi* 569
- Impact of *Spodoptera littoralis* (Boisd.) and *Agrotis ipsilon* (Hufn.) larval frass on oviposition of conspecific insects  
*A.A.I. Ahmed, M.Y. Hashem, Manal M. Adel, S.M. Mohamed and S.H. Shimaa Khalil* 575
- Status of resistance to Ascochyta blight and Fusarium wilt in large-seeded kabuli  
*Livinder Kaur, Asmita Sirari, S. Singh, I. Singh, Dinesh Kumar and J.S. Sandhu* 593
- Evaluation of uncomposted botanical-based soil amendments for organic management of downy mildew of Sorghum  
*Heminder Singh and Rajkumar H. Garampalli* 599
- Pseudomonas fluorescens* mediated suppression of *Meloidogyne incognita* infection of cowpea and tomato  
*A. Mukherjee and S.P. Sinha Babu* 607
- First record and preliminary evaluation of *Mucor hiemalis* as biocontrol agent on inflorescence brown rot incidence of date palm  
*El-Sayed H.E. Ziedan, Eman S.H. Farrag and Ahmed F. Sahab* 617

## Number 6

### Articles

- Isolation of endophytic fungi from *Cannabis sativa* and study their antifungal potential  
*Ajay Kumar Gautam, Mona Kant and Yogita Thakur* 627
- Effect of eight cauliflower cultivars on biological parameters of the cabbage aphid, *Brevicoryne brassicae* (L.) (Hem: Aphididae) in laboratory conditions  
*Fatemeh Jahan, Habib Abbasipour, Alireza Askarianzade, Gholamhossein Hasanshahi and Ayatallah Saeedizadeh* 636
- Effects of sub-bactericidal concentration of plant essential oils on pathogenicity factors of *Ralstonia solanacearum*  
*Saeed Hosseinzadeh, Masoud Shams-Bakhsh and Ebrahim Hosseinzadeh* 643
- An efficient technique to obtain conidial inoculum of *Peronosclerospora sorghi* causing downy mildew of sorghum  
*Heminder Singh and Rajkumar H. Garampalli* 656
- Rapid assessment of resistance of tissue-cultured water yam (*Dioscorea alata*) and white guinea yam (*Dioscorea rotundata*) to anthracnose, (*Colletotrichum gloeosporioides* Penz.)  
*Akinola Rasheed Popoola, Bosola Okuyinka Adedibu and Sikiru Adebare Ganiyu* 663
- Host response of rice genotypes to the rice root-knot nematode (*Meloidogyne graminicola*) under aerobic soil conditions  
*D. De Waele, K. Das, D. Zhao, R.K.S. Tiwari, D.K. Shrivastava, C. Vera-Cruz and A. Kumar* 670
- Morphological and molecular characterization of *Diplodia seriata*, the causal agent of canker and twig dieback disease on mulberry in Iran  
*M. Arzanlou and H. Dokhanchi* 682
- Inhibition of green mould in blood orange (*Citrus sinensis* var. Moro) with salicylic acid treatment  
*M.H. Aminifard, S. Mohammadi and Hamide Fatemi* 695
- Investigation on the insecticidal efficacy of novel pellet formulation against *Callosobruchus maculatus* (F.) (Col.: Bruchidae) in three different heights and compared with phosphine  
*Jamshid Marzanghi, Mohammad Hassan SafarAlizadeh and Peyman Najafi Moghaddam* 704
- Determination of biotic aetiology of tapping panel dryness (TPD) syndrome of rubber tree (*Hevea brasiliensis*) by return-polyacrylamide gel electrophoresis (R-PAGE) technique  
*Ajay Kumar, D.M. Pandey, Thomson Abraham, Jacob Mathew, Padma Ramachandran and V.G. Malathi* 710
- Influence of carbon and nitrogen sources on antifungal metabolite production by bacterium associated with entomopathogenic nematode against *Penicillium expansum*  
*Kumar Nishanth, Bala Nambisan, R. Ramya and Chellapan Mohandas* 721
- Sclerotium rolfsii* management in tomato using *Aframomum melegueta*, *Ocimum gratissimum* and *Cymbopogon citratus*  
*E.A. Adesegun, A.K. Akintokun, E.O. Ajayi, O.S. Adebayo and O.A. Enikuomihin* 732
- Incidence and identification of Cassava tuber rot caused by *Phytophthora palmivora*  
*M. Senthil @ Sankar, Vishnu Sukumari Nath, Raj Shekar Misra and Muthulekshmi Lajapathy Jeeva* 741

Control of <i>Fusarium</i> wilt in bittergourd and bottlegourd by biofumigation using mustard var. Monteverde <i>C.A. Relevante and C.J.R. Cumagun</i>	747
Statement of Retraction	754
<b>Number 7</b>	
<b>Articles</b>	
Rearing larval stages of <i>Hippodamia variegata</i> Goeze (Col.: Coccinellidae) on artificial diet <i>Ramin Ershadi Mirkhalilzadeh, Hossein Allahyari, Jamasb Nozari and Farhad Farhoudi</i>	755
Life table parameters and biological characteristics of <i>Apomyelois ceratoniae</i> Zeller (Lepidoptera: Pyralidae) on three cultivars of pomegranate <i>Davood Zare, Jalal Jalali Sendi, Ali Jafary Nodoushan and Roya Khosravi</i>	766
Effective and ineffective resistance genes to wheat yellow rust during six years monitoring in Ardabil <i>Safar Ali Safavi, Farzad Afshari and Amir Yazdansepas</i>	774
Sublethal effects of <i>Thymus vulgaris</i> essential oil on life-table parameters of two-spotted spider mite, <i>Tetranychus urticae</i> Koch (Acari: Tetranychidae) <i>Moloud Gholamzadeh Chitgar, Roya Khosravi, Jalal Jalali Sendi and Mohammad Ghadamyari</i>	781
Survival, fecundity and reproductive recovery period of <i>Neoseiulus californicus</i> (McGregor) during long-term preservation on maize pollen and after switch to <i>Tetranychus urticae</i> Koch <i>S.A. Saber</i>	789
Damping-off disease in greenhouse cucumber in Iran <i>Narges Hatami, Mohamad Mehdi Aminae, Hadi Zohdi and Talat Tanideh</i>	796
PCR-based approach for mining of resistant gene analogues in taro ( <i>Colocasia esculenta</i> ) <i>Vishnu Sukumari Nath, Muthukrishnan Senthil, Vinayaka Mahabaleswar Hegde, Muthulekshmi Lajapathy Jeeva, Raj Shekar Misra, Syamala Swayamvaran Veena and Mithun Raj</i>	803
Fruit differential protein patterns in strawberry cultivars susceptible or resistant to grey mould <i>Qinglian Wang, Claudine Dubé, Christine Gagnon, Stephen Gleddie, Yu-Jin Hao and Shahrokh Khanizadeh</i>	813
Reaction of sunflower varieties to <i>Sclerotinia sclerotiorum</i> under various inoculation methods, time of field evaluation and phylogenic stages of host <i>Rouya Ebrahimi, Siamak Rahmanpour, Youbert Ghosta, Saeed Rezaee and Masoud Soltani Najafabadi</i>	825
Efficacy of pesticides on the functional response on larval ectoparasitoid, <i>Habrobracon hebetor</i> Say (Hymenoptera: Braconidae) <i>Vahid Mahdavi, Moosa Saber, Hooshang Rafiee-Dastjerdi, Ali Mehrvar and Mehdi Hassanpour</i>	841
Bioassay evaluation of the entomopathogenic fungus, <i>Lecanicillium longisporum</i> (Petch) Zare and Gams against egg and nymphs of <i>Trialeurodes vaporariorum</i> Westwood in laboratory conditions <i>Omid Panahi and Azadeh Loni</i>	849
Population fluctuation of <i>Ephestia figulilella</i> in Kerman province of Iran <i>Mohammad Javad Assari and Simin Khajepour</i>	862

Effect of mycorrhiza and biofertilisers on reducing the incidence of <i>Fusarium</i> root and pod rot diseases of peanut <i>Mosharif S. Ahmed, Nashwa M.A. Sallam, AbdElal A. Mohamed and Mohamed H.A. Hassan</i>	868
<b>Number 8</b>	
<b>Articles</b>	
Effect of nitrogen fertilisation on biology, life table parameters and population abundance of greenbug; <i>Schizaphis graminum</i> (Rondani) (Hemiptera: Aphididae) <i>Azita Alasvand Zarasvand, Hossein Allahyari and Somayeh Fattah-Hosseini</i>	882
<i>In vitro</i> inhibitory effects of rosemary and sage extracts on mycelial growth and sclerotial formation and germination of <i>Sclerotinia sclerotiorum</i> <i>S.J. Goussous, I.S. Mas'ad, F.M. Abu El-Samen and R.A. Tahhan</i>	890
Virulence patterns of barley yellow rust and effective resistance genes to <i>Puccinia striiformis</i> in three parts of Iran <i>Safar Ali Safavi, Yousef Jahani-Jelodar and Shapour Ebrahimnejad</i>	903
Oviposition deterrent effect of <i>Spodoptera littoralis</i> (Boisd.) larval frass to adult females of two major noctuid insect pests <i>M.Y. Hashem, A.A.I. Ahmed, S.M. Mohamed, G.H. Sewify and S.H. Khalil</i>	911
The elm leaf beetle $\alpha$ -amylase and its activity relationship with insect feeding <i>Iman Tatli, Ali Reza Bandani and Ali Moslemi</i>	917
Molecular diagnosis of <i>Colletotrichum gloeosporioides</i> causing Anthracnose/ Dieback disease in Greater Yam ( <i>Dioscorea alata</i> L.) <i>Mithun Raj, Vinayaka Hegde, M.L. Jeeva, M. Senthil, Vishnu S. Nath, Pravi Vidyadharan and P.V. Archana</i>	927
Seasonal dynamics of phytonematodes associated with date palm cvs. Barhi and Hyani as affected by soil temperature and moisture <i>Asmahan M.S. Lashein and M.M.A. Youssef</i>	937
Effect of some pesticides with different target sites on the pink bollworm, <i>Pectinophora gossypiella</i> (Saunders) <i>Al-Kazafy Hassan Sabry</i>	942
The incidence and severity of <i>Jatropha</i> dieback disease in Zaria, Nigeria <i>A.B. Zarafi and I.D. Abdulkadir</i>	952
Impact of beef extract and six carbon source on antifungal metabolites production by bacterium associated with entomopathogenic nematode against <i>Fusarium oxysporum</i> <i>Sasidharan Kumar Nishanth, Bala Nambisan and Chellapan Mohandas</i>	962
Reproductive parameters and life expectancy of <i>Tetranychus urticae</i> (Acari: Tetranychidae) on 12 genotypes of melon and cucumber in laboratory condition <i>Negin Ghazazani, Katayoon Kheradmand, Mahmoud Lotfi and Ali Asghar Talebi</i>	971
Biochemical characterisation of grain mould resistant and susceptible genotypes and PGPR-induced resistance in the host to <i>Curvularia lunata</i> and <i>Fusarium proliferatum</i> <i>R. Nithya, Rajan Sharma, V.P. Rao, S. Gopalakrishnan and R.P. Thakur</i>	980
Foliar disease of <i>Clitoria ternatea</i> due to <i>Colletotrichum dematium</i> and its effect on secondary metabolite production <i>K.G. Somashekhara Achar and M.B. Shivanna</i>	990