

CONTENTS

Number 9

Articles

- Occurrence of symptomless source of *Piper yellow mottle virus* in black pepper (*Piper nigrum* L.) varieties and a wild *Piper* species
A.I. Bhat, A. Siljo and S. Devasahayam 1000
- Isolation, characterisation and antifungal activity of marine actinobacteria from Goa and Kerala, the west coast of India
R. Vijayakumar, G. Gopika, D. Dhanasekaran and R. Saravanamuthu 1010
- Cytokinin-like active principle associated with rice necrosis mosaic virus induced growth promotion in jute (*Corchorus olitorius* L.)
Nirmalya Dey, D.J. Chattopadhyay and S.K. Ghosh 1026
- The identity of a stem sawfly recorded as a pest of *Rosa damascena* in Iran
Andrew D. Liston 1039
- The role of root-knot nematode on the wilt disease of *Telfairia occidentalis* in northern Nigeria
Nnennaya Ogechi Aghenin 1042
- Insecticidal efficacy of some plant powders and extracts against the Angoumois grain moth, *Sitotroga cerealella* (Olivier) (Lepidoptera: Gelechiidae)
M.O. Ashamo and O. Akinnawonu 1051
- Bio-activity of fungal culture filtrates against root-knot nematode egg hatch and juvenile motility and their effects on growth of mung bean (*Vigna radiata* L. Wilczek) infected with the root-knot nematode, *Meloidogyne incognita*
Mohd. Yaqub Bhat and A.H. Wani 1059
- Detection and elimination of *Begomovirus* infecting *Trichosanthes dioica* (pointed gourd) plants in Uttar Pradesh, India
A.K. Tiwari, G.P. Rao, M.S. Khan, N. Pandey and S.K. Raj 1070
- Variation in aggressiveness among isolates of *Cercospora zae-maydis* in low-, medium- and high-altitude maize agro-ecologies of Tanzania
H.J.F. Lyimo, R.C. Pratt and R.S.O.W. Mnyuku 1076
- Identification of fungal diseases of *Rosa damascena* in Kerman province of Iran
Gholam Reza Baradaran, Mohammad Mehdi Aminaee and Mohammad Javad Assari 1087
- Identification and host range of causal agent of dieback disease on *Jatropha curcas*
A.B. Zarafi and I.D. Abdulkadir 1096
- Carbon, nitrogen and pH regulate the production and activity of a polygalacturonase isozyme produced by *Penicillium expansum*
Wayne M. Jurick II, Ivana Vico, Verneta L. Gaskins, Kari A. Peter, Eunhee Park, Wojciech J. Janisiewicz and William S. Conway 1101

Pre-plant bacterisation: a strategy for delivery of beneficial endophytic bacteria and production of disease-free plantlets of black pepper (<i>Piper nigrum</i> L.) <i>R. Aravind, A. Kumar and S.J. Eapen</i>	1115
Number 10	
Articles	
Bioefficacy of <i>Ceasalpinea bonduc</i> (L.) Roxb. against <i>Spodoptera litura</i> Fab. (Lepidoptera: Noctuidae) <i>Kathirvelu Baskar, Rajan Maheswaran and Savarimuthu Ignacimuthu</i>	1127
Prospects of botanical pesticides for the future in integrated pest management programme (IPM) with special reference to neem uses in Egypt <i>Nadia Z. Dimetry</i>	1138
Field observations of the effect of <i>Metarhizium anisopliae</i> var. <i>acidum</i> on the saxaul locust, <i>Dericorys albidula</i> Serville (Orthoptera: Dericorythidae) <i>Heydar Valizadeh, Habib Abbasipour, Mohammad Mahmoudvand, Hassan Askary and Vahid Reza Moniri</i>	1162
Characterisation of digestive protease in the rose sawfly, <i>Arge rosae</i> Linnaeus (Hymenoptera: Argidae) <i>Mahbobe Sharifi, Moloud Gholamzadeh Chitgar, Mohammad Ghadamyari, Reza Hasan Sajedi and Sudabe Amini</i>	1170
Plant-parasitic nematodes and yellowing of leaves associated with black pepper plants in Vietnam <i>T.T.T. Thuy, N.T. Yen, N.T.A. Tuyet, L.L. Te and D. De Waele</i>	1183
Effect of bark extract of different plant species on the hatching of <i>Meloidogyne incognita</i> <i>Abbasi, Hisamuddin, Ambreen Akhtar and Rushda Sharf</i>	1201
Use of Brassicaceous seed meals to improve seedling emergence of tomato and pepper in <i>Pythium ultimum</i> infested soils <i>Maxwell Handiseni, Jack Brown, Robert Zemetra and Mark Mazzola</i>	1204
Fruit fly (Diptera: Tephritidae) diversity in cucurbit fields and surrounding forest areas of Himachal Pradesh, a north-western Himalayan state of India <i>Chandra S. Prabhakar, Pankaj Sood and Pawan K. Mehta</i>	1210
Pathogenic and genetic diversity of <i>Botrytis fabae</i> Sand. isolates from faba bean fields in different agro-ecological zones of Northern Ethiopia <i>Samuel Sahile, M.M. Abang, Chemedo Fininsa, Seid Ahmed, P.K. Sakhuja and M. Baum</i>	1218
Biocontrol potential of <i>Trichoderma</i> species against mango malformation pathogens <i>Pradeep Kumar, Ashok Kumar Misra, Dinesh Raj Modi and Vijai Kumar Gupta</i>	1237
Efficacy of dried seed powder of some plant species as soil amendment against <i>Meloidogyne incognita</i> (Tylenchida: Meloidogynidae) on tomato <i>M.A. Radwan, S.A.A. Farrag, M.M. Abu-Elamayem and N.S. Ahmed</i>	1246
Number 11	
Articles	
Comparative analysis of activities of vital defence enzymes during induction of resistance in pearl millet against downy mildew <i>S.N. Lavanya, S. Niranjana Raj, A.C. Udayashankar, K.R. Kini, K.N. Amruthesh, S.R. Niranjana and H.S. Shetty</i>	1252

- Field evaluation of aqueous extract of *Melia azedarach* Linn. seeds against cabbage aphid, *Brevicoryne brassicae* Linn. (Homoptera: Aphididae), and its predator *Coccinella septempunctata* Linn. (Coleoptera: Coccinellidae)
Gebremariam Kibrom, Kahsay Kebede, Gebrelibanos Weldehaweria, Goyetom Dejen, Selemawit Mekonen, Ershan Gebreegziabher and Raja Nagappan 1273
- Effect of essential oils on postharvest decay and quality factors of tomato in vitro and in vivo conditions
M.H. Aminifard and S. Mohammadi 1280
- Stem borer's species composition, abundance and infestation on maize and millet in Maiduguri, Nigeria
Duna M. Mailafiya and Micheal M. Degri 1286
- Effect of fungi-termite interaction on the chlorophyll content of three rice varieties grown on ultisol soil of Ikenne, south-west Nigeria
Olumoye E. Oyetunji, Cecilia O. Peluola, Francis E. Nwilene, Gbenga Akinwale, Abou Togola, Tolulope A. Agunbiade and Abiodun O. Claudius-Cole 1292
- Time-course analysis of the phenols in *cucumber mosaic virus-resistant, -tolerant and -susceptible* tomato genotypes
S. Nazir, K.P. Akhtar, N. Sarwar, M.Y. Saleem, M. Asghar, Z. Siddique, K. Saleem and F.F. Jamil 1304
- Molecular diversity of *Fusarium oxysporum* causing rot diseases of vanilla in south India
A.K. Vijayan, L. Sithara, K.P. Sreelakshmi, Joseph Thomas, J. Thomas, R.S. Misra and K.A. Saju 1319
- Conservation strategies for threatened medicinal plant – *Barleria prionitis* L. – using in vitro and ex vitro propagation techniques
Shabir A. Lone, A.S. Yadav, A. Bajaj, Ajit K. Sharma, Yogesh Badkhane and D.K. Raghuvanshi 1327
- Predation, oviposition and longevity of the predacious mite, *Agistemus exsertus* Gonzalez at different prey densities of *Tetranychus urticae* Koch (Acari: Stigmaeidae, Tetranychidae)
S.A. Saber 1341
- Various effects of ethanolic extract of *Mentha pulegium* on the two-spotted spider mite, *Tetranychus urticae* (Tetranychidae)
Fatemeh Mozaffari, Habib Abbasipour, Aziz Sheikhi Garjan, Ali Reza Saboori and Mohammad Mahmoudvand 1347
- Defence-related biochemical changes by elicitor of malformation pathogen, *Fusarium mangiferae*, in mango
Satguru Prasad Yadav, Gireesh Chand and Dilip Kumar Chakrabarti 1356
- An appraisal of pre-harvest rodent damage in major crops of north-eastern Himalaya, India
N.S. Azad Thakur, D.M. Firake and D. Kumar 1369
- Number 12**
- Articles**
- Transcriptional and translational regulation of defense enzymes induced by neem fruit extract in tomato
V. Bhuvaneshwari and P.K. Paul 1374

- Pathogenicity and its alternation with both morphological and genetic variation in *Plasmopara halstedii* (sunflower downy mildew)
Nachaat Sakr 1386
- Efficacy of plant extracts and effect of seed soaking duration on treatment of sorghum seed naturally infected by *Colletotrichum graminicola* and *Phoma sorghina*
Bonzi Schémaeza, Somda Irénée, Zida Elisabeth and Sereme Paco 1405
- Temperature linked degenerative tissue rots in *Capsicum annuum* (L.) varieties diseased with *Phytophthora capsici*
S.E.L. Alao, O. Alabi, M.D. Alegbejo and A.D. Akpa 1411
- Antifungal activity of different plant extracts against *Drechslera bicolor* causing leaf blight of bell pepper
Kuldeep Singh Jadon and Rakesh Shah 1417
- Biochemical and molecular determinance of resistance and susceptibility in *Solanum tuberosum* (potato) plants challenged with *Phytophthora infestans*
Himanshu Bariya, Vasudev Thakkar, Saurabh Tanna and R.B. Subramanian 1429
- Phytoseiid mites (Acari: Mesostigmata) associated with tea gardens in north of Iran
Habib Abbasipour, Abdolhossein Taghavi, Fahimeh Rastegar and Edward A. Ueckermann 1439
- Efficacy of fungicide combinations, phosphoric acid and plant extract from stinging nettle on potato late blight management and tuber yield
R. Nyankanga, M. Njogu, J. Muthomi and M. Olanya 1449
- Control of *Aspergillus niger* infection in varieties of *Arachis hypogaeae* L. by supplementation of zinc ions during seed germination
Harsur M. Jajda and Vasudev R. Thakkar 1464
- Stripe rust analysis of D-genome synthetic wheats ($2n = 6x = 42$, AABBDD) and their molecular diversity
Mian Abdur Rahman Arif, Hadi Bux, Alvina Gul Kazi, Awais Rasheed, Abdul Aziz Napar, Abid Riaz and Abdul Mujeeb-Kazi 1479
- Effect of yellow rust on yield components of barley cultivars with race-specific and slow rusting resistance to yellow rust
Safar Ali Safavi, Assadollah Babai-Ahari, Farzad Afshari and Mahdi Arzanlou 1488
- Professor Dr. Theo Wetzel celebrates his 80th birthday
Bernd Freier and Christa Volkmar 1499