

***Journal of Mycology
and
Plant Pathology***

Volume 49, 2019

Consisting of 434

and x pages

Author Index and Subject Index

Title Index

Journal of Mycology and Plant Pathology

Volume 49 (1)

March 2019

- Xylem occlusion incited by endophytic bacteria leading to reduction of vase life in cut rose variety Taj Mahal** – Sushmita Javalagaddi, S Nakkeeran and S Haripriya 1
- Morpho-pathogenic variability in *Albugo candida* isolates, causing white rust of indian mustard** – K Basavaraj, A S Rathi, N P Gurav and Anil Kumar 12
- Effect of temperature, soil moisture and rhizo-microbiota of various crops influence survival and pathogenicity of *Sclerotium rolfsii*** – Krishna Ray, Krishnendu Sen and Subrata Dutta 27
- Expression analysis of pathogenesis related proteins induced by compatible and incompatible interactions of *Tilletia indica* in wheat plants** – Prem L Kashyap, Satvinder Kaur and Pushpinder Pal Singh Pannu 39
- Genetic diversity of *Fusarium oxysporum* f.sp. *cubense* as Revealed by 5.8s rRNA sequences and ISSR-PCR, the causal agent of *Fusarium* wilt of banana** – Rajesh Kumar Ponnusamy, Rajesh Subramanian, Kavino Mathiazhagan and Kamalakannan Ayyanar 48
- Variability among *Rhizoctonia solani* inciting rice sheath blight from different agro-climatic zones of Telangana state** – B Deepak Reddy, B Vidya Sagar, G Sridevi and V Prakasam 56
- Management of bacterial leaf spot of greengram caused by *Xanthomonas axonopodis* pv. *vignaeradiatae*** – Manoj Choudhary, K Singh, M K Khokhar, P Rawal and R Shah 67
- Integrated management of pre-harvest fruit drop in kinnow mandarin (*Citrus nobilis* Lour x *Citrus deliciosa* Tenore)** – RPS Dalal, Rajender Singh and Neeraj Pawar 73
- Integrated management of bacterial leaf blight (*Xanthomonas oryzae* pv. *oryzae*) in rice under sub-tropics of Jammu** – A K Singh, Prem Chinabi Aryan, V B Singh and S K Singh 78
- Assessment the incidence and per cent infection of anthracnose (*Colletotrichum capsici*) in dry chilli fruit samples** – RN Bunker and SG Mohammady 83
- Biological control agents for the management of basal stem rot disease in coconut** – Manjunath Hubballi, HP Maheshwarappa, R Siddappa and GS Chandrashekar 89
- Influence of organic amendments and soil pH on management of rhizome rot of ginger** – KH Begum and Ashok Bhattacharyya 98
- A new record of fungus *Aithaloderma viride* from Chandoli national park, Maharashtra, India** – Rashmi Dubey 107

Volume 49 (2)

June 2019

- Effect of abiotic stress on the fitness of *Sclerotinia sclerotiorum*** – Tasvina R Borah and S Dutta 111
- Towards managing *Ganoderma* induced mortality in Indian mesquite by indigenous bio-resources** – Ritu Mawar 127
- Environmental factors decides the development of mango anthracnose incited by *Colletotrichum gloeosporioides* (Penz and Sacc) on the mango cultivars Langra and Dashehari in Haryana** – Sanjeev Leharwan, VK Malik, Rajender Singh, Surender Singh and Munish Leharwan 135
- Impact of *Trichoderma* species on myceliogenic and sclerotial behaviour of *Sclerotinia sclerotiorum* causing white mold of common bean** – S Chauhan, S Katoch, SK Sharma and PN Sharma 144

Volume 49 (2)	June 2019
Ditrophic interaction of the consortia - <i>Ochrobactrum intermedium</i> and <i>Klebsiella variicola</i> with the necrotrophic <i>Pythium aphanidermatum</i> alters the diversity of antimicrobial nonvolatile organic compounds (NVOC) to inhibit <i>Pythium aphanidermatum</i> – T Kaviyarathinam, S Nakkeeran, T Raguchander and M Kavino	160
Substrate induced lignocellulolytic enzyme secretion for maximising the yield of black poplar mushroom, <i>Agrocybe aegerita</i> under subtropical conditions – K Sakthivel, G Thiribhuvanamala, S Madhavan and V Prakasam	170
Evaluation of organic bio-formulations, de-oiled cakes, neem based formulations and biocontrol agents for the management of tomato wilt caused by <i>Fusarium oxysporum</i> f.sp. <i>lycopersici</i> (Sacc) Synder and Hans – Pokhar Rawal, S Maurya, NL Meena and Lekha	177
Management of <i>Phytophthora</i> blight of pigeonpea using <i>Trichoderma asperellum</i> and a chemical fungicide – G Jadesha, Mamta Sharma and Narayan Reddy	192
Histopathology of neem shoot naturally infected with <i>Phomopsis azadirachtae</i>, the die-back of neem pathogen – K Girish, S Shankara Bhat and SK Fathima	204
Rapid mass culturing method of wheat (<i>Triticum</i> species) powdery mildew pathogen [<i>Blumeria graminis</i> (DC) Speer f.sp. <i>tritici</i> Marchal] under controlled conditions at Wellington, The Nilgiris, India – P Nallathambi, C Uma Maheswari, DP Singh, Santosh Watpade, PL Kashyap, B Aarthy, Priya Ravikumar, Anju Sharma and Rishav Kumar	211
Volume 49 (3)	September 2019
Antifungal efficacy of phytoantifungal principles and management of rice sheath blight disease – A Sajeena, SR Karthika, Jacob John, B Sudha and AV Meera	217
Analysis of Indian isolates of <i>Fusarium oxysporum</i> f.sp. <i>ciceri</i> using pathogenicity and microsatellite DNA marker characterization – PN Rakhonde, SS Mane, MV Totawar and AD Gawande	226
Hyperparasitic interaction of <i>Trichoderma virens</i> TRI 37 with <i>Fusarium oxysporum</i> f.sp. <i>cucumerinum</i> induce differential display of NVOC against cucumber vascular wilt pathogen – B Sreenayana, S Nakkeeran and P Muthulakshmi	237
Morphological, cultural and molecular characterization of <i>Trichoderma</i> isolate exhibiting chitosan, oligochitosan and copper-hydroxide compatibility – Yogita Bohra, Erayya, Nandani Shukla and J Kumar	252
Comparison of <i>Pseudomonas aeruginosa</i> strains from tropical rain forest and paddy cultivated soils on plant growth promotion and herbicide tolerance – CG Sreekala, Surabhi Sankar and C Dileep	263
Antifungal activity of cinnamon and thyme oil against <i>Colletotrichum gloeosporioides</i> causing anthracnose disease of papaya – K Darshan, A Kamala Kannan and S Vanitha	273
Pathogenicity inducing effector genes of <i>Xanthomonas axonopodis</i> pv <i>punicae</i> reveals differential expression pattern in host and pathogen – Kartar Singh, MK Prasannakumar, HB Mahesh, C Manjunatha ME Puneeth and Manoj Choudahry	285
Alternate fungicides for the management of carbendazim resistant <i>Fusarium</i> species causing wilt in gladiolus and marigold – Mahesh Kumar Kumawat, Neethu K Chandarn and S Sriram	298
Fungicides for the management of early blight of tomato caused by <i>Alternaria solani</i> – Nagesh, SK Mushrif, TB Manjunatha Reddy, CG Sangeetha and JS Aravinda Kumar	308
A new species of <i>Cortinarius</i> from Himachal Pradesh (India) – VP Sharma, B Kumari, A Barh and S Kamal	316

Volume 48 (4)

December 2019

Investigations on MAMP triggered immunity mediated by <i>Bacillus amyloliquefaciens</i> against groundnut bud necrosis virus infecting tomato – M Vanthana, S Nakkeeran, P Renukadevi, U Sivakumar and A Suganthi	323
Plant growth promotion and biocontrol potential of salt tolerant native rhizobacteria from coastal saline zone of West Bengal – A Dasgupta, A Roy Barman, AK Ghorai and S Dutta	337
Deciphering the response of putative mutants against <i>Rhizoctonia bataticola</i> [(taub.) Butler] causing dry root rot of chickpea – Devashish R Chobe, Reeti Singh, Avijit Tarafdar, US Sharath Chandran, Raju Ghosh and Mamta Sharma	358
Optimization of physicochemical parameters to enhance the production of L-glutaminase by <i>Pseudomonas aeruginosa</i> MM2 under SSF – Mohammed Mujahed, BM Kareppa and SH Tarte	368
Epidemiological investigations on whip smut of sugarcane and elucidation of sugarcane genotypes for possible resistance – Pawan K Amrate, AK Choudhary, A Chatterjee and DK Bajoriya	374
Status of yellow mould diseases of white button mushroom in Haryana and its management – VP Sharma, Shwet Kamal and Anil Kumar	385
Management of rice blast disease by fungicides in sub Himalayan zone of West Bengal – Suman Dutta, Sekhar Bandyopadhyay and Satyajit Hembram	394
Development of spray schedules for management of late blight of potato using new chemicals – Mehi Lal, Sorabh Chaudhary, Saurabh Yadav, Sanjeev Sharma, SK Chakrabarti and Manoj Kumar	405
Fruit dropping in kinnow mandarin and its management through spray scheduling – RB Gaur, RN Sharma, MK Kaul and P Rawal	413
Integrated management of stemphylium blight of onion under temperate conditions of Kashmir valley – Mudasir Hassan, Vaseem Yousuf, ZA Bhat, NA Bhat, Rabia Latief and M Anwar Khan	422
Title Index	ii
Author Index	v
Subject Index	vi
Guidelines for manuscript preparation and submission	viii

Author Index
Volume 49 (1 to 4), 2019

Aarthy B	211	Kamal Shwet	385	Ravikumar	211
Amrate Pawan K	374	Kamalakannan A	273	Rawal P	67, 177, 413
Anil Kumar	12	Kareppa BM	368	Ray Krishna	27
Anju Sharma	211	Karthika SR	217	Reddy Manjunatha TB	308
Anwar Khan M	422	Kashyap PL	39, 211	Reddy N	192
Aryan PC	78	Katoch S	144	Renukadevi P	323
Ayyanar Kamalakannan	48	Kaul MK	413	Rishav Kumar	211
Bajoriya DK	374	Kaur S	39	Roy Barman A	337
Bandyopadhyay S	394	Kavino M	160	Sajeena A	217
Barh A	316	Kaviyarathinam T	160	Sakthivel K	170
Basavaraj K	12	Khokhar MK	67	Sangeetha CG	308
Begum KH	98	Kumar Anil	385	Sankar Surabhi	263
Bhat NA	422	Kumar Aravinda JS	308	Santosh Watpade	211
Bhat SS	204	Kumar J	252	Sen Krishnendu	27
Bhat ZA	422	Kumar M	405	Shah R	67
Bhattacharyya Ashok	98	Kumari B	316	Sharath Chandran US	358
Bohra Yogita	252	Kumawat MK	298	Sharma Mamta	192, 358
Borah Tasvina R	111	Lal M	405	Sharma PN	144
Bunker RN	83	Latief Rabia	422	Sharma RN	413
Chakrabarti SK	405	Leharwan M	135	Sharma S	405
Chandarn Neethu K	298	Leharwan S	135	Sharma SK	144
Chandrashekar GS	89	Lekha	177	Sharma VP	316, 385
Chatterjee A	374	Madhavan S	170	Shukla Nandani	252
Chaudhary M	67	Mahesh HB	285	Siddappa R	89
Chaudhary S	405	Maheshwarappa HP	89	Singh AK	78
Chauhan S	144	Malik VK	135	Singh DP	211
Chobe Devashish R	358	Mane SS	226	Singh K	67, 285
Choudahry M	285	Manjunath Hubballi	89	Singh R	73, 135
Choudhary AK	374	Manjunatha C	285	Singh Reeti	358
Dalal RPS	73	Mathiazhagan K	48	Singh S	135
Darshan K	273	Maurya S	177	Singh SK	78
Dasgupta A	337	Mawar Ritu	127	Singh VB	78
Deepak Reddy B	56	Meena NL	177	Sivakumar U	323
Dileep C	263	Meera AV	217	Sreekala CG	263
Dubey R	107	Mohammady SG	83	Sreenayana B	237
Dutta S	27, 111, 337, 394	Mujahed Mohammed	368	Sridevi G	56
Erayya	252	Mushrif SK	308	Sriram S	298
Fathima SK	204	Muthulakshmi P	237	Subramanian R	48
Gaur RB	413	Nagesh	308	Sudha B	217
Gawande AD	226	Nakkeeran S	1, 160, 237, 323	Suganthi A	323
Ghorai AK	337	Nallathambi P	211	Tarafdar Avijit	358
Ghosh Raju	358	Pannu PPS	39	Tarte SH	368
Girish K	204	Pawar N	73	Thiribhuvanamala G	170
Gurav NP	12	Ponnusamy R K	48	Totawar MV	226
Haripriya S	1	Prakasam V	56, 170	Uma Maheswari C	211
Hassan Mudasir	422	Prasannakumar MK	285	Vanitha S	273
Hembram S	394	Priya	211	Vanthana M	323
Jadesha G	192	Puneeth ME	285	Vidya Sagar B	56
Javalagaddi S	1	Raguchander T	160	Yadav S	405
John J	217	Rakhonde PN	226	Yousuf Vaseem	422
Kamal S	316	Rathi AS	12		

Subject Index
Volume 49 (1 to 4), 2019

Acidic soil	263	Ditrophic interaction	160	Marigold	298
<i>Agrocybe aegerita</i>	170	Dry root rot	358	Mass production	211
<i>Alternaria solani</i>	308	Early blight	308	MEGAX	252
Alternate fungicides	298	Effector proteins	285	Metabolites	144
Antagonism	337	Fermented egg- lemon juice extract	217	Meteorological factor	374
Anthracnose	135, 273	Fungicide resistance management	298	Moisture	111
Antibiosis	263	Fungicides	308, 405	MUSCLE	252
<i>Azadirachta indica</i>	204	<i>Fusarium oxysporum</i> f.sp. <i>ciceri</i>	226	Mutation	358
Azoxystrobin 23% EC + Difenoconazole 25% EC	394	<i>Fusarium oxysporum</i> f.sp. <i>lycopersici</i>	177	Neem based formulations	177
Bacterial blight	285	<i>Fusarium wilt</i>	298	Neem shoots	204
Basidiomycetes	316	GBNV	323	Non-volatile metabolites	160
Biocontrol agents	127, 144, 177, 192, 237	GC-MS	160, 273	Novel taxa	316
Bioefficiency	170	Gene expression	285	NVOC	237
Biofertilizer	337	Genetic variability	226	<i>Ochrobactrum</i> <i>intermedium</i>	160
Blast	394	Gladiolus	298	Oligochitosan	252
Carbendazim	298	Growth promotion	263	Onion residue	127
Carpogenic germination	111	Herbicide resistant	263	Organic bio-formulations	177
Chickpea	226, 358	Histopathological studies	204	Papaya	273
Chitosan	252	Hyperparasitic	237	Per cent inhibition	308
Chlamydospores	252	Incidence	422	PGPR seed bacterization	263
Chloropyrifos	127	India	316	Phialides	252
Cinnamon oil	273	Inoculum level	368	<i>Phomopsis azadirachtae</i>	204
<i>Colletotrichum</i>	135, 273	Intensity	422	Phorate	127
Common bean	144	ITS	252	Phosphate level	385
Concentrations	308	<i>Klebsiella variicola</i>	160	<i>Phytophthora</i>	192, 405
Consortium	252	Late blight	405	Pigeonpea	192
Crop loss	385	Lesion	135	Plant essential oils	273
Culturing methods	211	L-glutaminase	368	Plant growth promoting rhizobacteria (PGPR)	337
DAC-ELISA	323	Macrofungi	316	Pomegranate	285
Defense enzymes	323	Management	385, 405	Potato	405
De-oiled cakes	177			Powdery mildew	211
Die-back	204			<i>Prosopis cineraria</i>	127

<i>Pyricularia</i>	394	Seed treatment	192	Temperature	111, 135
<i>Pythium aphanidermatum</i>	160	Seedlings	211	Tomato wilt	177
Relative humidity	135	<i>Setaria barbata</i>	217	<i>Trichoderma</i>	144, 237, 252
Resistance	374	sheath blight,	217	Vermicompost	422
<i>Rhizoctonia solani</i>	217	Solarisation	385	Weather variables	111
Rice	394	Solid state fermentation	368	Wheat	211
Safflower oil cake	368	Spore germination	135	Whip smut	374
Salt tolerance	337	SSR	226	White mold	144
Scanning electron microscopy (SEM)	237	<i>Stemphylium</i> blight	422	Wilt	226
<i>Sclerotinia sclerotiorum</i>	111	Sub tropical	170	Yellow mould syndrome	385
Secondary metabolites	323, 337	Substrate	170	Yield	422
Seed bio-priming	144	Sugarcane	374	Yield losses	374
		Taxonomy	316		