

## Contents

S. No.	Title	Page No.
<b>Research Articles</b>		
1.	<b>Association study of allelic variation identified at yield contributing loci in rice (<i>Oryza sativa</i> L.)</b> Ally Mwichande Russinga, A. Srividhya, V.L.N. Reddy and P. Latha	277-288
2.	<b>Evaluation of stability for grain yield and its attributing traits in wheat (<i>Triticum aestivum</i> L.)</b> Yendluri Elijah Prabhant, Saikat Das, Suwendu Kumar Roy, S. Vishnupriya, Puspendu Dutta and Satyajit Hembram	289-295
3.	<b>Principal component analysis of foxtail millet accessions under rainfed condition</b> Pummy Kumari, Neeraj Kharor, S.K.Pahuja and D.S.Phogat	296-303
4.	<b>Genetic analysis and trait association in F<sub>2</sub> populations of four different crosses in pigeonpea (<i>Cajanus cajan</i> L. Millsp.)</b> T. E. Nagaraja, S. Murtujasab and S. Gazala Parveen	304-312
5.	<b>Classification of wheat genotypes on the basis of morphological and physiological traits in combination with spot blotch resistance under terai sub-Himalayan region</b> Ponaganti Shiva Kishore, Suwendu Kumar Roy, Saikat Das, Basid Ali, S. Vishnupriya, Lakshmi Hijam, Moumita Chakraborty, Puspendu Dutta, Rupsanatan Mandal, Avijit Kundu and Sanghamitra Rout	313-324
6.	<b>Genotype by environment interaction in mustard (<i>Brassica juncea</i>) under Terai Agro-Climatic zone using the AMMI model and GGE biplot</b> Supratim Sadhu, Moumita Chakraborty, Suwendu Kumar Roy, Rupsanatan Mandal, Lakshmi Hijam, Manoj Kanti Debnath, Anjan Roy and Sanghamitra Rout	325-336
7.	<b>Evaluation of early maturing sugarcane (<i>Saccharum spp. complex</i>) clones for sugar yield and its contributing traits and stability</b> Vikrant Singh, Sudhir Kumar Mishra, Barun Bishwas and Kuldeep Singh	337-346
8.	<b>Morpho-physiological characterization and selection of heat tolerant wheat lines using selection indices</b> Satender Yadav, Vikram Singh, Hari Kesh, Anu Naruka, Mukesh Kumar, Virender Singh Mor and Shikha Yashveer	347-355
9.	<b>Identification of early, wilt resistant and good combining male lines of castor (<i>Ricinus Communis</i> L.,) suitable for rainfed conditions</b> C. Lavanya, T. Manjunatha, S. Senthilvel and M. Santhalakshmi Prasad	356-363
10.	<b>Correlation, path analysis and genetic diversity in <i>Nerium oleander</i> L. accessions for morphological, yield and quality traits</b> G. Ashok Kumar, S.T. Bini Sundar, A. Jayajasmine, C. Indu Rani and S. Vasanth	364-369
11.	<b>Selection efficiency of molecular markers associated to Yellow Mosaic Virus (YMV) tolerance and identification of donors for earliness, yield and YMV tolerance in blackgram (<i>Vigna mungo</i> (L.) Hepper) using GT Biplot analysis</b> A. Kavitha Reddy, D. Mohan Reddy, Lakshminarayana, Reddy Vemireddy, Sudhakar Palagiri and B. V. Bhaskara Reddy	370-379
12.	<b>Genotype × environment interactions and stability analysis for grain yield in pearl millet [<i>Pennisetum glaucum</i> (L.) R. BR.]</b> A. L. Patel, D. A. Patel, Rumit Patel, D. J. Parmar and Kalyanrao Patil	380-386

13.	<b>Deciphering combining behaviour and magnitude of heterosis in bread wheat cross combinations under sub-tropical region</b> Ashish Sheera, Tuhina Dey, Mukesh Kumar Pandey, Tushadri Singh, Rubby Sandhu, Loveleen Dhillon, Sachin S. Chikkeri, Radheshyam Kumawat, Rakesh Kumar	387-393
14.	<b>Understanding combining ability, heterosis and relationships of pod yield and yield contributing traits in groundnut (<i>Arachis hypogaea</i> L.)</b> G. Venkateswara Rao, M. Pandiyan, N. Manivannan, C. N. Chandrasekhar and C. Harisudan	394-404
15.	<b>Detection of superior rice genotypes and yield stability using AMMI and MTSI models</b> S.T. Ponsiva, N. Senthilkumar, J. Vanitha, A. Anandan, K. Satheeskumar, R. Mahendran and S. Thirugnanakumar	405-413
16.	<b>Genetic variability, character association and diversity study in nutmeg (<i>Myristica fragrans</i> Houtt)</b> S.T. Bini Sundar, G. Ashok Kumar, A. Jayajasmine and S. Vasanth	414-419
17.	<b>Screening of bread wheat genotypes for identification of novel stripe rust resistance genes using molecular markers</b> Rubby Sandhu, Bikram Singh, Amardeep Kour, I.R. Delvadiya and Shweta Sharma	420-427
<b>Research Notes</b>		
18.	<b>Combining ability analysis and estimation of heterosis for agronomic and oil parameters in sunflower</b> V. Kaila	428-434
19.	<b>Unravelling the biochemical traits of traditional rice landraces of Kerala</b> B. Arya, B. Lovely, G. Seeja, V. Mini and S. Jyothilekshmi	435-442
20.	<b>Correlation and principal component analysis of bixin content and yield-related traits in Annatto (<i>Bixa orellana</i> L.)</b> Keisham Bindyalaxmi, K. Kumaran, S. Vennila and R. Saranya Kumari	443-453
21.	<b>Mutation effectiveness and efficiency in kodo millet (<i>Paspalum scrobiculatum</i> L.)</b> M. Vaithiyalingan, A. Nirmalakumari and V. Manimozhi Selvi	454-458
22.	<b>Gene action and heterosis studies for grain Fe and Zn content in rice (<i>Oryza sativa</i> L.)</b> Sandhyarani Das, Devraj Lenka, Digbijaya Swain, Swapan Kumar Tripathy, Bandita Jena, Manasi Dash, Lakesh Muduli, Abinash Mishra and T.B. Bagchi	459-464
23.	<b>Field evaluation of UASD Bt-cotton Event-78 based early segregating generations for cotton leaf hopper</b> Pushpa M. Aralikatti, Manjula S. Maralappanavar, Lakshmi Gangavati, Shobha Immadi and S. B. Patil	465-470
24.	<b>Genetic variability, heritability and genetic advance in finger millet (<i>Eleusine coracana</i> L.) genotypes</b> Ujjaval Patel, Harshal Patil, Vipul Parekh, Gopal Vadodaria and Alok Shrivastava	471-477
25.	<b>Evaluation of anaerobic germination and submergence tolerance in rice (<i>Oryza sativa</i> L.) suitable for direct seeded condition</b> J. Godwin Gilbert, S. Agalya Jasmin, S. Ramchander, K. Indira Petchiammal, R. Samundeswari and P. Dinesh Kumar	478-486
26.	<b>Exploring agro-morphological variation, genetic diversity, and trait associations in castor (<i>Ricinus communis</i> L.) genotypes</b> Yamanura, R. Mohan kumar, Prashanth. A. Sangannavar and B. Boraiah	487-495
27.	<b>Combining ability analysis for yield, yield attributes and quality traits in groundnut (<i>Arachis hypogaea</i> L.)</b> C. Suvarna, R.P. Vasanthi, K. Viswanath, C. Kiran Kumar Reddy and Y. Amaravathi	496-503

28.	<b>Genetic diversity and DNA fingerprinting of rice varieties of Manipur using microsatellite markers</b> I. Meghachandra Singh, Umakanta Ngangkham, Konsam Sarika, Yengkhom Sanatombi Devi, Thounaojam Seileshkumar Singh, T. Basanta Singh, Kh. Rishikanta Singh, E. Lamalakshmi Devi, Amit Kumar, Monalisa Nameirakpam, Umananda Arambam, Thokchom Diviya and Ramgopal Laha	504-514
29.	<b>The role of genetic divergence in determining heterosis in castor (<i>Ricinus communis</i> L.)</b> Shruthi Pullangari, K. Madhusudan, Yamanura and Ganesh Prasad	515-519
30.	<b>Association study of yield and its component traits in sugarcane seedlings</b> M. Vennela, Balwant Kumar and D. Dinesh Varma	520-525
31.	<b>Combining ability for yield and yield-associated traits in wheat (<i>Triticum aestivum</i> L.)</b> Afsar Ahmad and Rajesh Kumar Gupta	526-531
32.	<b>Principal component and correlation analyses study on fruit yield in cucumber (<i>Cucumis sativus</i> L.) genotypes</b> O.A. Umeh, I.S. Umeh, J.I. Ulasi, E.R. Keyagha and C.O. Cookey	532-537