

Contents

S. No.	Title	Page No.
Research Articles		
1.	Genetic variability and association analyses of morphological and biochemical traits in <i>Tamarindus indica</i> L. clones A. Mayavel, J. Padmanaban, A. Nicodemus, B. Nagarajan, C. Bagathsingh, M. Akshayasri, G. Radha Krishnan and M. Amaravel	801-809
2.	Genetic assessment in early clonal population in sugarcane (<i>Saccharum officinarum</i> L.) for productivity traits and resistance to foliar diseases B. Shivarudra, Sanjay B. Patil, P.K. Mallikarjun, H.G. Manoj Kumar and N.G. Hanamaratti	810-819
3.	Assessment of genetic variability in oat (<i>Avena sativa</i> L.) germplasm using agro-morphological traits and microsatellite markers Parameshwaran Mathavaraj, Prasanta Kumar Goswami, Seuji Bora Neog and Akhil Ranjan Baruah	820-831
4.	Optimizing rice (<i>Oryza sativa</i> L.) yield and lodging resistance using MGIDI and conventional selection indices Durga Prasad Mullangie, Kalaimagal Thiyagarajan, Manonmani Swaminathan, Sritharan Natarajan and Senthilkumar Govindan	832-842
5.	Genotypic variability for root nodulation and identification of high yielding chickpea (<i>Cicer arietinum</i> L.) genotypes Jyoti Kumari, Rafat Sultana, Zafar Imam, Mankesh Kumar and Reena Kumari	843-852
6.	Screening and marker trait association for salinity tolerance in rice (<i>Oryza sativa</i> L.) P. Hima Bindu, G. Shiva Prasad, R.M. Sundaram, K. Sumalini and C.H. Damodar Raju	853-860
7.	Assessment of heterosis and combining ability for fibre yield, its contributing and quality traits in <i>Bt</i> BGII upland cotton (<i>Gossypium hirsutum</i> L.) S.S.Deshmukh, K.S.Baig and Bhaarat Sharma	861-876
8.	Heterosis and inbreeding depression in Aus Rice (<i>Oryza sativa</i> L.) for yield contributing traits S.G. Sarna, Ekhlague Ahmad and A.K.M. Aminul Islam	877-884
Research Notes		
9.	Genetic variability, heritability and genetic advance in chrysanthemum (<i>Dendranthema grandiflora</i>) genotypes evaluated for loose flower production K. Vandana, V. Vijaya Bhaskar, A.V.D. Dorajeerao, P. Subbaramamma, M. Paratpara Rao and V. Sekhar	885-889

10.	Estimation of stress tolerance indices for identification of heat tolerant genotypes in barley Yogender Kumar, Suman Devi, Divya Phougat and Harsh Chaurasia	890-902
11.	Analysis of variability, heritability and trait association in four F₂ populations of <i>Gossypium hirsutum</i> L. K. Yaksha, S. Rajeswari, N. Premalatha and N. Manikanda Boopathi	903-911
12.	Genetic diversity and character association studies for agro-morphological and quality traits of advanced breeding lines in field pea (<i>Pisum sativum</i> L.) Kommineni Jagadeesh, C.S. Mahto, Niraj Kumar and H.C. Lal	912-920
13.	Inter-association and path coefficient analysis for yield and yield attributing traits in ash gourd [<i>Benincasa hispida</i> (Thunb) Cogn.] Hament Thakur and Vijay Kumar	921-926
14.	Combining ability and heterosis for grain yield and yield component traits in maize (<i>Zea mays</i> L.) V. Shasi Kiran Reddy, Digbijaya Swain, Saswaty Priyadarshini Sahoo, Arjun Kumar Agarwal, Devraj Lenka, Mihir Ranjan Mohanty and Mandakini Kabi	927-934
15.	Genetic divergence studies in little millet (<i>Panicum sumatrense</i> Roth. ex. Roem. & Schult) using D² statistics and molecular markers Kinal Patel, Arna Das, Dhrumi Dalsaniya, Hadassah Mamidipalli, Sanjith Vasala and Harshal E. Patil	935-943
16.	Study on genetics of yield component traits under salt stress in two rice crosses raised using honeycomb selection design C. Yoglakshmi, Rajan Isha Pearl, V. Vengadessan, J. Karthick and S. Thirumeni	944-951
17.	Genetic variability and association studies for yield and pre-harvest sprouting traits in greengram [<i>Vigna radiata</i> (L.) Wilczek] P.J.S. Pramod, N. Hari Satyanarayana, J. Sateesh Babu, K. Jaya Lalitha and V. Roja	952-961
18.	Analysis of genetic diversity in sesame (<i>Sesamum indicum</i> L.) germplasm lines based on agro-morphological traits and SSR markers Md Ashfaq, K. Jhansi Rani, D. Padmaja, Praduman Yadav and Usha Kiran Betha	962-971
19.	Genetic variability studies of diverse cashew (<i>Anacardium occidentale</i> L.) cultivars for growth and yield parameters in coastal zone of Karnataka Arati Yadawad, A.M. Maruthesh and K.Nishmitha	972-978
20.	Principal component analysis (PCA) as a genetic diversity tool to understand the variation of rice mutant culture S. Palaniyappan, P. Arunachalam, S. Banumathy and S. Muthuramu	979-985
21.	Genetic diversity studies for yield and physiological traits using principal component analysis in little millet T. Venkata Ratnam and L. Madhavi Latha	986-997