

Contents

S. No.	Title	Page No.
Research Articles		
1.	Elucidating the genetic potential of hybrids derived from elite maize (<i>Zea mays</i> L.) inbreds for economic traits under North-Western Himalayan condition Gaurav Sharma, Uttam Chandel, Sawan Kumar, Satish Kumar Guleria and Nimit Kumar	538-545
2.	Comparison of residual heterosis in F₂ and F₃ segregating generations of Indian Mustard [<i>Brassica juncea</i> (L.) Czern & Coss.] crosses Avralima Sarkar, Suvendu Kumar Roy, S. Vishnupriya, Moumita Chakraborty, Lakshmi Hijam, Naderla Umamaheswar, Sanghamitra Rout, Shivani Bharti, Bandan Thapa and Saikat Das	546-555
3.	Molecular diversiry studies among blackgram genotypes for yellow mosaic virus resistance V. Roja, J. Sateesh Babu, N. Hari Satyanarayana, G. Bindumadhavi, P. Kishore Varma, N. Kamakshi, B. Jyothsna, J. Pranaya, K. Sudhamani and M.V. Ramana	556-565
4.	Estimation of genetic components and assessing heterosis association with molecular markers in half diallel derived rice hybrids developed with landraces of NE India M. James, P. Magudeeswari, Bharati Lap, K. Lokeshkumar, Wricha Tyagi, Mayank Rai	566-573
5.	Exploring genetic variability in fodder quality of forage sorghum in the North – Eastern regions of India Partha Pratim Behera, Avinash Singode, B Venkatesh Bhat and Ramendra Nath Sarma	574-584
6.	Improving the process of identification of superior pearl millet populations using Genotype by Yield × Trait (GYT) biplot R. Papanna, V. K. Koraboyana, R. Kalakanti, P. Hemanth, B. N. Keerthi and S. K. Gupta	585-591
7.	Exploring the usefulness of drought tolerance indices in screening of maize inter-racial derivatives R. Jaishreepriyanka, R. Ravikesavan, K. Iyanar, D. Uma and N. Senthil	592-603
8.	Genetic inheritance studies in rice (<i>Oryza sativa</i> L.) for grain protein, quality and yield V. Bharali, S. Yadla, R. A. Fiyaz, V. S. Rao and A. K. Jukanti	604-611
9.	Elucidation of gene action and estimation of combining ability effects for fruit yield attributes and biochemical traits in brinjal (<i>Solanum melongena</i> L.) Kuldeep N. Dudhatra, Mukesh P. Patel, Mihir M. Pandya	612-620
10.	Organoleptic profiling for demand led breeding of eggplant (<i>Solanum melongena</i> L.) suitable for Kerala market Kasireddy Sivasankarreddy, Jiji Joseph and P.P. Thirumalaisamy	621-631
11.	Assessment of genetic variability, heritability and correlation in advanced breeding lines of bread wheat (<i>Triticum aestivum</i>) under heat stress condition D. M. Kiranakumara, Suma S. Biradar, B. Aishwarya, M. Akshaya and K. O. Swaroop	632-641

12.	Unveiling genetic basis of yield and salinity tolerance in rice (<i>Oryza sativa</i> L.) through insights from generation mean analysis K. Pravin Kumar, R. Pushpam and P. Jeyaprakash	642-649
13.	Identification of foxtail millet (<i>Seteria italica</i> (L.) P. Beauv.) genotypes for multi-season adaptability using GGE biplot analysis in Foothills of Nagaland D. Purushotama Rao and H. P Chaturvedi	650-659
14.	Stability analysis on elite genotypes of Indian Mustard (<i>Brassica Juncea</i> L.) in Terai Agro-Climatic Region Supratim Sadhu, Moumita Chakraborty, Suvendu Kumar Roy Amitava Mondal and Susmita Dey	660-670
15.	Identification of guar [<i>Cyamopsis tetragonoloba</i> (L.) Taub.] genotypes with wider adaptability to rainfed environments through stability analysis Manish Sharma, P. J. Patel, P. R. Patel and M. P. Patel	671-679
16.	Assessment stability and G x E interactions of baby corn hybrids for yield and yield contributing traits Sandeep Kumar Bangarwa, R. B. Dubey, Rubby Sandhu and Raval Kalpesh	680-688
17.	Deciphering the estimates of combining ability and heterosis for selecting superior parents and hybrids in rice (<i>Oryza sativa</i> L.) L. Krishna, Y. Chandra Mohan, T. Virender Jeet Singh, K. Sai Kylash, G. Prasana, K. Krishna, N. R.G Varma and R. Jagadeeshwar	689-700

Research Notes

18.	Impact of starch profile on glycemic index of coloured and non-pigmented genotypes of rice (<i>Oryza sativa</i> L.) B. Krishna Veni, D. Sandeep Raja, P. Sridevi and M. Tushara	701-707
19.	Genetic variability, diversity and principal component analysis in B and R lines of rabi sorghum [<i>Sorghum bicolor</i> (L.) Moench] K. O. Swaroop, G. M. Sajjanar, S. P. Sneha, C. D. Soregaon and B. O. Kiran	708-713
20.	Estimation of genetic variability and association of yield and related traits in indigenous grain amaranth (<i>Amaranthus hypochondriacus</i> L.) genotypes P. M. Savaliya, N. N. Prajapati, R. S. Solanki and Ravinder Kumar	714-719
21.	Marker assisted selection and genome recovery for heat tolerance in segregants of rice (<i>Oryza sativa</i> L.) V. Silpa, P. Sindhumole, Jiji Joseph, Deepu Mathew and Rose Mary Francies	720-729
22.	Inter and intra cross variability analysis in F₃ generation of mung bean [<i>Vigna radiata</i> (L.) Wilczek] P. K. Nayak, C. L. Khatik, M. Khan, Kailash Chandra, J. Lal, D. Tripathi, K.C. Verma and M.A. Khan	730-735
23.	Genetic diversity study and estimation of iron and zinc content in red sorghum genotypes (<i>Sorghum bicolor</i> [L.] Moench) Koppeti Vinodhini, T. Kalaimagal, D. Kavithamani and A. Senthil	736-741
24.	Multivariate analysis in chickpea genotypes under timely sown condition Karishma Behera, Anita Babbar, Shrikant Yankanchi, R. G. Vyshnavi	742-751
25.	Standardization of EMS doses for mutagenesis in strawberry (<i>Fragaria x Ananassa</i> Duch) cv. winter dawn Rahul R. Rodge, Rajni Rajan, Harjinder Kaur, Khan Jabroot and Kuldeep Pandey	752-757
26.	Selection parameters for the improvement of seed yield and attributes in cowpea (<i>Vigna unguiculata</i> L. Walp.) M. Gnanesekaran, P. Shanthi, M. Gunasekaran, K. Thiyyagu and A. Yuvaraja	758-764

27.	Combining ability and gene action analysis in okra (<i>Abelmoschus esculentus</i> L. Moench) Rajneesh Kumar, Manoj Kumar Pandey, Smita Kumari, Shambhu Chouhan and Aman Tutlani	765-772
28.	Heterosis and combining ability analysis for yield contributing traits and fibre quality in GMS based <i>G.hirsutum</i> L. x <i>G.barbadense</i> L. hybrids S. D. Sanmugapriya, N. Premalatha, A. Subramanian, N. Manikanda Boopathi and K. Gurusamy	773-781
29.	Study on gene action, combining ability and heterosis for different traits in Indian mustard (<i>Brassica juncea</i> L. Cxern & Coss) Bharath Kumar Margam and Nihar Ranjan Chakraborty	782-793
30.	Variability assessment and screening of superior rice (<i>Oryza sativa</i> L.) genotypes for grain micronutrients and yield components Bishwajit Kumar, M. K. Singh, Namata Kumari, Shalu Kumari, Banshidhar and Digvijay Singh	794-800