

<u>CONTENT</u>	<b>Page No.</b>
<b>GENETICS AND BREEDING</b>	
Interspecific Hybridization Between <i>Vigna radiata</i> and <i>Vigna mungo</i> Towards the Broadening of Genetic Base for MYMV Disease Resistance and Generating Variability <i>A. Mahalingam, N. Manivannan</i>	395
Breeding of a New Black Bean ( <i>Phaseolus vulgaris</i> L.) Cultivar with a High Yield and Upright Growth Pattern: Longyundou 19 <i>X.X. Meng, Q. Wang, Z.G. Yin, S.H. Wei, Y.F. Guo, W. Zhang, G.D. Yang</i>	403
Variability and Character Association for Yield and Quantitative Traits under Late Sown Conditions in Chickpea ( <i>Cicer arietinum</i> L.) <i>S.K. Jain, L.D. Sharma, K.C. Gupta, Vipen Kumar, M.R. Yadav</i>	408
Genetic Divergence in Sunnhemp [ <i>Crotalaria juncea</i> (L.)] <i>Desai Tarjani B., Madhu Bala, R.K. Patel</i>	413
Correlation and Path Coefficient Analysis for Seed Yield and its Attributing Traits in Blackgram [ <i>Vigna mungo</i> (L.) Hepper] <i>Rajwanti Saran, P.P. Sharma, Abhay Dashora</i>	417
<b>PLANT PHYSIOLOGY</b>	
Estimation of Hormonal Seed Treatments on Enzyme Activities after Accelerated Ageing (Artificial Ageing) in Chickpea ( <i>Cicer arietinum</i> L.) <i>Sachchida Nand Mishra, Neha Kumari, Namu Narayan Mishra, Kalpana Mishra</i>	421
Effect of Different Levels and Time of Application of Paclobutrazol on Morphology, Yield and Yield Attributing Characters and Economics of Groundnut ( <i>Arachis hypogaea</i> L.) <i>Subhrasini Lenka, Susanta Kumar Swain, Kartik Chandra Pradhan, Arabinda Dhal</i>	428
<b>PLANT BIOTECHNOLOGY</b>	
Integrative Analysis of miRNA and mRNA in Dormant Alfalfa under Different Growth States <i>Pengfei Shi, Wenna Fan, Yixin. Yang, Yaqi Shi</i>	432
<i>Agrobacterium tumefaciens</i> -Mediated Genetic Transformation of Green Gram [ <i>Vigna radiata</i> (L.) Wilczek] - A Recalcitrant Grain Legume <i>Aparna Priyadarshini Patra, Kailash Chandra Samal, Gyana Ranjan Rout, Simachal Sahu, Prem Narayan Jagadev</i>	440
Assessment of Seed Protein Quality of A Transgenic Chickpea Event Expressing Cry2Aa Protein <i>Rubi Gupta, Sumita Acharjee, Bidyut Kumar Sarmah</i>	447

**AGRONOMY**

Performance Indices of a Combined Tillage Machine for the Incorporation of Leguminous Green Manure at Appropriate Depth

*Aseem Verma, Rohinish Khurana, Anoop Dixit*

453

Influence of Tillage, Herbicide and Planting Delay on Nutrient Status and Yield of Cluster Bean as Replacement Crop Following Pearl Millet Stand Failure

*Manohar Lal, R.S. Yadav, S.P. Singh, M.L. Reager, Amit Kumawat*

463

Effect of Compaction and Irrigation Regimes on Soil Physical Characteristics, Emergence, Growth and Productivity of Summer Moongbean

*M.S. Kahlon, C.B. Singh, Madhu Dhingra*

473

Improving Bush Bean (*Phaseolus vulgaris* L.) Yield and Quality by Increasing Soil Nutrients with Organic Fertilizer

*Tat Anh Thu, Tran Hieu Hien, Vo Quang Minh*

482

Dynamic Response of Nitrogen Content to Moisture Variation in Soybean during the Whole Growth Period

*Xin Wang, Yumei Tian, Shibin Liu, Xiyue Wang, Zihao Wu, Shoukun Dong*

489

Influence of Irrigation Regimes on the Performance of Groundnut (*Arachis hypogaea*) under Intercropping Situation

*Syed Abul Hassan Hussainy, R. Brindavathy, R. Vaidyanathan*

496

Crop Establishment Methods and Moisture Mitigation Practices in Rice Fallow Blackgram for Productivity Enhancement in Cauvery Delta Zone of Tamil Nadu

*K. Subrahmanian, G. Senthil Kumar, E. Subramanian, M. Raju, P. Veeramani, V. Ravi*

502

**PLANT PROTECTION**

Identification of Races of *Fusarium oxysporum* f.sp. *ciceris*, Inciting Wilt of Chickpea in Andhra Pradesh and Parts of Telangana

*K. Venkataramanamma, B.V. Bhaskara Reddy, R. Saradajayalakshmi, V. Jayalakshmi, K.V. Hari Prasad*

506

Weed Management in Groundnut (*Arachis hypogaea* L.) with Phosphorus in Southern Rajasthan

*Harikesh Jat, M.K. Kaushik, J.L. Choudhary, V.K. Meena, S.K. Meena*

513

Occurrence and Distribution of Cluster Bean Diseases in Grid Region of Madhya Pradesh

*Rajni Singh Sasode, Pramod Kumar Fatehpuria, Pradyumn Singh, Ranjeet Singh Raghav*

519

**SHORT COMMUNICATION**

Production Potential of Short Duration Red Gram [*Cajanus cajan* (L.) Millsp.] in the Southern Laterites of Kerala

*G. Anjana Devaraj, Sheeba Rebecca Isaac*

525

Esteemed Reviewers of This Issue

530

Authors Index of This Issue

530-531

Keywords Index of This Issue

531-532