

Contents

Breeding Approach to Develop Climate Resilient Crops: Current Status and Future Prospects S. Nandakumar, G.J. Abhishek, D.D. Deepika, Sonu and Vikram Jeet Singh	1-8
Precision Agriculture in Mango Orchard: A Review Ashutosh Kumar, Shivali Sharma, Siya Sharma, Anurag Saurabh, Sakshi Mishra and Chahak Tandon	9-17
Effect of Sulphur and Bio-inoculants on growth, yield and quality of Blackgram (<i>Phaseolus mungo</i> L.) Atendra Kumar Gautam, Brajkishor Rajput, Balkrishna Namdeo, Dheerendra Singh and Ashok Kumar Verma	18-20
Economic Viability and Marketing Efficiency of Organic Jaggery Production Shreya S. Hanji, Shashi Kiran A. S., Akshatha S., Shankara M. H. and Meghana N.	21-26
Harnessing RNA-mediated Resistance to Combat yellow Vein Mosaic Virus in Okra G.J. Abhishek, D.D. Deepika, M.S. Jagadeesh, N. Nandkumar, G. Praveen Kumar, T. Danakumara, V. Celia Chalam and Rajneesh Kumar	27-37
Estimating the Price volatility of Major Pulse crops in Karnataka by GARCH (Generalized Autoregressive Conditional Heteroscedasticity) model Shreya S. Hanji, Akshatha S., Meghana N., Karthik V.C. and Godavari	38-42
Harnessing Epigenetics for Stress Resilience in Wheat and Maize P.N. Vinodh Kumar, Sahana Police Patil and G.M. Keerthi	43-49
Correlation, Path coefficient and Discriminant function analysis in F ₃ Segregants of Yardlong bean (<i>Vigna unguiculata</i> ssp. <i>sesquipedalis</i> L. Verdcourt) Raja Sekhar Reddy Noru and Beena Thomas	50-56
Advancements in Maize Biofortification: Enhancing Nutritional Quality Through Breeding G.M. Keerthi, P.N. Vinodh Kumar and Sahana Police Patil	57-64
The Strawberry Handbook: Advanced Methods for High yield Farming Megha Raghavan, Deepak Singh, Manju Kumari, Stutigeet Khanikar, Shubham Jain, Pasupuleti Venkata Siva Prasad, Vankar Sowgandhika and Alok Kumar	65-72
Genetic Variability and Association Studies in Grain Sorghum (<i>Sorghum bicolor</i> L. Moench) Kartik Shivanand Angadi and G. Somu	73-78
Evaluation of the Optimal Extraction Method between Hot and Cold extraction for <i>Plumeria pudica</i> Jacq. Kavan Shukla, Kunal Odedra and B.A. Jadeja	79-85
Determination of Mineral and Trace Elements in Temi Tea (<i>Camellia sinensis</i>) Samples from Sikkim, India Guddu Rai	86-90
Economic Competitiveness of Organic Sugarcane in Bagalkote District of Karnataka India Shreya S. Hanji, Shashi Kiran A.S., Akshatha S., Meghana N. and Karthik V.C.	91-97
Assessment of Nutritional and Quality Characteristics of Vegetable Soybean (<i>Glycine max</i> L. Merrill) Genotypes Kanneboina Soujanya, T. Supraja, Aparna Kuna, Ramakrishnan M. Nair, S. Triveni and Yogendra K.	98-110
Comprehensive Diversity Assessment of Proso Millet (<i>Panicum miliaceum</i> L.) Germplasm accessions T.E. Nagaraja, Sujata Bhat, I. S. Tilak, D.N. Vinutha, J. Meenakshi and Chetana	111-117
The Role of Leaf Angle in Maize: Effects on Productivity and Resilience to Environmental Stress Sahana Police Patil, Vinodh Kumar P.N., Keerthi G.M. and Yashaswini R.	118-122
Optimization of Season and Growing Conditions for Maximizing Success of Tamarind Softwood R. Praveenakumar, C. Suneetha, S. Yuvaraj, P. Krishnamma, T.R. Sunitha and K. Sandya	123-126
Varietal Response and Their Effects on Various Cane Characteristics due to Sugarcane wilt disease induced by <i>Fusarium sacchari</i> Piyush Kumar, Md. Minnatullah, Sudhir Paswan, Kumar Suman, Chetan Chopra and Masoom Ali	127-135
Developmental Shifts in Symbiotic Bacterial Composition and Abundance in <i>Spodoptera frugiperda</i> (Lepidoptera: Noctidae) Godavari, M. Thippaiah and K.C. Arpitha	136-142
Future Directions in Wheat Improvement: The Impact of Genomic Selection P. N. Vinodh Kumar, Sahana Police Patil and G. M. Keerthi	143-148
Analysis of Price Volatility of Major Cereals Crops in Karnataka by GARCH (Generalized Autoregressive Conditional Heteroscedasticity) Model S. Hanji Shreya, S. Akshatha, V. C. Karthik, N. Meghana and Godavari	149-152

Super Hybrid Rice breeding to Break the Yield Plateau: Approaches and Prospects	S. Nandakumar, G. J. Abhishek, D. Deepika, Sonu and Vikram Jeet Singh	153-159
Assessment of Gene Combination Effects for Yield related Traits in Long duration Pigeonpea (<i>Cajanus cajan</i> L. Mill sp.)	Ashutosh, Anurag Tripathi, Km Pratiksha, Monu Kumar, Sudhir Kumar Jha and M.N. Singh	160-166
Studies on Integrating Inorganic Nutrients and Biofertilizer application on the Performance of Sweet Orange cv. Malta in the Gangetic Alluvial soil of West Bengal India	Aranyak Banerjee, Waris Habeeb, Madhumita Basu, Shubham Jain, Md. Abu Hasan and Sumana Balo	167-172
Growth, Yield and Quality of Snake Gourd (<i>Trichosanthes cucumerina</i> L.) Varieties as Influenced by Pruning Practice	Manoj H.M., Jumi Saikia, Reecha T. Das, Tanishka Saikia and Newton Brahma	173-179
Population Build-up of Pea Pod borer (<i>Etiella zinckenella</i>) in Relation to Weather Parameters during Rabi season	Vimal Kumar, Pradeep Kumar, Abhishek Kumar Chaudhary, Balwant Yadav and Ankit Singh	180-182
Seasonal Incidence of Rice Gall Midge, <i>Orseolia oryzae</i> (Wood-Mason) and its Correlation with Weather Factors	I. Paramasiva, Ch. Sreelakshmi, P. Madhusudhan, S.K. Sameera and U. Vineetha	183-188
Exploring Heat Tolerance in Bread Wheat: Implications for Climate Resilience	Babulal Dhaka, D.K. Gothwal, S.S. Rajput, Sunita Gupta, D.K. Jajoria, M.K. Sharma and R.R. Choudhary	189-196
Biochemical Analysis of Sorghum in Context to Salinity Tolerance at Pre-Flowering Stage under Field Condition	S.V. Bhosale, A.A. Kale, U.S. Dalvi, P.K. Lokhande, S.R. Shelke, and S.B. Narale	197-202
Correlation and Path Analysis for Seed Yield and its Component Traits in Indian Mustard (<i>Brassica juncea</i> L. Czern and Coss.)	Jarman Gadi, Nihar Ranjan Chakraborty and Zafar Imam	203-210
Screening of Yardlong bean (<i>Vigna unguiculata</i> sub sp. <i>sesquipedalis</i>) Genotypes under Coastal Region of Karaikal, India	J. Sherly, S. Sumithra, V. Kanthaswamy and K. Manojkumar	211-217
Influence of different Crop Establishment Methods and Irrigation Scheduling on Yield and Economics of Rice (<i>Oryza sativa</i> L.)	P. Nandini, K. Avil Kumar, M. Goverdhan, T. L. Neelima, K. Chandrasekar and T. Ram Prakash	218-224
Hydrological Challenges in Kole Lands: Investigating Canal Water Loss Dynamics	B.J. Chethan, Shyla Joseph, K.K. Sathian, Asha Joseph, K.P. Rema and Anu Varghese	225-233
Effect of Nutrients Foliar Application on Growth and Yield of Chickpea (<i>Cicer arietinum</i> L.)	V.S. Kirnapure, A.A. Choudhary, A.N. Gawate and S.A. Ambore	234-236
Effect of Nutrient Management and Crop Establishment Technique on Productivity and Economics of Indian Mustard in Laterite Soil of West Bengal, India	Bipasha Halder, Sk Naim Aktar, Maksud Hasan Shah and Kalipada Pramanik	237-247
Studies on morphological changes in Tuberose (<i>Agave amica</i>) cv. Bidhan Snigdha with application of gamma radiation and ethyl methane Sulphonate (EMS) under Prayagraj Agro-climatic Conditions	Mansi Mishra and Urfi Fatmi	248-250
Evaluation of Drought Tolerance in Pulses by Assessing PS-II Efficiency and Leaf Greenness under Moisture Deficit Stress	Arumugam Tamilselvan, Mahesh Kumar, A. Krishnaveni and Jagadish Rane	251-256
Cultural and Morphological Variability in <i>Colletotrichum capsici</i> causing Fruit Rot of Chilli	D.M. Gayakwad and Rajesh R. Waghunde	257-260
Delineation of Genotype × Environment Interaction for Identification of Stable Rice Hybrids for Telangana State, India	Y. Chandra Mohan, L. Krishna, S. Sridhar, B. Satish Chandra, P. Madhukar, V. Sridhar, K. Sai Kylash, T.V.J. Singh, E. Sudhishna, E. Santosh Kumar and P. Raghu Rami Reddy	261-268
A Decision Tree Approach to Glycemic Index Estimation in Rice Based on Hydrolysis Profiles	C.K. Mohammed Salman, Anil Dahuja, Archana Singh and Veda Krishnan	269-274
A Roadmap for Sustainable Bitter Gourd (<i>Momordica charantia</i> L.) Breeding: Leveraging Genetic Diversity and Exploiting Heterosis	Anita Verma and Alpana Joshi	275-288
The Future of Seed Quality Analysis: Multispectral Imaging as a Non- Destructive Tool	Ankita Thakur, N.K. Bharat, Arshi Sultanpuri, Rajender Sharma, Rohit Verma, Priyanka Thakur and Kranti Pawar	289-294
Evaluation of Rabi Onion (<i>Allium cepa</i> L.) Genotypes for Yield Characters	S.J. Ramteke, B.T. Patil, K.N. Dahatonde and S.R. Shinde	295-302
Artificial Screening of selected Blackgram Genotypes against Yellow Mosaic Disease (YMD) under Glasshouse conditions	C. Raghu Prasad, K.V. Hari Prasad, G.S. Panduranga and L. Geethanjali	303-308

Studies on Genetic Variability and Heritability for yield, yield attributes along with Fiber related Traits in upland Cotton (<i>Gossypium hirsutum</i> L.)	
Vijay, B.R. Patil, S.K. Deshpande, M.G. Hegde, Aishwarya B., Arvind B., Harisha, Dhanalaxmi and Suhas B.	309-313
Studies on Correlation and Path coefficient analysis in Okra (<i>Abelmoschus esculentus</i> L. Moench)	
Antara Maurya, Saurabh Singh and Anurag Singh	314-318
Utilization of nutrients by blackgram (<i>Phaseolus mungo</i> L.) applied with sulphur and biofertilizers	
Atendra Kumar Gautam, Brajkishor Rajput, Balkrishna Namdeo, Dheerendra Singh and Ashok Kumar Verma	319-322
Garrett Ranking Analysis for Constraints Faced by Dairy Farmers in Maharashtra, India	
Benke Seema Raghunath and Yogesh Kumar Agarwal	323-328
Effect of Seaweed Extract on growth, yield Attributes and Nutrient uptake of Carrot (<i>Daucus carota</i> L.)	
V. Sai Kavya, Y.S. Parameswari, M. Venkateswara Reddy and B. Anila Kumari	329-332
Effect of different cotton genotype, nutrient management and canopy management practices on nutrient status of soil in <i>Bt</i> cotton under drip irrigated	
Avinash Gawate, S.U. Kakade, N.D. Parlwar and S.A. Ambore	333-339
Comparison of fatty acid compositions and micronutrient profile of advanced breeding lines of linseed (<i>Linum usitatissimum</i> L.)	
Naresh Kumar, Vijay Kumar, Sanjula Sharma and Sandeep Kumar	340-344
Perception of Tribal Farmers Towards Development in Melghat Region of Maharashtra, India	
Monal Takote, Balakdas Ganvir, Vanita Khobarkar, Dilip Mankar, Amrapali Akhare and Rajendra Walke	345-350
Evaluation of F ₃ progenies for yield contributing and drought tolerance related traits in soybean	
C.S. Shinde, R.Y. Patil, V.P. Chimote, M.P. Deshmukh, G.C. Shinde and S.D. Shinde	351-361
Influence of Growth Regulators on Callus Induction in a local cultivar of Cucumber (<i>Cucumis melo</i>) hybrid through Anthers Culture	
P. Prajwala, Rekha Chittapur, G. Prabhuling, Namitha Raut and Mallikarjun Awati	362-366
Assessment of genetic diversity and population structure analysis in elite maize (<i>Zea mays</i> L.) inbreds adapted to North Western Himalaya	
Kajal Mehra, Uttam Chandel, Nimit Kumar, Isha Goswami and Shailaja Godara	367-377
Physiological seed quality of Onion cv. Palam Lohit as influenced by pelleting	
Palak Sharma, Manish Kumar and Rohit Verma	378-382
Vegetation in the Dades Basin and the challenges of climate change	
Farida Ouzdi	383-388
Estimation of heterosis on earliness and growth attributes of bottle gourd (<i>Lagenaria siceraria</i> Molina Standl.) in distinct three environments	
Subhash Verma, R.B. Verma, Ajay Bhardwaj and Anand Kumar	389-400
Improving Fruit Quality Characteristics and Yield of Guava (<i>Psidium guajava</i> L.) with Micronutrient Management	
Anjali Bagal, Nirmal Sharma, Parshant Bakshi, Mahital Jamwal, Amit Jasrotia, Neeraj Kotwal, S.K. Chaudhary and Raj Kumar	401-407
Estimate of Correlation and Path coefficient analysis for economic traits in fenugreek (<i>Trigonella foenum-graecum</i> L.)	
Archana Upadhyay, Neetu, S.V. Dwivedi, D.K. Singh, M.K. Singh and Kalyan Singh	408-414
Efficacy of zinc application on Growth, yield and quality attributes of Strawberry (<i>Fragaria × ananassa</i> Duch.) cultivars	
Bhagyalaxmi Pahi and Chandan Kumar Rout	415-420
Effect of nano formulated nitrogen and phosphorus fertilizers on growth and yield in cucumber	
M. Praneetha, A.R. Kurubar, Ravi Pujari and K. Patil	421-426
Studies on the efficacy of post-emergence herbicide for controlling weed flora in barley (<i>Hordeum vulgare</i> L.)	
Md. Parwaiz Alam, Priyanka Kumari, Md. Naiyar Ali, Satish Kumar Pandey and Sangita Bharti	427-433
Effect of Different Fruit Peel Powders as Natural Manures on Growth and Yield of Okra (<i>Abelmoschus esculentus</i> L.)	
Pranjal Raikwar, Harpal Singh, Rashmi Nigam and Abhishek Kumar	434-440
Advances in Biotechnological intervention in fruit crops: A Review	
Rushikesh M. Bhusari, Sunil D. Patil, Jitendra K. Dhemre and Chetan Shinde	441-450
Growth and flower production of annual chrysanthemum (<i>Glebionis coronaria</i> L.) under different planting dates and spacing	
Urwind Kumar, Tanya Thakur and Arushi Garg	451-456
Effect of Different Coloured Pulp and Sugar Concentrations on Preparation of Dragon Fruit Jam	
Namrata A. Khairkar, U. A. Raut, Shashwat P. Mahalle, S. R. Dalal, Kaustubh Y. Deshmukh and Anjali D. Giri	457-464

Effect of Organic Manure in Growth and Yield Attributing Traits of <i>Beta vulgaris</i> Var. <i>bengalensis</i> Hort. under Foot Hills of Himalayan Plains	Okenmang Jamoh,	
	Deepa B. Phookan, Ansunam Tomar, Shubham Maurya, Kangkanath Nath and Masoom Mohanty	465-468
Estimates of Genetic variability of tomato genotypes for physiological, nutritional and biochemical parameters	Ravi Prakash Rai, S.S. Singh, Arya Kumar, Neel Kaml Pandre and Amit Vikram Gangele	469-475
Clustering and genetic divergence analysis among bread wheat genotypes under heat stress conditions	Jogender Beniwal, Krishan Kumar and Rajesh Kumar Arya	476-482
Genotypic Stability in Double Haploid Lines (Dh) of Ornamental Kale (<i>Brassica oleracea</i> var. <i>acephala</i> Dc.) for Key Floricultural Traits	Mast Ram Dhiman, Raj Kumar, Chander Parkash and Sandeep Kumar	483-488
Improving the shelf life of jackfruit bulbs by optimizing different pretreatments during storage	Suma H. Budnimath, A.G. Babu, S.L. Jagadeesh and M.D. Jameel Jhalegar	489-497
Effect of Tillage and Herbicide (Pretilachlor) application on Physico-Chemical Properties of Soil in Winter Rice	Dipankar Sonowal, Kaberi Mahanta,	
	Anjuma Gayan, Dhruvajoti Nath, Khagen Kurmi, Britan Rahman, Lolesh Pegu and Sanchita Brahma	498-502
Exploring Genetic Diversity in Onion Genotypes: A Detailed Assessment	Pushpa Hulagannavar, Bapurayagouda Patil, Raghavendra Gunnaiah, Sarvamangala Cholin and Ambresh	503-506
Genetic Analysis of Rabi Onion (<i>Allium cepa</i> L.) Genotypes: Variability, Heritability, and Genetic Advance in the New Gangetic Alluvial Plains of West Bengal India	Bandari Naresh, Umesh Thapa, Balagoni Maruthi and Dachani Sruthi	507-512
Evaluation for growth and yield traits performance of bush type French bean (<i>Phaseolus vulgaris</i> L.)	H.S. Madhushree, Kapil Patil, A.R. Kurubar, Shekharagouda Patil and B.V. Temburne	513-517
Genetic Variability, Correlation and Path Coefficient Studies in Interspecific BC ₂ F ₂ Population in Chilli	Pragnya Singh Grover, B.V. Temburne, V. Hanumanth Nayak, Suvarna, B. Rajanna, Gururaj Sunkad, R. Somaraju and S.N. Manoj	518-522
Impact of Different Mulching Strategies on Weed Dynamics and Economics of Rainfed Potato	Priyanka Kakati, Hridesh Harsha Sarma,	
	Harihar Chandra Bayan, Ratna Kinkar Goswami, Digambar Sarma, Dipannita Patgiri and Arunima Goswami	523-528
Studies on nature of gene action and heritability in muskmelon (<i>Cucumis melo</i> L.)	Mayuri R. Kharade, V.S. Jagtap and N.V. Mane	529-534
Studies on nature of gene action and heritability in ridge gourd (<i>Luffa acutangula</i> L. Roxb.)	N.V. Mane, V.S. Jagtap, M.R. Kharade and P.J. Karande	535-539
Economics for Managing Fusarium Wilt caused by <i>Fusarium oxysporum</i> Schlecht in Isabgol (<i>Plantago ovata</i>)	Shaik Munnysa, R.N. Bunker and Smriti Akodiya	540-544
Changes in Fruit Quality of Low Chilling Peach (<i>Prunus persica</i> L. Batsch.) during Maturity	Pawan Kumar, Sanjay Sahay, Mahital Jamwal, Nirmal Sharma and Arti Sharma	545-550
Evaluation of fruit morphology of indigenous Ber (<i>Ziziphus mauritiana</i> Lamk.) at Bemetara district of Chhattisgarh, India	Yamini, Prabhakar Singh, A.K. Singh, Ajay Singh, Aditya Gaurha, Varsha Minz and Maksudan	551-556
Screening of chilli genotypes against chilli anthracnose caused by <i>Colletotrichum capsici</i>	Vandana, N. Thammaiah, M.P. Basavarajappa,	
	Noorulla Haveri, I.B. Biradar, H. Ramanagouda, Raveendra S. Jawadagi and Prabhudeva S. Ajjappalavara	557-562
Heterosis analysis for seed yield and biochemical attributes in pigeonpea (<i>Cajanus cajan</i> L. Millsp.)	Hitesh Kumar Koli, S.C. Sharma, N.R. Koli, M.K. Sharma, C.B. Meena, R.K. Meena and Kamal Kumar Sharma	563-570
Development and Validation of Molecular Markers for fresh seed dormancy in groundnut (<i>Arachis hypogaea</i> L.)	Rajeshvari I. Rathava, Sangh Chandramohan, H.P. Gajera, S. B. Bhatt and M.S. Shitap	571-584
Population density of predators of Diamondback moth (<i>Plutella xylostella</i> L.) at Sabour Bihar India	Ankit Anand, Nawazish Ahmad, Sandeep and Amit Kumar	585-588
Effect of Nano Urea on Growth, Yield and Economics of Pearl millet	Manjunath, K.A. Hiremath and Likhita Nekkanti	589-598
Biomass allocation and carbon stock of existing Agroforestry system in mid-hills of Himachal Pradesh, India	Rupinder Kaur, Preeti Handa, Manish Chauhan, Komal Sharma, Shikha Bhagta and Sunil Puri	599-604
Genetic Variability, Correlation and Path Analysis Studies in Bush Type French Bean (<i>Phaseolus vulgaris</i> L.)	H.S. Madhushree, Kapil Patil, A.R. Kurubar, Shekharagouda Patil and B.V. Temburne	605-609

- Studies on the effect of fruitlet thinning on fruit drop, color and other physical quality of plum cv. Kala Amritsari
Parveen, R.P.S. Dalal, Anita Kumari and Chetna 610-618
- Analysing Challenges in Maize Marketing in Katihar District of Bihar Using Garrett's Ranking Technique
Praveen Kumar Mandal, Ranvir Kumar, S.M. Rahaman and Suman Kalyani 619-622
- Evaluating the Role of Integrated Nutrient Management in Enhancing cob characteristics and Productivity of Maize (*Zea mays* L.)
Sanjay Kumar, Joy Dawson, Hemant Kumar and Shailendra Kumar Singh 623-628
- Impact study on Integrated Nutrient Management in Tomato through Front-Line Demonstration in Peddapalli district of Telangana, India
Y. Venkanna, A. Srinivas, T. Vinod Kumar, B. Navya, K. Archana, B. Naresh and D. Vijaya 629-634
- Conservation Agriculture: Effect on Crop Yield, Soil Health and Carbon Sequestration in Indian Soils
Anil Kumar, Chinmoy Deori, D. Divya, Gautam Veer Chauhan, Rahul Pradhan, Mohit Kashyap, A.P. Singh and Neelakshi Sharma 635-646
- Effect of Different Dosages of Nitrogen and Foliar Application of Zinc on Growth and Yield of Hybrid Bt Cotton (*Gossypium hirsutum* L.)
Harvinder Singh, Satdev, Dinesh Kumar, Parvinder Kaur and Pawan Kumar 647-652
- Evaluating Correlation and Path Coefficient Analysis in Advanced Breeding Lines of Rice (*Oryza sativa* L.) for Improved Productivity
Janaki Venkata Yashwanth, P. Shanthi, M. Reddi Shekar, P. Lavanya Kumari and Lakshminarayana R. Vemireddy 653-662
- Enzyme-Linked Immunosorbent Assay for Protein Detection in Cotton: A Qualitative Approach
Vividha M. Sirsat, D.T. Deshmukh, S.B. Sakhare, N.V. Kayande, D.R. Rathod, S.B. Deshmukh, Rushikesh Giri and Karan Nawalkar 663-667
- First report of 16SrII-I subgroup of phytoplasma associated with phyllody disease of *Parthenium hysterophorus* in India
Atul Kumar and Somnath Kadappa Holkar 668-670
- Evaluation of ridge gourd genotypes for growth, yield and its attributing traits
Priyanka Jalindar Karande, Makhan Lal, D.S. Duhan, Nagnath Vilas Mane and Sonia 671-680
- Pearl Millet and its Processed Products: A Review
Rashmi Singh 681-687
- Studies on the Qualitative Composition of Insect Pests and Population Dynamics of Bud Fly (*Dasyneura lini* Barnes) on Linseed (*Linum usitatissimum* L.)
Mangesh Soni, Akhilesh Kumar, Manish Jirati, Smita Singh, A.K. Patel and Neha Sharma 688-692
- Morphological characterization of ridge gourd genotypes for DUS traits
Priyanka Jalindar Karande, Makhan Lal, Nagnath Vilas Mane and D.S. Duhan 693-700
- Effect of Integrated Nitrogen Management on Growth and Economics of Dwarf Rice bean (*Vigna umbellata*) under Rainfed Condition
Saithala Mounika, Edwin Luikham, K. Nandini Devi, N. Surbala Devi, N. Gopimohan Singh, Ganjare Rupesh and Shandhini J. 701-704
- Piriformospora indica* augments growth, root development and early flowering in chilli (*Capsicum annum* L.) plants
Elizabeth T. Jojy, Joy Michal Johnson, Sajeena A., Rafeekher M., Radhakrishnan N.V. and Ambily Paul 705-713
- Effect of Plant Density and NPK Dose on Yield Attributes of Cape Gooseberry (*Physalis peruviana* L.)
G. Bhrijavasi, P. Vinaya Kumar Reddy, M. Madhavi, S. Narasimha Rao and D. Salomi Suneetha 714-718
- Effect of Herbicidal Weed Management on Growth attributes of Groundnut
Prerna Hinge, A.P. Karunakar and V.V. Goud 719-724
- Screening and Evaluation of *Solanum* species To Observe Potential Rootstocks for the Management of *Meloidogyne incognita* in Tomato
Nikita Das, Bhabesh Bhagawati, Nibedita Borgohain, Dipankar Haloi and Uday Kurulkar 725-728
- Bridging the Gap: The Role of Agricultural Extension in Knowledge Transfer and Rural Development
Neelam Jaiswal, Pallabi Phukan, P.A. Ramsem, Dileep Vyas, Geeta S. Tamgale, Atul Kumar Verma, Gurpreet Singh, Rajni Kumari, Nilay Kantilal Ribadiya and Jaspreet Singh 729-740
- Performance of Chilli (*Capsicum annum* L.) Genotypes for Yield and Yield Attributing Traits
Puli Vijaya Babu, Nagappa Desai, Kavita Kandpal, T.S. Manjunatha Swamy and K.B. Palanna 741-746
- Influence of Inorganic and Organic Nutrients on Flowering and Quality of China Aster (*Callistephus chinensis* L. Nees) cv. Kamini
G. Nithishkumar and R. Sendhilnathan 747-752
- Evaluation of Chilli (*Capsicum annum* L.) Genotypes for Leaf Curl Virus Resistance Source Through Field Screening
Puli Vijaya Babu, Nagappa Desai, Kavita Kandpal, T.S. Manjunatha Swamy and K.B. Palanna 753-756
- Bio-efficacy evaluation of herbicides alone and mixtures on weed dynamics, growth, yield and economics of soybean (*Glycine max* L. Merrill) and their residual effect on succeeding wheat
Uditi Dhakad, Chaman K. Jadon, S.L. Yadav and S.N. Meena 757-763

- Evaluation of Mulching Strategies on Growth Performance and Yield of Rainfed Potato
Priyanka Kakati, Hridesh Harsha Sarma, Harihar Chandra Bayan, Digambar Sarma, Ratna Kinkar Goswami, Shobha Dutta Deka, Shriya Devi, Dipannita Patgiri and Arunima Goswami 764-768
 Effect of humic acid concentrations on vegetative, floral attributes and economics of chrysanthemum (*Dendranthema grandiflora* Tzvelev) var. Garden Beauty under hilly condition of Uttarakhand India
- Nikita Rawat, Mamta Bohra, Yogendra Singh Adhikari, K.C. Singh, Abhijeet Rawat, Megha S. and Pooja Karki** 769-776
 Effect of Various Level of Nitrogen and Sulphur on Growth and Yield of Late Sown Wheat (*Triticum aestivum* L.)
- Parvinder Kaur, Satdev, Harvinder Singh and Pawan Kumar** 777-780
 Survey for the severity of chilli anthracnose in different chilli growing districts of Karnataka, India
- Vandana, N. Thammaiah, M.P. Basavarajappa, Noorulla Haveri, I.B. Biradar, H. Ramanagouda, Raveendra S. Jawadagi and Prabhudeva S. Ajappalavara** 781-786
 Multi-Trait Breeding for Pest Resistance, Yield and Stress Tolerance in Field Crops: A Review
- Indiragandhi Pandiyan, Sandeep Govindappa Shinde, Ambika More, Mouli Paul, Gurpreet Singh, Rughwinder Kaur, Shreya Patyal, Yogita Thaper and Harpreet Singh** 787-798
 Survey and Surveillance on Alternaria Blight of Mustardin Grid Region M.P., India
- Babli, R.K Pandya and Manoj Kumar Ahirwar** 799-802
 Pest Damage and Management Strategies for Groundnut (*Arachis hypogaea* L.) Cultivation: A Comprehensive Overview
- P.N. Chaudhary, M.R. Dabhi, B.R. Desai, D.H. Patel and C.S. Salina** 803-808
 A Comprehensive Study on Papaya Cultivation: A Review
- Aranyak Banerjee, Himanshu Chawla, Kishan Singh, Ravi Pratap Singh, Devi Singh, Gargi Shekhar, Vivek Kumar and Sakshi Mishra** 809-816
 Influence of Bio-Regulators and Air-Layering Season on the Propagation Efficiency of Jackfruit (*Artocarpus heterophyllus* Lam.)
- Krishan Kumar Singh** 817-820
 Effectiveness of Disease-free Planting Materials of Citrus in Improving Yield and Farmers' Income in Vidarbha Region of Maharashtra, India
- Sangeeta Bhattacharyya, Arnab Roy and Samrat Sikdar** 821-825
 Effect of Sulphur and Sowing Date on Growth and Yield of Rapeseed (*Brassica campestris* L.)
- Amrinder Singh, Satdev, Dhrampreet Singh and Robin Singh** 826-830
 Influence of Maize Crop Residue Management Practices and Fertility Levels on Growth, Yield Attributes, Yield and Economics of Rabi Maize in a Maize-Maize Cropping System under the Peninsular Zone
- P. Madhukar Rao, E. Rajanikanth, G. Manjulatha, P. Ravi, D. Sravani, G. Usha Rani and A. Vijayabhaskar** 831-840
 A Comparative Study of Weed Management Practices and Their Effects on Growth and Yield of Wheat (*Triticum aestivum* L.)
- Pawan Kumar, Satdev, Harvinder Singh and Parvinder Kaur** 841-846
 Relative efficacy of different source of organic materials combined with inorganic source of nitrogen on Physiological parameters and yield of maize in maize-mustard cropping system under sandy loam soils of Telangana, India
- P. Madhukar Rao, G.E.CH. Vidya Sagar, K. Suresh, G. Padmaja and S. Narendra Reddy** 847-855
 Evaluation of Nutrient Management Practices for Enhancing Productivity of Wheat (*Triticum aestivum* L.)
- Robin Singh, Rakesh Kumar, Dhrampreet Singh and Amrinder Singh** 856-860
 Climate Resilient Strategies for Sustainable Water Resource Management in Agriculture: A Review
- Guddu Rai and Sujata Upadhyay** 861-868
 Therapeutic potential of amla and cinnamon bark in diabetes mellitus: a phytochemical and mechanistic perspective
- P.S. Laxmi, Saji Gomez, Anu Mary Markose, V.M. Chandrashekhar, K.T. Suman and Berin Pathrose** 869-881
 Integrated Management of Cucumber Mosaic Virus Disease of Pumpkin in Assam, India
- S. Shobnur, R. Mishra, P. Rajkumari, B. Bora and M.K. Kalita** 882-886
 Correlation and path analysis of morphological and physiological traits with yield in tomatoes: insights from *Solanum lycopersicon*
- Ch. Durga Hemanth Kumar, L. Narm Naidu, M. Ravindra Babu, A. Rajani, K. Gopal and Paratpara M. Rao** 887-892
 Effect of Organic Sources of Nutrients on Performance, Nutrient uptake and yield of Rainfed Cotton in Vertisols under Semi arid Condition
- Monika S. Bhavsar, V.V. Gabhane, M.M. Ganvir, R.S. Patode, S.M. Bhojar and S.D. Jadhao** 893-898
 Influence of growth retardants on growth and flowering of crossandra (*Crossandra infundibuliformis*) under field conditions
- Meghana K., D.V.S. Raju, A.V.D. Dorajee Rao and P. Subbramma** 899-903

Effect of Integrated Nutrient Managements on Economic Feasibility of African Marigold (<i>Tagetes erecta</i> L.) cv. Pusa Narangi Genda	Rajmani Singh, Sutanu Maji, Ankit Kumar Goyal and Sudhanshu Verma	904-908
Exploring Yield and Yield-attributing Traits in Sesame (<i>Sesamum indicum</i> L.): A Character Association and Path Coefficient analysis	Tushar Arun Mohanty, Ashwani Kumar, Satish Kumar Singh, Digvijay Singh and Nitesh Kushwaha	909-919
Effect of Sulphur, Zinc and Boron Fertilization on Sugarcane Growth, Yield, Sugar Recovery and Quality of Cane Juice and Jaggery	Ashutosh Kumar, Chandan Kumar Jha, Govind Vishwakarma and Surbhi Gautam	920-924
Vulnerability Assessment of Different tahsils of Southern region of Western Maharashtra, India	Dhanaji M. Sawant, Aasman M. Khobragade and Omkar D. Rajmane	925-934
Response of NAA, 2, 4-D and CCC on growth, Flowering and yield of Chilli (<i>Capsicum annum</i> L.) cv. Kashi Ratna	Amitesh Prajapati, Ankit Singh, Shashi Bala, Shivraj Kumar Verma and Suraj Luthra	935-938
Effect of a combination fungicide trifloxystrobin 25% + tebuconazole 50 % - 75 WG in tomato early blight management	Noorulla Haveri, Shashidhar K. R., M. Abdul Kareem, K. Thulasiram and Umesh Naik	939-943
Effect of bio-enhancers and bio-fertilizer on Soil parameters and Microbial population	Satyarth Sonkar, V. K. Tripathi, Anil Kumar, Amit Kumar and Utkarsh Upadhyay	944-948
Nutritional and food security through pulses in India: A review	K. Bhargavi and R. Naseeruddin	949-952
Efficacy of higher plant products in management of storage fungi and aflatoxin B ₁ production responsible for post-harvest deterioration of herbal raw materials: A Review	Priyanka Singh, Bhanu Prakash and Nawal Kishore Dubey	953-960
Comparative evaluation of soil properties in response to different nutrient management options and basmati rice varieties in western Uttar Pradesh, India	Ashutosh Kumar Rai, U.P. Shahi, B.P. Dhyani, Aditya Kumar, Ashishnath and Adesh Singh	961-966
Improvements in fruit breeding and genetic modification for higher yields, improving fruit quality and disease resistance: A Review	Bhupendra Kumar, Saloni Singh, Madhuri Pradhan, Indiragandhi Pandiyan, Meera Tambe, Santosh Kumar Vishwakarma, Vijaykumar T. Kore, Shivendra Singh, Akhilesh Sharma and Gurpreet Singh	967-978
Studies on <i>In-vitro</i> Propagation in Turmeric cv. PDKV Waigaon	S.P. Umbarkar, V.S. Kale, P.K. Nagre, A.M. Sonkamble, S.B. Sakhare and D.R. Rathod	979-984
Impact of Abiotic Factors on the Spatial Distribution of Plant-Parasitic Nematodes in Vegetable Crops	Arkadeb Chatterjee and Debanand Das	985-993
Organic Formulations in Floriculture: A Review	Menkarani, Pooja Gupta and Khushboo Sharma	994-1000
Effect of Different Levels of Sulphur and Zinc on Yield Attributes and Yield of Soybean in Acid Alfisols	Alka Tigga, B.K. Agarwal, S.B. Kumar, C.S. Singh, Karishma Banra and Anjali Bhagat	1001-1005
Genetic Variability and diversity studies in sorghum germplasms for grain yield and yield components	V.K.I. Sri Subalakhshmi	1006-1010
Genetic variability, correlation and path analysis on key yield determinants in chickpea (<i>Cicer arietinum</i> L.)	A.I. Abdalla and D.P. Singh	1011-1019
Influence of Integrated Nutrient Management on Nutrient Content, Growth and Quality of Cluster Bean and Barley in A Cluster Bean-Barley Cropping System	Pravin N. Gajbhiye, Manoj Pandey and Raj Bahadur Singh	1020-1026
Antifungal Efficacy of Green-Synthesized Zinc Oxide Nanoparticles against <i>Fusarium</i> spp.: An <i>in vitro</i> Study	Rashmita Saikia, Supriya Sharma, Pranjal Kumar Kaman and Arkadeb Chatterjee	1027-1036
Genetic variability, correlation and path coefficient analysis of chickpea (<i>Cicer arietinum</i> L.) genotypes for yield and yield attributing traits under limited water condition	Nitu Kumari, Kamleshwar Kumar, Krishna Prasad, Ravi Kumar, Yogendra Prasad, Alice Bara and Sumit Kumar Mishra	1037-1044
Investigation on Heritability and Genetic Advance for Yield and its Contributing Traits in Greengram (<i>Vigna radiata</i> L. Wilczek)	Mitali Srivastava, H.G. Manojkumar and Atar Singh	1045-1050
Evaluation of Castor (<i>Ricinus communis</i> L.) Based Intercropping Systems in South Gujarat: Impact on Growth, Yield, Resource Utilization and Economic Viability	Mili Patel, Dhara Devani, Krupa Agrawal and Faizan Malek	1051-1054
A Review on Bio-stimulants in Horticulture: Enhancing Growth and Stress Tolerance	S.R. Patil, Lakhwinder Singh, Vrushali Dattatray Chougale, Varsha Minz, Chaitanya Tiwari, Gargi Shekhar, Imatiyazahamed Teli and Anshuman Singh	1055-1064
Evaluation of F ₂ population for genetic variability in chilli (<i>Capsicum annum</i> L.)	D. Divyabharathi, K.M. Yuvaraj, M. Jayaprada, C. Venkata Ramana, G. Sarada and M. Balakrishna	1065-1068

continued on next page VIII

Seasonal Fluctuations and Price Dynamics in Tomato Markets of Eastern Uttar Pradesh, India Randhir Yadav, R.R. Kushwaha, Supriya and K.K. Singh	1069-1077
Land Irrigability Classification of Riverine Soils in Lower Brahmaputra Valley Zone of Assam India Meenu Bijarniya, Bipul Deka, Marami Dutta, Chinmoy Kr. Sarma, D. K. Patgiri and Sneha Karmakar	1078-1082
Assessment of genetic variability in F ₁ hybrids of chilli (<i>Capsicum annuum</i> L.) D. Divyabharathi, K.M. Yuvaraj, M. Jayaprada, C. Venkata Ramana, G.. Sarada and M. Balakrishna⁴ and V. Sekhar	1083-1086
Seasonal Incidence, Varietal Preference and Management of Garden Snail, <i>Helix aspersa</i> in Capsicum Sangita Sharma, A.K. Sharma and Jai Paul	1087-1092
Impact of Nutrient Management on Yields, Nutrient Uptake and Soil Properties in Cluster Bean-Barley Cropping System Pravin N. Gajbhiye, Manoj Pandey and Raj Bahadur Singh	1093-1098
Exploring Microbial Dynamics: The Role of Commensals in Healthy and Dandruff-Affected Scalps Km. Reeta, Alpana Joshi and Subrata K. Das	1099-1109
Effect of plant growth regulators on the growth and yield of culantro (<i>Eryngium foetidum</i> L.) Guddu Rai and Sujata Upadhyay	1110-1112
Influence of foliar application of plant growth regulators on fruit retention, yield and quality of mango (<i>Mangifera indica</i> L.) cv. Amrapali Ashutosh Kumar, Samik Sengupta, B.J. Gawhale, Baldau Yadav, R.M. Bhusari, V.B. Gore and Ankur Kumar Rai	1113-1120
Integrated Effect of Foliar Spray of Plant Growth Regulators and Bio Stimulators on Growth and Flowering of Ridge Gourd (<i>Luffa acutangula</i> L.) Y. Sanjeeva, Mallikrjun Ningdalli, Palthe Vasudev Naik, Shekharagouda Patil and N.M. Sunil Kumar	1121-1126
Bioefficacy of Common Botanicals for the Management of Anthracnose Disease of Strawberry (<i>Fragaria ananassa</i>) Budha Bora, Neha Das, Manoj Kumar Kalita, Ranima Mishra and Nayanmoni Buragohain	1127-1132
Prospects and Application of Hydrogel Technology in Horticulture: A Review Guddu Rai and Sujata Upadhyay	1133-1138
Principal Component Analysis Approach to Identify Genetic Variation in Spring Mung Bean Under the Foothill Condition of Manipur India Mukesh, Priyashree Laishram, Sateesh Kumar Dhaked, Sanjay Kumar, Sonika Yumnam and Shankar Lal Choudhary	1139-1145
Effect of Phyto-Extracts and Bio-Agents on Biochemicals, Root Rot Incidence and <i>Meloidogyne</i> Population of Fennel (<i>Foeniculum vulgare</i> Mill.) Kiran Kumawat, S.K. Goyal, B.S. Chandrawat, G.K. Mittal, R.P. Ghasolia, Lalita Lakhran, B.L. Naga, Dinesh Kumar Meena and Sushila Yadav	1146-1152
Estimation of Correlation and Path Coefficient Analysis in Fennel (<i>Foeniculum vulgare</i> Mill.) Kalyan Singh, C.N. Ram, Neetu, D.K. Singh³, Nishakant Maurya, Anurag Singh and Mohit Kumar	1153-1156
Leaf Parameters as Influenced by different Turf Genotypes M. Lakshmi Kamala, A.V.D. Dorajee Rao, T. Suseela, M. Paratpara Rao and K. Uma Krishna	1157-1162
Flood Resilience in Crops: Emerging Innovations and Effective Management for Enhanced Productivity and Food Security Hridesh Harsha Sarma, Bikash Chandra Das, Aditya Bezboruah, Priyanka Kakati and Ankita Baro	1163-1172
Dehydration of Amla Slices Using Various Pre-Treatments and Osmotic Agents Mehnaza Bashir, Anju Bhat, Julie D. Bandral, Shafaq Javid and Abhay Bhagat	1173-1178
Haploid Plant Regeneration Through Androgenesis in Oilseed Crops: A Review H.P. Anusha, Suvarna, Ayyanagouda Patil, G. Girish and K. Imtiaz Ahmed	1179-1188
Enhancement of agro-morphological traits of rice through graded levels of fertilizers and co-compost application M.G. Arun Kumar, M. Thirupathi, P. Stalin and S. Dinakar	1189-1196
Genetic Variability, Heritability and Genetic Advance for Seed Yield in Sunflower (<i>Helianthus annuus</i> L.) Divya Koripalli, Vikas V. Kulkarni, M.R. Umesh, Vijaykumar Ghante and Poornima	1197-1200
Postharvest Spermidine Treatments Retain Higher Quality and Extend the Shelf Life of Pointed Gourd (<i>Trichosanthes dioica</i> Roxb.) During Cold Storage Devesh Kumar, Sajeel Ahmad, Arjun Singh, Mohd Faruk and Anurag Saurabh	1201-1210
Seedling characters and harvest index of some <i>sali</i> rice varieties as influenced by type of seedling under delayed dates of planting Rajashri Saikia, Khagen Kurmi, Nayanjyoti Ojha and Ranjan Das	1211-1218
Use of nano fertilizers to reduce chemical fertilizer load for okra production Razauddin, Sutanu Maji, Sanjay Kumar, Mufat Lal Meena, Mayaram Ramesh Chand Meena and Usha Shukla	1219-1231
Assessment of Elite China aster Hybrids for Flower Quality Traits in F ₂ Generation D.R. Karthik, R. Vasantha Kumari and Chikkalingaiah	1232-1236

Modern Techniques and Novel Approaches in Rice Pest Management: A Review	
M. Chethankumar, B.V. Uday Kumar, G.P. Darshan, S. Shashank and Archana Anokhe	1237-1252
Character association and path analysis studies in Brinjal (<i>Solanum melongena</i> L.)	
C.P. Bal, S.G. Bhawe, R.L. Kunkerkar, A.V. Mane, P.B. Sanap and M.S. Joshi	1253-1256
Genetic Divergence for Yield and Yield Attributes in Tomato (<i>Solanum lycopersicum</i> L.)	
Virendra Kumar, Sanjay Kumar, Anil Kumar, Raj Narayan, Vivek Pandey, Santosh Kumar and Vipin	1257-1261
Degradation Studies of Methyl Parathion by an Indigenous Soil Bacterial Isolate	
Archana Pandey and Botta Ankita	1262-1266
Impact of soil mining on soil quality in Bundelkhand region, U.P., India	
Arbind Kumar Gupta, Sanjay Kumar, Deo Kumar, Abhilash Yadav, Yogesh Prajapati and Arjun Sharma	1267-1270
Climate resilient strategies for sustainable forage production: A Review	
Dushyant, Loknath Singh, Krashankant Sharma, Sudhir Kumar Singh, Shekhar Singh, Rajesh Kumar, V. K. Singh, Nisha Mahan and Reetesh	1271-1279
Impact of foliar micronutrient sprays on the growth and yield of late-planted lentil (<i>Lens culinaris</i>) in Western Uttar Pradesh India	
Dushyant, Krashankant Sharma, Rajesh Kumar, Loknath Singh, Nisha Mahan, Shekhar Singh, Sudhir Kumar Singh, V.K. Singh and Sagar Chaudhary	1280-1282
Effect of sowing environments and nitrogen levels on growth and yield of Sunflower	
S. Susmitha, S. G. Mahadevappa, P. Leela Rani and K. Pavan Chandra Reddy	1283-1289
Impact of Integrated Sulphur Management on growth, yield attributes and yield of Onion, Brinjal and Garlic	
Kaushal Yadav and Manoj Pandey	1290-1296
Response of Bio-fertilizers and Zinc levels on growth, yield attributes and Economics of Pearl millet (<i>Pennisetum glaucum</i> L.)	
Shivam Yadav, Murari Mohan, Ravina Yadav, Krishna and Joy Dowson	1297-1303
Evaluation of Ivy Gourd (<i>Coccinia grandis</i> L.) Genotypes for Growth, Yield and Quality in Godavari Zone of Andhra Pradesh India	
Boddu Vamsi, K. Usha Kumari, A.V.D. Dorajee Rao, T.S.K.K. Kiran Patro, M. Paratpara Rao and P. Sunitha	1304-1308
Weed management through herbicides in pearl millet (<i>Pennisetum glaucum</i> L.) in UKP (Upper Krishna Project) command area	
Likhita Nekkanti, Hiremath K. A. and Manjunath	1309-1319
Impact of Organic Manure and Spacing of Morphological Features of <i>Andrographis paniculata</i> (Burn. f.) wall. ex Nees	
Ram Babu Choudhary, Kanica Upadhyay, S.B.S. Pandey, Anju S. Vijayan, V.C. Prahlad, Anchal Sharma and Arathi Chandran	1320-1324
Impact of Sowing Timing and Integrated Weed Management Strategies on Wheat Crop Growth, Productivity and Monetary Benefits	
Ashok Kumar Yadav, T. Pandiaraj, Jitendra Yadav and Vipin Kumar Yadav	1325-1335
Farmers' Perception on administrative flood mitigation measures- A Study in Flood Affected Districts of Assam India	
Afsana Rahman and Sundar Barman	1335-1340
Assessment of Genetic Divergence for Morpho-physiological Traits and Yield Components in Maize (<i>Zea mays</i> L.) for Hybrid Development and Adaptation to Tropical Environments	
Lingaswamy Mukkaamula, Sudheer Kumar S., Venkatesh Selvarangam, Sai Harini and Mahesh Gudla	1341-1348
Pheromone Traps in Insect Pest Management: A Comprehensive Review of Their Applications, Efficacy and Future Directions in Integrated Pest Management	
Nagendra Kumar, Gudipati Naveen, Sudipta Padhan, Sanjay Hembram, Tanya Rathore, Smaranika Mohanta and Arghya Mani	1349-1364
Analysis of Training Needs of Vegetable Growers towards Improved Production Technology in Hardoi District of Uttar Pradesh, India	
Shivam Singh, Harish Chandra Singh, Mayank Kumar, Ahijeet, Aman Verma and Dileep Vyas	1365-1372
Morphological Characterization and Biochemical analysis of Xanthophyll content in Marigold Genotypes under Chhattisgarh conditions	
Tanuja Matawale, Pooja Gupta, Sanjay Kumar Bhariya, Vijay Kumar and Manukumar Y.D.	1373-1378
Morphological Characterization of Marigold Genotypes	
Manukumar Y.D., Pooja Gupta, Sanjay Kumar Bhariya, Vijay Kumar and Tanuja Matawale	1379-1382
Effect of different BIDM modules on management of Rice blast disease and its impact on yield of Basmati paddy	
Himendra Raj Raghuvanshi and S.K. Biswas	1383-1386
Study on effect of levels of fat and sugar on the physical quality of flavoured milk prepared from blend of cow and Goat milk using Vanilla and Strawberry essence	
Sarvmangal Verma, Pankaj Kumar, Vikash Kumar, Shivam Bajpai, Kuldeep, Vikesh Kumar, M.P.S. Yadav, P.K. Upadhyay and Ashwani Kumar Singh	1387-1392

- Intercropping – An Approach towards Sustainability in Agriculture
B.V. Pawar, A.B. Chorey, R.H. Wakde, P.S. Dudde, A.S. Ekapure and A.S. Bayskar 1393-1399
- Isolation, Identification & Purification of *Myrothecium roridum* causing leaf spot of bael
Gaurav Ayodhya Singh, Hemant Kumar Singh, Ramji Singh, Sakshi Pandey, Deepak Kumar, Shambhavi Tiwari, Aditya Maddheshiya and Siddhant Kr. Pundir 1400-1404
- Demographic Analysis of the Selected Agricultural Commodity Exporters in Kanpur District of Uttar Pradesh, India
Abhishek Singh, Rahul Kumar, Ashwani Kumar Singh, Rohit Kumar Sengar, Gyanendra Singh, Kunwar Akhand Pratap Singh and Anushi 1405-1408
- Isolation and ITS Sequencing-Based Identification of *Macrophomina phaseolina* in Soybean (*Glycine max*)
Sayali G. Magar, Praveen V. Jadhav, Eknath R. Vaidya, Mangesh P. Moharil, Sanjay B. Sakhare and Shyamsundar S. Mane 1409-1415
- Zinc Induced Modulation of Growth and Yield in Sprouting Broccoli (*Brassica oleracea* L. Plenck Var. *italica*)
Kamlesh Kumar Yadav, S.P. Singh, O. P. Garhwal, Pushpa Ujjainiya, Udit Joshi, Priyadarshani A. Khambalkar and Komal Yadav 1416-1422
- In Vitro* Evaluation of *Myrothecium roridum* against Fungi Toxicants and Bioactive Botanical Compounds against Leaf Spot of Bael
Gaurav Ayodhya Singh, Hemant Kumar Singh, Sakshi Pandey, Deepak Kumar, Shambhavi Tiwari, Aditya Maddheshiya and Siddhant Kr Pundir 1423-1428
- Population dynamics and management of aphids (*Aphis craccivora*) in cluster bean (*Cyamopsis tetragonoloba* L. Taub)
Ranjana Bali, Amit Kumar Singh, Burhan Ashraf Khan, Talim Hussain and Marya Farid 1429-1434
- Stolon Parameters as Influenced by different Turf Genotypes
M. Lakshmi Kamala, A.V.D. Dorajee Rao, T. Suseela, M. Paratpara Rao and K. Uma Krishna 1435-1440
- Advancing Saffron (*Crocus sativus* L.) Cultivation through Hydroponics System: A Review
Subhrajit Ojha, Shilpa Kaushal, Pooja Rane Behuria, Akanksha Sant and Shubham 1441-1450
- Effect of temperature & relative humidity on sporulation and spore germination on *Alternaria solani* incidence of early blight of tomato
Neelam Soni, Jayant Bhatt, Rajni Singh Sasode, Himanshu Sekhar Singh, Namrata Singh and Ankita Gautam 1451-1455
- Vegetable seed production techniques in varieties: A Review
Neha Thakur, A.K. Joshi, Priyanka Thakur, Rajeev Kumar and Kumari Shiwani 1456-1476
- Impact of cow-urine-based neem, nochi and adhatoda leaf extracts on yield and economics of organic rice
K. Ganesan, Bacham Anil Kumar, M Suganthy, S.V. Sangeetha, M. Murugan, R. P. Soundararajan, V. Manivannan and Ashvani Kumar 1477-1480
- Evaluation of ameliorative potential of different plant extracts on Glyphosate-induced dopamine neurodegeneration and its impacts in *Caenorhabditis elegans*
Kisan B. Jadav, Sachin S. Patil, Shaheen Jafri Ali, Sanganna Sajjanar, Ayyangouda Patil, Kavita T. R., Sharanbasappa Yerri and K. Shruthi Nagarhal 1481-1488
- Technological Gaps and Barriers Impacting Basmati Rice Cultivation
Mohit Kumar Pandey, Dan Singh and Pramod Tripathi 1489-1492
- Insect Infestation and Quantitative Losses in Stored Cereals Pulses and Dry Fruits
Srinivas Chinmayi, Sunitha N. D., Shrikant S. Chavan and Jagadish Hosamani 1493-1497
- Effect of Sowing Dates and Weather Parameters on Stem Gall Diseases of Coriander in the Hadoti Region of Rajasthan India
Hemant Gurjar, C.B. Meena, Suresh Kumar, Virendra Singh, Sushila Yadav and Pinki Sharma 1498-1500
- Yield Gap Analysis of Paddy in Telangana State India
Desireddy Srinivasa Reddy, Bakka Ram Charan Teja, Pavuluri Gayathri, Amarlapudi Suman, T.M. Dinesh, Boniga Mohan Uday Raj and Korabandi Suhasini 1501-1506
- Heterosis for Yield Related Attributes in Soybean (*Glycine max* L. Merrill)
Sunil Kumar, S. Marker, Yogendra Prasad, Kamleshwar Kumar and Ravi Kumar 1507-1520
- Formulation, value-addition and evaluation of green tea liquor-based moisturizing face cream
S. P. Karmakar, J. Dasgupta, C. Ghosh and C. Gurung 1521-1526
- Assessments of the Genetic Divergence among the Tomato Germplasms
Sudhanshu Singh, Bijendra Singh, Vikash Tyagi, Raj Kumar, Vivek Kumar, Satya Prakash and Vipin Kumar 1527-1532
- Effect of Spatial variation on the Physico-chemical Characteristics and Quality attributes of Mango (*Mangifera indica* L.) cv. Zardalu
Rishikant Choudhary, Mohammad Feza Ahmad, Ruby Rani, and Mukesh Kumar 1533-1539

- Morphological and Biochemical Determinants of Lettuce Yield: Through Correlation Studies And path Coefficient Analysis
Mritunjaya Behera, Kanchan Kumari Gupta and Nitesh Kushawha 1540-1547
- Assessment of Genetic Variability in Finger millet (*Eleusine coracana* (L.) Gaertn) Genotypes for Agro-morphological and Biochemical Traits
Purnima Ray, H.E. Patil, V.B. Patel, R.K. Patel, Madhu Bala, Alok Shrivastava, H.R. Patel, D.D. Patel, Ashita Patel and G.M. Patel 1548-1555
- Influence of Scion Selection on Grafting Success and Growth Traits in *Juglans regia* L.: A Comparative Analysis
Gazala Mansoor, G. I. Hassan, Mahreena Farooq Rather and Arifa Gulzar 1556-1562
- Influence of Camel dung and organic waste compost on plant growth and flower yield in pinched seedling plants of African marigold (*Tagetes erecta* L.) cv. Pusa Narangi Gaiinda
Purnima Singh Sikarwar and V.M. Prasad 1563-1570
- Study of direct and indirect effect for seed yield characters of Indian mustard (*Brassica juncea* L. Czern and Coss)
Masoom Ali, G.M. Lal, Mayank, Vipul Srivastava, Piyush Kumar and Mani Prabhat 1571-1578
- Morphological and Molecular Based Genetic Diversity Studies on Alkalinity and Inland Salinity Stress Tolerance in Rice (*Oryza sativa* L.)
K. Sai Kylash, G. Shiva Prasad, S. Vanisri and D. Saida Naik 1579-1586
- Varietal Screening and Bio-intensive Management of Major Insect Pests in Okra (*Abelmoschus esculentus* L.)
Karishma Kalita, Mahesh Pathak, Kennedy Ningthoujam, T. Rajesh, R.K. Patidar and Jyotim Gogoi 1587-1591
- Weed Management Indices as Influenced by Herbigation Based Weed Management in Hybrid Maize (*Zea mays* L.)
A.P. Srinivasa Perumal, S.M. Suresh Kumar, S. Sudhasha, G. Baradhan, A. Sundari and P. Mohanvel 1592-1596
- Effect of Skin Coatings on Immature Mango (*Mangifera indica* L.) cv. Sarik Heinou in Manipur, India
Ram Preet Singh, Linthoingambi Ningombam, Dupati Ashok Kumar, Md. Rizwanullah, Ng. Piloo, Shweta Yadav and Damini Ngute Tamin 1597-1605
- Effect of different levels of micronutrients mixture and vermicompost on growth, yield, harvest index and economics of wheat
Suhail Sardar, Vineet Kumar, Ashwani Kumar Tyagi, Mohit and Rahul Arya 1606-1612
- Innovative Strategies for Post-harvest Disease Management in Fruit Crops: A Review
Nitin P.S., Ambrish S., Kiran K.N. and Shashidhar B. R. 1613-1624
- Enhancing Crop Growth and Sustainability Through Endophytic Bacteria Application an Finger Millet (*Eleusine coracana* L.)
S. Priyadarshini, N. Umashankar, H. R. Raveendra, K. Nagaraju, L. Krishna Naik and P. S. Benherlal 1625-1630
- A Comparative Study of Indole-3-acetic Acid (IAA) And Kinetin (Kn) in Alleviating The Arsenic-induced Toxicity in Rice Seedlings: Oxidative Stress Vs Antioxidative Defence System
Dinendra Kumar Mishra, Shweta, Prabhat Kumar Sriavastava and Jitendra Kumar 1631-1642
- Management of Melon Fruit Fly, *Bactrocera cucurbitae* Coquillett Infesting Cucumber in River-bed Area of Orsang in Middle Gujarat Condition
Dabhi M. R., Math R. S., Rathava A. N. and Patel S. R. 1643-1652
- Smart Water Management in Horticultural Crops: A Review
Megha Raghavan, Jaya Bijaya Biraja Das, Lakhwinder Singh, Rashmi Nandkishor Dongre, Sweta Raj, Ravi Pratap Singh, Vishal Gangwar and Shubham Jain
- Study of Genetic Variability in 23 Rice Landraces of Bihar India
Nitesh Kushwaha, Naincy Sinha, Rajesh Kumar, Nilanjaya, Ashwani Kumar, Digvijay Singh, Tushar Arun Mohanty, Kanchan Kumari Gupta, Prem Chand Gyani and Monika Gahlot 1665-1672
- Study of exogenous application of chemicals and date of sowing in mitigating the heat stress impact on yield and yield contributing traits in Wheat (*Triticum aestivum* L.)
Anubhav Kumar, Poonam Singh, Mamta Rathore, Rishab Kmar and C.L. Maurya 1673-1678
- Chitosan is an efficient tool for precision agriculture and sustainability: A Review
Sapana B. Baviskar, Ranapratap A. Raut, P.V. Shende, Vandana Madke, Sandip Kamdi, Vijay Mahentesh and Ashish Shivran 1679-1695
- Evaluating the Impact of Zinc and Iron Biofortification on Pigeonpea, concerned with a Benefit-Cost Assessment
Akhilesh Mishra, G. Rai and Tarun Rathore 1696-1702
- The Role of Pruning, Paclobutrazol, and KNO₃ in optimizing Mango production: A Review
Shashwat P. Mahalle, J. K. Dhemre, S. D. Magar, A. V. Kshirsagar and R. V. Patil 1703-1710
- Study of Yield and its Attributing Traits of 20 Genotypes in Brinjal (*Solanum melongena* L.)
Juhi Aswani, M. L. Meena, Sagar Saini, Monika Kumari, Kamal Kumar Bairwa and Harishankar Meena 1711-1714
- Efficacy of *Bacillus subtilis* based bio fungicides (Taegro) against Downy mildew (*Plasmopara viticola* (Berk. and Curt.) Berl & de Tony) disease of Grapes
Ramesh, Manjunath Hubballi and Raghavendra Achari 1715-1718

- Character association and path analysis studies in some genotypes of Spinach Beet (*Beta vulgaris* L. var. *bengalensis* Roxb.)
Abhishek, Shiv Pratap Singh and Romika Thakur 1719-1722
- Impact of Resistance Inducers and Chemicals on Biochemical Parameters in Pomegranate Seedlings against bacterial blight (*Xanthomonas citri* pv. *punicae*)
Abha Thakur, S.K. Sharma, Shalini Verma, Anju Sharma, Neha Singh and Diksha Thakur 1723-1733
- Assessment of Genetic Diversity Among Okra (*Abelmoschus esculentus* L.) Genotypes Using SSR Markers
Abhishek Chahar, Prafulla Kumar, Ravindra Kumar, Abhay Kumar, Ankit Agrawal and Satish Kumar 1734-1740
- Evaluation of Bio-efficacy of *Bacillus subtilis* based bio-fungicide (*Taegro*) against powdery mildew disease of Grapes
Ramesh, Manjunath Hubballi and Raghavendra Achari 1741-1744
- Survey on the Incidence of Fusarium Wilt in Watermelon (*Citrullus lanatus*) Caused by *Fusarium oxysporum* f. sp. *niveum* in Major Watermelon-Growing Regions of Tamil Nadu, India
B. Tamilselvan, S. Sudhasha, K. Sanjeevkumar, S.M. Suresh Kumar, A.P. Srinivasperumal, G. Baradhan and S. Kanaka 1745-1751
- Effect of spacing and fertilizer interactions on growth of cape gooseberry (Golden berry) in Andhra Pradesh, India
G. Bhrijavasi, P. Vinaya Kumar Reddy, M. Madhavi, S. Narasimha Rao and D. Salomi Suneetha 1752-1760
- Sustainability Concern on Sugarcane Production in India with special Reference to Uttar Pradesh India
Aditya Bhooshan Srivastava, K.K. Singh, Ajeet Kumar, Pavan Kumar Singh, Bhartendu Yadav, Mahima Priyanka Neerugatti and Sachin Kumar Verma 1761-1769
- Influence of different organic nutrient Sources on growth and yield of Marigold cv. Pusa Arpita
Mahima Sharma, Vijai Kumar, D.R. Karthik, Harshit Vimal and Atul Kumar Mishra 1770-1774
- Study on preparation of wood apple (*Limonia acidissima* L.) Ready-to-Serve (RTS) beverage
Deepak S. Kore, G.S.K. Swamy, Kulapati Hipparagi, Viresh Hiremath, Prabhuling Guranna, K.S. Shankarappa and Jayashree Ugalat 1775-1780
- Analysis of trait association in Cowpea (*Vigna unguiculata* L. Walp) genotypes under summer conditions
Annu Dahiya, Satyawan Arya, Ravish Panchta, Neeraj Kharor, Anjali Jha and Ankit Dhillon 1781-1786
- Impact of Front-Line Demonstration of Foxtail millet variety HN-46 over farmer practice
S. Vanishree and Renuka Biradar 1787-1790
- Evaluating the Impact of Organic Manures on Soil Health and Plant Nutrition for Sustainable Strawberry Farming in a Polyhouse
Pooja S. Beleri, Hanumantharaya B. G. and M. Shalini 1791-1797
- KVK interventions for sustainability of Integrated Farming System models in Dharwad district of Karnataka India
Jayashree Pattar, Kalavathi K. Kambali, Geeta S. Tamgale and S. A. Biradar 1798-1802
- Assessment of Organic Carbon Buildup under Different Land use Systems
K. Chandana, T. Chaitanya, K. Pavan Chandra Reddy and A.V. Ramanjaneyulu 1803-1806
- Cultural Flavor: Exploring Fermented And Non-fermented Foods and Beverages of The Jaunsar- Bawar Tribe of Uttarakhand India
Shivani Aryan, Bindu Devi, Arun Kuma, Shruti Sinha and Parul Sharma 1807-1816
- Cultural Significance and Economic Potential of Naga King Chilli (*Capsicum Chinense* J.) In Northeast India: A Review
Koku K. Tara, Minakshi Dutta, Rosalin Laishram, Th.D. Grace Chiru and Nitasana Rajkumari 1817-1825
- Rising Rajasthan with the genus *Senna* (Fabaceae): The prospects and potential of medicinal herb in Thar desert of India
Kirti Rani, Gordhan Gena, Neelam Shekhawat, Mithlesh Kumar and P.K. Singh 1826-1834
- Biological management of downy Mildew disease in Cucumber
N. Jhansirani, V. Devappa, C.G. Sangeetha, G.K. Ramegowda, Aravinda Kumar, J.S. Vikram Appanna and R.K. Ramchandra 1835-1842
- Evaluation of the Economic Viability of Various Lemongrass Intercropping Varieties in Mangium-Based Agroforestry Systems in the Chhattisgarh Plains of India
Taman Lal Sahu, Manish Kumar Mankur, Sindhu Xaxa and Shikha Minj 1843-1846
- Nutrient Use Efficiency, Nutrient Uptake and Economics as Influenced by Integrating Nano-Urea in Nitrogen Management of Maize under Rainfed Conditions
K. Sriram, Sanjenbam Dayananda Singh, N. Anando Singh, N. Surbala Devi and N. Okendro Singh 1847-1852
- Selection of suitable Variety and Transplanting date for *kharif* onion Production
Ramesh Chand Meena, Sutanu Maji, M.L. Meena, Razauddin, Rajesh Kumar Meena, Maya Ram and Dharmraj Meena 1853-1859
- Study of the Morphological characters of Aonla (*Embllica officinalis* Gaertn.) Genotypes
Nivedita Mishra, Poonam, Shubham Singh Rathour, Rahul Singh Sikarwar and Sanjeev Singh Baghel 1860-1864

continued on next page XIII

- Evaluation of Roselle Performance as a Monthly Intercrop in Young Sapota Orchards under Varying Plant Densities
G. Vijaya Krishna, Vadde Mounika and Hameed Unnisa Begum 1865-1868
- In vitro* mycoparasitic efficacy of native isolates of *Trichoderma* spp. against Phomopsis blight (*Phomopsis vexans*) of Brinjal (*Solanum melongena* L.)
Nilesh Kumar Sahani, Shahnashi Hashmi and Mehjabi Hashmi 1869-1874
- Study on the storage stability of chia seeds incorporated pomegranate syrup and RTS
Y. Gouthami, G. Bhuvaneshwari, S.L. Jagadeesh, V.M. Chandrashekar, Anand Nanjappanavar, Vasant M. Ganiger and D.L. Rudresh 1875-1884
- Enrichment of Farm yard manure through distillery byproducts and its effect on soil organic nitrogen fractions in vertisols
Muttavva Awaradi, B. H. Kumara, and S. N. Honnali 1885-1892
- Effect of Planting dates on Growth and Flowering of African Marigold (*Tagetes Erecta* L.) Cultivars under Low Hill Conditions of Himachal Pradesh, India
Manish Kumar, Priyanka Thakur and Ragini Bhardwaj 1893-1898
- Optimization of Carbon and Nitrogen sources on Mycelial growth and Sporulation of *Alternaria Brassicae* causing Alternaria Blight
Babli, R.K. Pandya, Akshay Kumar, Sanjay Kharte, Manoj Kumar Ahirwar and Suresh Prasad Tiwari 1899-1905
- Adding Lutein to feed as an Antioxidant Improving the Performance of Broiler Chickens under the Influence of Heat Stress
Afrah A.H. Abeeab 1906-1910
- Impact of different Pretreatments on Nutritional, Functional and Color Properties of Banana Flour
Yellapu Rammohan, M. Siva Prasad, P. Suresh Kumar, V.N.P. Siva Rama Krishna, T.N.V.K.V. Prasad, Y. Sireesha and M. Rajesh 1911-1916
- Principal Component Analysis for Genetic Diversity Assessment and Trait Selection in Lentil (*Lens culinaris* Medik.)
Shaik Allamalik Ansari, Sudheer K. Pathak, Shama Parveen and Garlapati Arun 1917-1920
- Investigation of Dormancy Duration and Breaking Methods in Sunflower Hybrid Rsfh-700 Seeds
R. Sana, N.M. Shakuntala, Sangeeta I.M., B.S. Ganigera, Sanjay M., and Vikas Kulkarni 1921-1925
- Assessment of genetic diversity in chickpea (*Cicer arietinum* L.) genotypes using SSR markers
Dharamsheela Thakur, Rafat Sultana, Rahul Singh, Preetam Kumar Roy and Sweta Sinha 1926-1932
- In Silico Identification of Antiviral Compounds from Genus *Asparagus* for Chikungunya Virus using Molecular Docking and Md Simulation
Aman Agrawal, Deepti Teotia, Vivek Kumar, Pooja Jain, Bhanu Agrawal Ashish Kumar¹ and Vijai Malik 1933-1946
- Optimizing Livestock Welfare and Productivity: A Comprehensive Review of Bedding Material Impacts
Karishma Choudhary, Hina Ashraf Waiz, Aarti Gupta and Shiv Dayal Rintor 1947-1954
- Probiotics: Integral Agents in Human Health and Disease Prevention
Urvashi, Rahul and Reshu Rajput 1955-1968
- Factors affecting Land use Patterns overtime in Kathua District of Jammu and Kashmir India
Chanchal, Rakesh Nanda and J.S. Manhas 1969-1977
- Identification of heterotic cross combinations for grain yield and head rice recovery in rice (*Oryza sativa* L.) hybrids
M. Maneesha, V. Gouri Shankar, B. Srinivas and Y. Hari 1978-1986
- Impact of Treadmill application of Insecticides on pods damage of *Cajanus cajan* landraces
Dhruv Kumar Patel, R.S. Marabi, Moni Thomas, Deepak Singh and Shradha Parmar 1987-1990
- Genetic variability, correlation, path and PCA for yield and its component traits in Pan India Elite Cultivars of Rice (*Oryza sativa* L.)
Shubhronil Ghosh, C.P. Chetariya, Puneet Walia and Nimisha Chaudhary 1991-1998
- High yield and stability improved cultivar of grain amaranth (*Amaranthus hypochondriacus* L.) in plain regions of India
H.L. Raiger, S.K. Yadav, M.C. Singh, N.N. Prajapati, N. Rathor, J.M. Sutaliya, R.C. Kardam and N.K. Jajoriya 1999-2005
- Residual impact of irrigation scheduling through climatological approach and N management through different sources on soil fertility in summer green gram
Ruxanabi Naragund, R.A. Patel, Mamta J. Patange, K.S. Somashekar, Himanshu Sekar Behara and Ali R.A. Moursy 2006-2014
- Bio-efficacy studies of Bio-stimulant (CalSiB⁺⁺) for improving berry quality in Thompson Seedless grapes
R.G. Somkuwar, Neeru Jain, P.B. Kakade and Pooja Gharate 2015-2020
- Evaluation of Newer Fungicides against *Alternaria* Leaf Spot of Brinjal
N. Asur, M.K. Barnwal, S. Ekka, A.M. Ansari, A.V. Lakra and Priyanka Kumari 2021-2025
- Population dynamics of mulberry leaf roller, *Diaphania pulverulentalis* Hampson in Mandya district (Karnataka) India
Ahalya B.N., Roopesh B. M., Basavaraju B.S., Vijay Kumar L., Harish Babu, S. and Anand Kr. V. 2026-2030
- Morphological and cultural characterization of *Colletotrichum falcatum* isolates
Gedela Venkata Hima Sameera, Sidh Nath Singh and Anil Kumar 2031-2036

- Integrated Farming System: Enhancing Productivity, Profitability and Employment for Small and Marginal Farmers in Vidarbha Region of Maharashtra, India
Bhagyashri N. Solanke, J.P. Deshmukh, A.N. Paslawar, S.D. Chavan, M.M Deshmukh and D.S. Kankal 2037-2040
- An enumeration of angiosperms in and around the Tampara Lake of Ganjam District, Odisha, India **S.P. Panda** 2041-2046
- Standardization of media mixture for *ex-vitro* hardening of *in vitro* rooted plantlets of *Spathiphyllum*
K. Karthik, A.V.D. Dorajee Rao, K. Ravindra Kumar, G. Ramanandam, A. Snehalatha Rani and D.R. Salomi Suneetha 2047-2052
- Trait association with respect to floral morphology and agro-morphology in selected cultivars and wild genotypes of Brassicaceae
Rutvi Babariya, Arna Das, Hadassah Mamidipalli, Ratilal M. Chavadhari, Amit Satapathy and Jigar G. Mistry 2053-2059
- Multivariate analysis of early seedling vigour and its component traits in a subset of rice (*Oryza sativa* L.) 3K panel
S.P. Prem Sagar, J.R. Diwan, C. Gireesh, B.V. Tembhurne, K. Mahantashivayogayya, T.C. Suma and Saroja, N. Rao 2060-2068
- Effect of Packaging Material and Storage on Certain Postharvest Attributes in Loose Flower of Tuberose (*Polianthes Tuberosa*) Cultivar Arka Prajal
Krishan Pal Singh and Priya B.B. 2069-2074
- Influence of pre-harvest foliar application of Naphthalene acetic acid and Zinc sulphate on fruit retention, yield and quality parameters of Mango
Monika Verma, V. K. Tripathi, Manuj Awasthi, Shiwanand Pandey and Saurabh Tiwari 2075-2079
- Unlocking Genetic Variability of Advanced Breeding Lines in Paddy (*Oryza sativa* L.)
B. Manjuntaha, B. Niranjana Kumara and H.G. Sannathimmappa 2080-2088
- Heterosis Studies in Okra Hybrids for Yield and its Contributing Traits
Abhishek and G.K. Halesh 2089-2096
- Influence of Citric Acid, Ascorbic Acid, and Potassium metabisulfite (Kms) Pre-treatments on the Nutritional Composition of Banana Flour
Yellapu Rammohan, M. Siva Prasad, P. Suresh Kumar, V.N.P. Siva Rama Krishna, T.N.V.K.V. Prasad and Y. Sireesha 2097-2101
- Antifungal effector of Myco-synthesized Silver Nanoparticles Against Anthracnose Of Tropical Fruit Crops
Durga Venkata Ravi Teja Amulothu, S.S. Mane, M.V. Totawar, S.T. Ingle, S. B. Bramhankar, A.V. Zope, P.V. Jadhav and Yellapu Rammohan 2102-2108
- A Study on Extent of Participation among Beneficiaries in the IAMWARM Project in Tiruchirappalli District of Tamil Nadu India
Kaviya P. and M. Natarajan 2109-2112
- Canopy Characteristics, Yield, Radiation Use Efficiency and Quality of Oilseeds under Reduced Sunlight
H.P. Jyothi Prakash, M.R. Umesh, N. Manjunatha, A.S. Kamble and B. Rajanna 2113-2119
- Effect of growth regulator and Nutrient Spray to Improve the Growth, Flowering, and Seed Production of Zinnia (*Zinnia Elegans Jacq.*)
Mohd. Abass, Arif Hussain Wani and Kaiser Mohiudeen Malik 2120-2130
- Survey of Prevalence and Abundance of Natural Population of lac insect *Kerria lacca* (Kerr) and of its Natural Enemies in Different States of Arid Western Plains on Different Host Plants
Dipali Samridhi, Hemant Swami and Dhruv Kumar Patel 2131-2136
- Effect of Tuber Age and Size on the Organoleptic Qualities of Pickle and Candy from Swallow Root (*Decalepis hamiltonii* Wight & Arn)
Urati Mahesh, K.M. Yuvaraj, M. Jayaprada, K. Swarajya Lakshmi, Lalitha Kadiri and M. Mayilvaganan 2137-2140
- Evaluation of Flutriafol 23% w/w SC against sheath blight and brown spot of paddy in coastal saline zone
Solanki Sarkar and Mrinmoy Mondal 2141-2146
- Stability of maize hybrids developed through integration of rapid cycle genomic selection and doubled haploid technology
N. Swamy, P.H. Kuchanur, B. Arunkumar, Ayyanagouda Patil, P.H. Zaidi, M.T. Vinayan, H.C. Sowmya and M.M. Dhanoji 2147-2158
- Evaluation of Coloured Sticky Traps for *Thrips parvispinus* (Karny) Management and Its Impact on Chilli Yield
Gayatri, Shivaleela, Arunkumar Hosamani, Basavaraj K. and Sreedevi S. Chavan 2159-2164
- Knowledge and Adoption of Mustard's Recommended Technologies Under South West Haryana Conditions
Anju, Poonam Kundu, Sanyogita Dhanwal and Manjeet 2165-2172
- Exploring the Potential of Local and Wild Fruits for Sustainable Rural Development: A Case Study of Khirsu Block, Pauri Garhwal, Uttarakhand India
Ankit Sati, R.S. Negi, Santosh Singh, Eshwar Singh and Nabdeep Singh 2173-2184
- Effect of Plant Growth Regulators and Micronutrients on Corm Production of Gladiolus (*Gladiolus grandiflorus* L.) Cv. Novalux
Abhinav Kumar and Arun Kumar Singh 2185-2190
- Studies on the effect of Different Levels of Zinc on Yield Attributes, Yield and Economics of Rice
G. Anushiya, S. Kandasamy, R. Raman and S. Srinivasan 2191-2195

- Rootstocks influences, Growth, Bunch Yield, Quality, and Raisin Recovery in Manjari Kishmish Grapes
R.G. Somkuwar, Nilima Gobade, N.A. Deshmukh, A.K. Upadhyay and S.D. Ramteke 2196-2202
- Influence of Integrated Nutrient Management on Growth and Flowering of Winter Season Guava (*Psidium guajava* L.)
Vimal Kumar, V. K. Tripathi and Shubham Gupta 2203-2208
- Effect of Seasonal Changes on some Biochemical Parameters in the Thalli of three Species of Aytoniaceae (Marchantiophyta)
Sunita Kapila and Kanchna Devi 2209-2216
- Collar Rot of Chickpea incited by *Sclerotium rolfsii* and their Integrated Management: A Review
Arvind Kumar, Rishi Nath Pandey, Ayush Kumar and Himanshu Kumar Gupta 2217-2225
- Evaluating the Efficacy of Consortia-based Biocompost on Maize Productivity and Soil Fertility
Pradnya V. Ukey, T.K. Narute, P.U. Bhosale and R.T. Gaikwad 2226-2230
- Integrated Nutrient Management Strategies Improve Chickpea (*Cicer arietinum* L.) Growth, Yield, Nutrient Availability, and Soil Biological Properties in the Degraded Landscape of Bundelkhand Region
Sharwan Lal Yadav, Sovan Debnath, Susheel Kumar Singh, Yumnam Bijilaxmi Devi, Yogeshwar Singh, Rupa Kumpatta, Asha Ram, Sushil Kumar, Naresh Kumar, Rajendra Prasad and Ayyanadar Arunachalam 2231-2241
- Studies On The Efficacy Of Plant Density And Growth Regulators On Flower Yield And Quality Of Potted Annual Zinnia (*Zinnia Elegans* Jacq.)
A. Monika Sri Nagini, Rajasekhar Marri, K. Kaladhar Babu, G. Jyothi and P. Gouthami 2242-2248
- Gardening for the Mind: Exploring the Mental Health Benefits of Horticultural Therapy
Arjit Vashishta, Rohit Ojha and Yachna Sood 2249-2257
- Assessment of Extent of Soil Sealing and Land Use Dynamics Along the Rural-Urban Gradient of Shivamogga Using World View-2 Imagery
D. Ravikumar, G.N. Thippeshappa, G.M. Devagiri, S. Pradeep and Mavinakoppa S. Nagaraja 2258-2262
- Effect of Blended Nutrient Mixtures on Growth, Yield and Quality of Finger millet (*Eleusine coracana* (L.) Gaertn.)
Jakanoor B. Aivalli, B. G. Vasanthi, Mudalagiriappa, Krishnamurthy R. and Muthuraju R. 2263-2268
- Mycosynthesis of Silver Nanoparticles: A Study on Optimization Parameters
Durga Venkata Ravi Teja Amulothu, S.S. Mane, M.V. Totawar, S.T. Ingle, S.B. Bramhankar, A.V. Zope, Sachin V. Patil, P.V. Jadhav, M.P. Moharil and Vaibhvkumar V. Sakhare 2269-2274
- Effect of PGR and Zinc on growth, yield and quality of Tomato (*Solanum lycopersicum* L.)
Avinash Kumar, L.P. Yadava, Jashkaran Singh and P.K. Mishra 2275-2281
- Correlation coefficient and path analysis studies in native collections of Kashmiri Pran (*Allium x cornutum* Clem. ex Vis)
Suraya Ahsan, Gazala Nazir, Ajaz Ahmad Lone, Saima Tabasum, Nageena Nazir, Irshad Ahmad, Khursheed Hussain, Ummyiah H. Masoodi and Syed Berjes 2282-2286
- Effect of dates of sowing and varieties on growth parameters of groundnut (*Arachis hypogaea* L.) during summer season
Y.J. Purna Chandana, K. Indudhar Reddy, Y.S. Parameswari and G. Kiran Reddy 2287-2292
- Optimizing Cucumber Growth and Nitrogen Efficiency through Rootstocks and Fertigation under polyhouse
Amit Verma, Kuldeep Kumar, Indu Arora and Monika 2293-2296
- Review on Phytoremediation of the Ecosystem by using Suitable Phyto Accumulator: A Financially Viable Strategy
Sakshi Verma, Vippan Kaur, Akanksha Dubey, Pramila Pandey 2297-2314
- Appraisal of Character Association in Tomato (*Solanum lycopersicum* L.)
Kunj C. Patel, Dharmendra R. Patidar, Amar A. Sakure, Nil A. Patel and Yash J. Chaudhary 2315-2321
- Management of anthracnose of field bean caused by *Colletotrichum lindemuthianum* through different fungicides and bioagents
H.B. Arpitha, M. Mahesh, C.N.L. Reddy, R.K. Naika, R. Manjunatha and Ambruthavarshini 2322-2326
- Comparative Assessment of Instability, Growth and Trend Dynamics of Gram (*Cicer arietinum* L.) in the Mirzapur District of Uttar Pradesh, India
Ashutosh Dubey, Piyush Kumar Singh, Gulshan Singh and Subhi Singh 2327-2334
- Interactive Effects of Nutrient Management and Elevated Carbon Dioxide in Tomato
K.N. Pallavi, Sheeba Rebecca Isaac and R.V. Manju 2335-2344
- Fertigation: A Contemporary Strategy for Boosting Output: A Review
Vijay Kumar, Vijay Bharti, Chanchal, Jyoti Sharma, Anshu, Ishita and Kanav Sharma 2345-2355

- Unlocking the secrets of the Baiga communities healing practices: An ethnobotanical study in Gaurella-Pendra-Marwahi, Chhattisgarh, India
Reshma Jangde, Diptesh Kumar Bhoi, Roshan Kumar, Subhandu Patra and Ramesh Kumar Ahirwar 2356-2372
- Enhancing Nutritional Quality through Low Budget Naturalway Farming (*Vrikshayurvedic Farming*) Practices in Little Millet-Black Gram Sequential Cropping System
P. Nivethadevi, C. Swaminathan and R. Deepika 2373-2378
- Response of GA₃ on growth, flowering and quality yield of African Marigold (*Tagetes erecta* L.) cv. Giant Orange
Shivani Chahar, Vishwa Nath and Anuradha Singh 2379-2382
- Advancing Sustainable Agriculture: Integrating Vertical Farming with Hydroponic Systems
Akanksha Sant, Shilpa Kaushal, Subhrajit Ojha, Shubham Seth and Preeti Parihar 2383-2390
- Investigation of heritability and genetic advance for the quantitative, qualitative traits in bottle gourd (*Lagenaria siceraria* Mol. Standl.)
Shani Kumar, G.C. Yadav, Mritunjay Rai, Lav Kumar and Subhash Verma 2391-2395
- Role of Active Oxygen Scavenging System (AOS) in determining Submergence Tolerance in Rice
Anuradha Singh 2396-2399
- Identification of slow rusting components in mustard as a component of Integrated Disease Management against white rust
D.V.N.D. Sanjana Veni, M.S.L. Rao, B.R. Patil, V.R. Kulkarni, Archana N. Rai and Sanjay J. Jambhulkar 2400-2404
- Influence of integrated nutrient management on quality, plant nutrient uptake and residual soil fertility of fodder oat (*Avena sativa* L.)
Kholu Mary, S.K. Jha, Edwin Luikham, R. Joseph Koireng, Aaradhana Lakra and Thangneibong Serto 2405-2410
- Genetic Evaluation of Cytoplasmic Male Sterility based Wheat Hybrids
Niharika Shukla, Stuti Sharma, Sanjay Singh and Shweta Kaushal 2411-2416
- Effect of Fertilization Rates on the Growth Performance and Proximate Composition of Duckweed (*Wolffia globosa*): An Alternative Aqua-Feed
Manoj Kumar, Arun Bhai Patel, Rohit Kumar, Rohit Raj, Atul Kumar Singh, K. Adarsh and Satendra Singh 2417-2424
- Assessment of combining ability and gene interaction in maize (*Zea mays* L.) for superior parental combinations in Northwest India
Mudamala Syam Kishore Reddy, Harshita Thota, Vineet Pawan and I.R. Delvadiya 2425-2433
- Performance of Different Sugarcane Varieties under Different Harvesting Periods in Pre-seasonal Sugarcane
D.S. Thorave, R.L. Bhilare and S.K. Ghodke 2434-2438
- Host plant associations of Gelechioid moths and their seasonal flight activity in Karnataka India
A. N. Rajeshwari, Venkateshalu, T. B. Allolli, S. H. Ramanagouda, Sateesh Pattepur and Y. C. Vishwanath 2439-2442
- Compatibility of Insecticide + Fungicide Combinations against Fall Armyworm, *Spodoptera frugiperda* and Banded Leaf and Sheath Blight, *Rhizoctonia solani* in Maize
P. Reshma, Rajasri Mandali, J. Manjunath and M.K. Jyosthna 2443-2450
- Hydroponics Sustainable Approach of Vegetable Production: A Review
Anupriya, Santosh Kumari, Akhilesh Sharma and Kashish Rawat 2451-2459
- Effect of planting geometry and fertilizer levels on growth and yield of greengram (*Vigna radiata* L.) genotypes during summer
Mangala Gouramma Banakar, M.P. Potdar and M.S. Venkatesh 2460-2466
- Assessment of Post Monsoon Water Quality Parameters for Irrigation in Udupi District of Karnataka India
Shridhar, Ravikumar D., Gurumurthy K.T., Jayaprakash R., Jadeyegowda M. and Shoba S. 2467-2471
- Murdannia spirata* subsp. *parviflora*: A Recent Find in Jharkhand's Ganga River Basin
Umama Khan, Revan Y. Chaudhari, B.S. Adhikari, S.A. Hussain and Ruchi Badola 2472-2474
- Effect of Magnesium on Growth, Yield and Quality of Banana
I. D. Shelke, V.P. Bhalerao, A.R. Mendhe and R. M. Bhusari 2475-2480
- Influence of genotype, canopy management practices and nutrient management on fiber quality of *Bt* cotton
Avinash Gawate, S. U. Kakade, Shweta Ambore and N. D. Parlwar 2481-2484
- Regional Disparities in Medicinal and Aromatic Plants (MAPs) in Uttarakhand, India: Insights from Dehradun, Haridwar and Tehri Garhwal
Pramod Kumar Chourasia and Charan Singh 2485-2495
- Impact of hormone and rooting media on root growth of Ber (*Ziziphus mauritiana* Lamk) cv. Apple Ber
S.S.N.M. Mahesh, A. Harshavardhan, M. Ravindra Babu and D.R. Salomi Suneetha 2496-2502
- Character Association and Variability Studies in Segregating Population of *Maldandi* Male Sterile Cytoplasm of Sorghum
S. Keerthana and B.D. Biradar 2503-2506
- Evaluation of Crop Establishment Methods and Weed Management Practices under Dry-Direct Seeded Rice (*Oryza sativa* L.)
K.M. Sharma, Manoj Kumar, Udit Dhakad and D.L. Yadav 2507-2512

continued on next page XVII

- Expression of Salinity Tolerant Genes in Sugarcane
Saddamhussain Aminbhai Shaikh, Anil A. Kale, Shahid Jafar Mulani and Priya Uday Shinde 2513-2519
- Effect of Date of Sowing on Yield Attributes, Yield and Economics of Linseed varieties under Chota Nagpur Plateau Region of Jharkhand India
Md. Parwaiz Alam, Sulochna and Satish Kumar Pandey 2520-2526
- Effect of Integrated Nutrient Management on yield attributes of French marigold (*Tagetes patula* L.) cv. Rusty Red
Pankaj Kumar, R.S. Verma, M.L. Meena, Praveen Kumar and Rahul 2527-2531
- Economic Analysis of Pineapple in Shivamogga District of Karnataka India
Akshatha S., M.N. Venkataramana, Anjan Kumar M.J. and Shreya S. Hanji 2532-2538
- Regulation of summer season flowering to enhance the quality parameters of mrig bahar in guava (*Psidium guajava* L.) Cv. Lucknow-49 under sodic soil
Rahul Kumar, Ashok Kumar, Saurabh Tiwari, Divyansh Mishra, Abhishek Pratap Singh, Vijay Kumar Maurya, Abhishek Sonkar and Garima Yadav 2539-2542
- Effect of rooting media and rooting hormone on shoot growth in ber (*Ziziphus mauritiana* Lamk) cv. Apple ber
S.S.N.M. Mahesh, A. Harshavardhan, M. Ravindra Babu and D.R. Salomi Suneetha 2543-2550
- Study on weed management practices in *kharif* greengram (*Vigna radiata* L.) under loamy sand in North Gujarat, India
Patel Yashkumar Bharatbhai, Veeresh Hatti, J.K. Patel, D.M. Patel, A.K. Singh and Vikash Kumar 2551-2562
- Effect of soil application and foliar application of nutrients on growth and yield of linseed in soybean–linseed cropping sequence
Meeta Kumari, Arvind Kumar Singh, S. Karmakar, C.S. Singh, Ashok Kumar Singh, R.P. Manjhi and P. Mahapatra 2563-2570
- Effect of Different Salinity Levels on Leaf and Flowering Attributes of Brinjal Varieties Grafted on *Solanum torvum*
Motapalukula Jyothi, T.B. Tambe, V.S. Khandare, V.N. Shinde, Syed Ismail and G.U. Shinde 2571-2577
- From Farm to Fork: How AI and IoT are Transforming Dairy Supply Chains - A Review of Current Practices and Future Prospects
Radha Rani, Nilay Deshpande, Brajapal Singh, Sandeep Kumar, Veerendra Kumar and Gyanendra Singh 2578-2588
- Yield Response of Strawberry (*Fragaria × ananassa*) to Different Organic Manures Under Polyhouse Condition
Pooja S. Beleri, Hanumantharaya B. G., M. Shalini and Vidya A. 2589-2594
- Influence of Nitrogen and Sulphur Fertilization on Growth and Yield of Indian Mustard (*Brassica juncea* L.)
Anjali Bhardwaj, Phool Chandra Singh, R.K. Singh, Priyanshi, Jitendra Yadav and Saurav Chaurasiya 2595-2599
- Optimizing Micronutrient Use for Enhanced Flowering and Yield in Ixora
K. Karthik, M. Ganga, R. Reshma and M. Visalakshi 2600-2606
- Growth and yield of lettuce as influenced by salinity levels and rooting substrates under hydroponic system of cultivation
Divya D., Ananthkumar M.A. and Yogesh G. S. 2607-2616
- Interactive Analysis of Morphological Characters of Groundnut with *Cercospora* Leaf Spot under the Gwalior-Chambal Agroecological Zone of Madhya Pradesh, India
Arun Garlapati, Shama Parveen and Akash Barela 2617-2620
- Variability and Correlation Studies in Radish (*Raphanus sativus* L.) Genotypes under Low Hills of Himachal Pradesh India
Santosh Kumari, Shalini and Akhilesh Sharma 2621-2627
- A study on the status and involvement of rural youth in different livelihood resources in Jalpaiguri district of West Bengal India
Saumyadip Chakraborty, Subhrajyoti Panda, Litan Das, Sabita Mondal, Firoj Aktar and Ainul Bari Malitha 2628-2632
- Sustainable Ridge Gourd Production through Introduction of High Yielding Variety Arka Prasan in Dakshina Kannada District of Karnataka, India
R. Rashmi, T.J. Ramesha, L. Mallikarjuna, Kedarnath and N. Chethan 2633-2638
- Assessment of advanced rice (*Oryza sativa* L.) breeding lines for bacterial blight resistance and yield related traits
K.P. Gaganashree, K.N. Yamini, R. Karthik, M.S. Anantha, T. Kiran Babu and G.S. Laha 2639-2647
- In Vivo* Efficacy of Antiviral Compounds, Botanicals and Biocontrol Agents against Mungbean Yellow Mosaic Virus in Mid-Hills of Meghalaya, India
Binita Kalita, L. Sanajaoba Singh, Ng. Tombisana Meetei, T. Rajesh, Mayengbam Premi Devi and Kennedy Ningthoujam 2648-2652
- Prediction of Future Land Use-Land Cover using Cellular Automata-Markov Chain Model in Sind River Basin of Central India
Rooha Blessy, C.K. Saxena, K.V. Ramana Rao, R.K. Singh, Karan Singh and Manoj Kumar 2653-2662
- In Vitro* and *In Vivo* Evaluation of Bio-agents and Plant Extracts for the Management of Sheath Blight in Paddy (*Oryza sativa* L.)
Shaik Asif Basha, Sunil Zacharia, Piyush Kumar, Babburi Sai Maheswari, Piyush Parihar, Kumar Suman, Chetan Chopra and Masoom Ali 2663-2667
- Impact of Scientific Lac Cultivation on Tribal Community in Kanker District of Chhattisgarh India
Milan Singh, Saiwan Kumar and Dayanand Sai Painkra 2668-2674

- Influence of Abiotic Factors on the Population Dynamics of Gram Pod Borer (*Helicoverpa armigera*) in Chickpea
G. Balraj, Rabindra Prasad, Dharanikota Lalithambica Devi and Sandeep K. 2675-2678
- Sustainable Intensification of Agriculture: Balancing Productivity and Environmental Impact – A Review
Anil Kumar, Kiran Sourav Das, S. Dayanandanaik, Rashmi Mishra, Gautam Veer Chauhan, Smriti Hansda, Sukhdam Singh and Ranjeet Singh Bochalya 2679-2694
- Evaluating the Role of Biochar and Humic Acid in Enhancing Lentil Performance Under Field Conditions
Sumit Chauhan, Kartik Bhardwaj, Apurv Kaintura, Yumlembam Aakhilesh Singh, Shreya and Deepak Rao 2695-2700
- Bio-efficacy studies of Bio stimulant (Unique) in relation to growth, yield and shelf-life of Thompson Seedless grape variety under multilocation
R.G. Somkuwar, Sadashiv Landage, P.B. Kakade and N.J. Gobade 2701-2708
- Application of Sea weed extract and citric Acid Seed Priming for Enhanced Germination and Yield attributes of Lentil (*Lens culinaris* L.)
Kartik Bhardwaj, Sumit Chauhan, Yumlembam Aakhilesh Singh, Apurv Kaintura, Astha Dixit and Deepak Rao 2709-2713
- Effect of Incorporation of Lemongrass on Quality Characteristics of Kiwi Based Nectar
Abhay Bhagat, Monika Sood, Julie D. Bandral, Neeraj Gupta, Kamaldeep Kour and Mehnaza Bashir 2714-2718
- Combining ability studies in tomato (*Solanum lycopersicum* L.) for quality parameters
Harshada R. Galande and V. S. Khandare 2719-2723
- Rediscovery of *Strobilanthes khasyana* (Acanthaceae): A Little-Known Endemic Species of North East India
Y. Mahesh, R. Kottaimuthu and N. Odyuo 2724-2726
- Assessment of macro-nutrient status in the tomato leaves: A field-based study from Sirmour district of Himachal Pradesh, India
Aanchal, Anil Kumar, Swapana Sepehya and Saurabh Thakur 2727-2734
- Effects of light intensity on biomass yield in microalgae grown in peel waste water
Aditya Lal, Ajay Singh, Harison Masih and R.N. Shukla 2735-2740
- Fungicide Strategies for Combating Onion Blights in Jammu : A Field Study
Rupali Kaushik, Rupinder Kaur, Prerana Badoni, Manish Chauhan and Ashok Kumar Singh 2741-2746
- Standardization of Protocols for the Development of Guava Leaf Tooth powder for a Radiant Smile
Sailakshmi S., T. Uma Maheswari and M. Visalakshi 2747-2752
- Effect of different doses of chemical and physical mutagen on genetic variability and character association in M_1 and M_2 generation of *Momordica balsamina* L.
Sharavati B., Vijayakumar R., Vilas D.G., Ramachandra N.K., Mukesh C., Shashikant E., Prashantha A. and Mahantesha, N.B.L. 2753-2761
- Assessment of Genetic Variability, Heritability and Genetic Advance in advanced generation clones of sugarcane at Kabirdham District of Chhattisgarh India
Dinesh Kumar Thakur, Nirmodh Prabha, Rajeev Shrivastava and Chowa Ram Sahu 2762-2766
- Evaluation of Nutrient Release Dynamics of Silkworm Pupa Compost
Ambruthavarshini, K.R. Ashoka, D.V. Naveen, T. Bhagyalakshmi, V.B. Sanath Kumar and L. Vijay Kumar 2767-2775
- Effect of Weed Management Practices on Growth and Crop Productivity under Different Rice Establishment Techniques in Early *ahu* Season
Gaurav Kumar, Anshu Kumar, Nirmal Karan, Sarat Sekhar Bora, Ranjit Kumar Saud, Manoj Kumar Chauhan, Nawab Tayab Rafique, Kuldip Medhi and Milon Jyoti Konwar 2776-2780
- Unraveling Trait Associations and Clustering Patterns in Advanced Mungbean Breeding Lines
K. Dharani Sree, Sumangala Bhat, Suma C. Mogali and Gurupad Balol 2781-2784
- Effects of Humic Acid on Wheat Growth and Yield: A Review
Jag Mohan and Vikas Tomar 2785-2793
- Soil-Plant Nutrient Interactions and Economic Returns of Radish (*Raphanus sativus* L.) Cv. Japanese White
Akshay Sawant and Yogesh Shaniware 2794-2798
- Influence of Nano Urea and Nano DAP on Crop Nutrient Content, Uptake and Soil Fertility Status in Blackgram (*Vigna mungo*)
Kamta Prasad Pandey, Aniket Kalhapure, Suraj Mishra, A.K. Chaubey, Amit Kumar, Balveer Gautam and Saurabh Kumar 2799-2806
- Obstructions in Collection, Processing and Marketing of Major Forest Produces in Bastar District of Chhattisgarh, India
Hema Kashyap and Sajiwan Kumar 2807-2812
- Comparative Status of Foliar Diseases and Soil Microbiome in Natural and Chemical Farming Systems of Apple Production
Sweta Pathania and Neelam Kumari 2813-2822

- Identification, isolation, screening of suitable medium and temperature and *in vitro* management of anthracnose-causing pathogen of lucky bamboo grown in West Bengal India
Poulomi Gangopadhyay and Birendra Nath Panja 2823-2829
- Diversity Assessment and Selection of Candidate Plus Trees of *Artocarpus hirsutus* Lam. in Central Kerala India
E.A. Niveditha, Sreejith Babu, A.V. Santhoshkumar, N.K. Binu and R. Vishnu 2830-2836
- Impact of Vocational Training with special reference to Problems Faced and Suggestions Invoked by the Beneficiaries for Improvement in Chhattisgarh, India
Kumari Jyoti, Saikat Maji and Dangi Pooja Arun 2837-2846
- Field evaluation of systemic fungicides for the management of Brown Leaf Spot caused by *Helminthosporium oryzae* (Breda De Haan) in basmati rice (*Oryza sativa* L.) and its impact on growth and yield
Piyush Parihar, Sunil Zacharia, Piyush Kumar, Nidhish Kumar, Kumar Suman and Sahil Kumar 2847-2855
- Correlation and Path Analysis of Potato Genotypes for Morphophysiological Traits under Indo-Gangetic Plain
Kamsali Pruthvi Raju, Kongari Soniya, Aman Tigga, Kommula Uday, G. Balraj, K. Suresh, Gundrathi Navya Sri, Mithilesh Kumar Singh and Teikur Majaw 2856-2860
- Socio-Economic Empowerment and Sustainable Livelihood Security of Tribal Farmers through Technological Intervention: An Impact Analysis
Rajesh Kumar, Bagish Kumar, M. Thoithoi Devi, Abul K. Azad, G. Kadirvel, Preeti Mamgai, Purnima Saikia, Munmi Boruah, Musliha Nasrin, Apurba Baruah, Sudeshna Ray and Jugabrat Sarma 2861-2867
- Harvesting Greens: Unveiling the Economics of Terrace Gardening
M. Medha and T. Lavanya 2868-2874
- In vitro* and *in vivo* efficacy of different fungicides against *Alternaria* leaf spot of cabbage caused by *Alternaria brassicicola*.
Ameer sohil, G.K. Sudharshan, K.S. Shankarappa, B. Anjaneya Reddy, K. Padmanabha and Jayashree Ugalat 2875-2880
- Productivity, Nutrient uptake and Economics of *Rabi* mustard (*Brassica juncea* L.) as Influenced by different integrated weed management practices
A. Vasanth, P. Madhukar Rao, N. Mahesh and G. Venu Gopal 2881-2892
- Performance of wheat genotypes over the environments
Shalvi Aishwarya Verma, Surya Prakash, Yogendra Prasad, Manigopa Chakraborty, Shivam Mishra, Anita Pande and Nilay Kumar Bhagat 2893-2897
- Study of nitrogen release pattern in red sandy, medium black and deep black soils of Northern Telangana zone: A laboratory incubation study
Kayitha Vilakar, Rathod Sridhar and Boya Paramesh 2898-2906
- Comparative Study for Major Crops in Rajasthan, India
Supriya, H.L. Singh, Prateek Kumar, Ishita Omar, N. Manaswini, Catherine Mueni Peter and Unmesha Dhar 2907-2922
- Comparative Efficacy of Botanicals, Biopesticides and Chemical Control on Thrips and Their Natural Enemies in Garlic
M. Yamini, P.S. Tippannavar, M.G. Hegde and S.M. Hiremath 2923-2928
- Study on Pathogens causing Post-harvest Diseases in Banana
Chinmayee Sahoo and N.B. Pawar 2929-2935
- NLR Rice 3238: A Short Duration Zinc Enriched Rice Variety Suitable for Irrigated Ecology of Andhra Pradesh, India
Sreelakshmi Ch., P. Ramesh Babu, U. Vineetha, P. Madhusudhan, I. Paramasiva and Sk. Sameera 2936-2942
- Assessment of combining ability and hybrid performance for morphological traits in oats (*Avena sativa*)
Niharika Yaduvanshi, Shweta, R.K. Yadav, Lokendra Singh, V.K. Yadav, Rishab Gupta and Shashi Kant 2943-2954
- Socio-Economic Impact of Mushroom Cultivation on Mushroom Growers in Kangra Valley of Himachal Pradesh, India
Saina Walia, Girish Mahajan, Rajesh Thakur, Manoj Gupta and Brij Bala 2955-2963
- Effect of Integrated Nutrient Management on Post Harvest Life of *Gladiolus*
Prachi Mishra, Navaldey Bharti and Sarita Devi Gupta 2964-2966
- Performance of soft wood grafting of Dashehari mango on various rootstocks
Amar Jeet, Sutanu Maji and Deepa H. Dwivedi 2967-2973
- Cultural, Morphological and Pathogenic variability in *Phytophthora drechslerif.sp. cajani* Isolates causing Stem blight of Pigeon pea (*Cajanus cajan* L.)
Deepak Kumar, Satyendra Kumar Vishwakarma, Gaurav Ayodhya Singh, Rishi Nath Pandey and Pankaj Singh 2974-2980
- Soil fertility evaluation in southern transition zone of Karnataka, India
Vidya S. Patil, Praveenkumar B. Naikode, Shivanna M., Ashok S. Alur and Manjunath Ramanna 2981-2986
- Impact of Seasonal Variation on Mycoflora Diversity in Stored Chia (*Salvia hispanica* L.) Seeds: An Investigation on Fungal Growth Patterns
Avinash Jain and Shyam Govind Singh 2987-2991
- Molecular and Phenotypic Evaluation of Pigeonpea Genotypes for resistance to *Fusarium* wilt by *in vivo*, *in vitro* and marker Assisted Screening Methods
G. Srushti, Mallikarjun Kenganal, D. Pramesh, S.T. Yenjerappa and S. Muniswamy 2992-3002