

Contents

Plant Growth Regulators in Vegetable Production : An Overview	619-626
Sunil Prajapati, Tarun Jamkar, O. P. Singh, Neelesh Raypuriya, Rishikesh Mandloi and P. K. Jain	
Morphological Characterization and Comparison of different Accessions of Traditional Aromatic Rice Varieties Bisni, Dubraj, Vishnubhog and Chinnor	627-632
Nirmala Bharti Patel, Namrata Dhirhi and Rajeev Shrivastava	
Effect of different Sources and Levels of Potassium on Yield and Carotenoids Content of African Marigold (<i>Tagetes erecta</i> Linn.) cv. 'Maxima Yellow'	633-636
M. Sanghamitra, V. Vijaya Bhaskar, A. V. D. Dorajee Rao and P. Subbaramamma	
Genetic Variability and Inter-relationship Analysis for Various Yield Attributing and Quality Traits in Traditional Germplasm (<i>Oryza sativa</i> L.)	637-645
Ruth Elizabeth Ekka, A. K. Sarawgi and Raja R. Kanwar	
Management of Dry Root Rot of Blackgram caused by <i>Macrophomina phaseolina</i> (TASSI) Goid. using Bio Agent	647-650
Sowmya Tetali, S. Karpagavalli and S. Lalitha Pavani	
An Economic Analysis of Rice Cultivation and Constraint in Dhamtari District of Chhattisgarh, India	651-656
Dwarikadhish Churpal, A. K. Koshta and V. K. Choudhary	
Response of Calendula to Plant Density for Cut Flower Production	657-660
Neha Chopde, J. G. Jadhav and M. H. Bhande	
Performance of Chilli (<i>Capsicum annum</i> L.) Genotypes for Yield and Yield Attributing Traits	661-666
M. Janaki, C. Venkata Ramana, L. Naram Naidu and M. Paratpara Rao	
Performance of a Highly Potent Strain of <i>Trichoderma harzianum</i> Possessing Egg Parasitic Character Against Root Knot Nematode in Addition to Mycoparasitism Isolated from Vegetal de Growing Area of Northern India	667-670
Neetu Singh, Chaitali Bhattacharya, Archana Singh, M. C. Sharma and B. K. Goswami	
Field Incidence of Mealybugs and its Parasitization by Encyrtids in Various Crop Ecosystems	671-676
T. Nalini	
The Knowledge Level of Farmers Regarding Parthenium (<i>Parthenium hysterophorus</i> L.) Weed and their Control Actions	677-683
Uma Rani Singh, K. K. Shrivastava, Virendra Kumar Painkra and Preeti Khare	
Correlation Coefficient Analysis for Yield and Yield Attributes in Groundnut (<i>Arachis hypogaea</i> L.)	685-689
R. Prabhu, N. Manivannan, A. Mothilal and S. M. Ibrahim	
Growth, Yield and Quality of Gladiolus as Influenced by Growth Regulators and Methods of Application	691-694
Neha Chopde, Ashwini Patil and M. H. Bhande	
Correlation and Path Analysis in Sweet Potato [<i>Ipomoea batatas</i> (L.) Lam]	695-699
Sasmita Priyadarsini Dash, Jitendra Singh, Thalesh Panigrahi and Padmakshi Thakur	
Effect of Sprouting Time on Antinutritional Factors in <i>Vigna mungo</i> Varieties	701-703
Aradhana Kumari and Yashodhara Verma	
Genetic Variability, Heritability and Genetic Advance in Tomato (<i>Solanum lycopersicum</i> L.)	705-709
Neeraj Singh, C. N. Ram, Chandra Deo, G. C. Yadav and Devesh Pratap Singh	
Extraction Method of Flax Fibre and its Uses	711-716
Namrata Dhirhi, Rajshree Shukla, Nirmala Bharti Patel, Hemant Sahu and Nandan Mehta	
Effect of Lead and Cadmium Stress on Biochemical Parameters and Antioxidant Activity in Germinated Seedlings of <i>Cicer arietinum</i> L.	717-721
Gulam Khwaza and Yashodhara Verma	
The Growth, Yield and Quality Parameters of Banana Cultivar Grand Naine (AAA) as Influenced by different Organic Amendments	723-727
S. Firoz Hussain, S. Naresh, A. V. D. Dorajee Rao and M. L. N. Reddy	
Response of Wheat (<i>Triticum aestivum</i> L.) to the Foliar Applied Brassinosteroid and Thiourea with Recommended Fertilization Practice on Farmer's Fields	729-732
K. M. Sharma, Ram Asarey and Harish Verma	
Assessment of Floristic and Avian Faunal Diversity of Bhindawas Wetland, Jhajjar (Haryana), India	733-740
Sunil Kumar and Rajesh Dhankhar	
Study the Economic Analysis and Benefit-Cost Ratio of Green Pea (<i>Pisum sativum</i>) at different Level of Farm Size Groups	741-742
Ajit Verma, Indra Jeet Singh, Savita Gupta, S. P. Singh and Avinash Kumar	
Assessment of Genetic Diversity in Indigenous Genotypes of Tikhur (<i>Curcuma angustifolia</i> Roxb.)	743-751
Deo Shankar, S. S. Rao, D. P. Singh, P. S. Markam and M. K. Sahu	
Assessment of Nutrient Status of Rice Growing Soils of Canal Ayacut Soils of Kurmool District (A.P.), India	753-758
P. N. Siva Prasad, P. Kavitha and N. Kishore Kumar Yadav	

Response of <i>Jasminum sambac</i> (L.) to Time and Severity of Pruning	Sushma Lokhande, Neha Chopde, Parinita Wasnik and Neha Nehare	759-762
Antagonistic Potential of Mycorrhiza Associated <i>Pseudomonas putida</i> against Soil Borne Fungal Pathogens	B. Saritha, P. Panneerselvam and A. N. Ganeshamurthy	763-768
Effect of Seed Rhizome Size and Plant Spacing on Growth, Yield and Quality of Ginger (<i>Zingiber officinale</i> Rosc.) under Coconut Cropping System	B. Mahender, P. Syam Sundar Reddy, G. Thanuja Sivaram, M. Balakrishna and B. Prathap	769-774
Insect Pests Associated with Basmati Rice in Western Plain Zone of Uttar Pradesh, India	Uma Pal Saini, S. K. Sachan*, Amrendra Pratap, B. Singh and Kaushlendra Kumar	775-777
Effect of Organic Manures and Inorganic Fertilizers on Growth and Flower Yield of Marigold (<i>Tagetes erecta</i> L.) var. Pusa Narangi Gaiinda	Lal Singh, P. K. S. Gurjar, A. K. Barholia, A. Haldar and A. Shrivastava	779-783
Comparative Studies on Tissue Culture Plantlet versus Conventional Sucker var. Grand Naine Banana	M. R. Bhanusree, K. Ravi Kumar, C. P. Suresh, G. Shukla and S. Chakravarty	785-788
Problems Faced by Tribes in Collection and Marketing of Non-timber Forest Products (NTFPs) in Chhattisgarh, India	Ashish Kumar Gupta, M. L. Sharma, M. A. Khan, S. Narbaria and A. Pandey	789-793
Improvement in Nutritional Properties of Product through Fortification with Aloe vera, Mushroom and Pearl Millets	Seema Sonkar and Alka Singh	795-800
Response of Annual Chrysanthemum Genotypes to different Levels of Nitrogen	Neha Chopde, K. S. Gore, Ommala Kuchanwar and M. H. Bhande	801-804
Comparative Efficacy of some Biopesticides Against Shoot and Fruit Borer, <i>Leucinodes orbonalis</i> Guenee in Brinjal	Mohit Singh and S. K. Sachan	805-808
Knowledge of Recommended Brinjal Production Technology among the Farmers	Yogendra Shriwas, J. D. Sarkar, H. K. Awsthi and Neha Sarthi	809-812
Adoption of Storage Practices of Food Grains among the Farmers of Northern Hills of Chhattisgarh, India	Gamini Sahu, K. K. Shrivastava and B. K. Chaturvedi	813-815
Differential Responses of Sugarcane (<i>Saccharum officinarum</i> L.) Varieties Exposed to Salinity under a Hydroponic System	R. Anitha, P. Christy Nirmala Mary, M. Antony Joseph Ravi Savery, N. Sritharan and R. S. Purushothaman	817-822
Effect of Age of the Rootstock on the Success of Softwood Grafting in Jack (<i>Artocarpus heterophyllus</i> Lam.)	T. Uma Maheswari and K. Nivetha	823-825
Adoption Pattern of Vegetable Cultivation Practices in River Bed Areas	Shilpa Beck, M. A. Khan, S. Narbaria and N. K. Gupta	827-832
Efficacy of Bio-pesticides Against the Jassid, <i>Amrasca biguttula biguttula</i> in Okra at Bhubaneswar, Odisha, India	Mohanisha Janghel	833-836
Response of Gladiolus var. "American Beauty" to Spacing and Corm Size	M. H. Bhande, Neha Chopde, Parinita Wasnik and V. P. Warkade	837-840
Study the Cost of Cultivation and Net Income of Mustard in Different Farm Size Groups on the Fields	Ajit Verma, Savita Gupta, Indra Jeet Singh, S. P. Singh and Avinash Kumar	841-842
Constraints in Adoption of Modern Agricultural Technologies on Leased Forest Land	Nitish Kumar Gupta, M. A. Khan, S. Narbaria and S. Beck	843-845
Variation in Crop Yield in Rice-Wheat Dryland Agroecosystem : Impact of Varying Resource Quality Inputs	Aanchal Agarwal and Nandita Ghoshal	847-851
Growth and Physiological Response of <i>Dendrobium cv. earsaku</i> in Different Growing Conditions	M. Raja Naik and K. Ajith Kumar	853-861
Assessment of Genetic Variability, Heritability and Genetic Advance for Seed Yield and its Attributes in Linseed (<i>Linum usitatissimum</i> L.)	Nimit Kumar, Satish Paul and Ranjana Patial	863-867
Studies on Correlation and Path Coefficient Analysis in Tomato (<i>Solanum lycopersicum</i> L.)	Neeraj Singh, C. N. Ram, Chandra Deo and G. C. Yadav	869-873
Influence of Genotype and Seed Weight on the Performance of Rootstock and the Success of Softwood Grafting in Jack (<i>Artocarpus heterophyllus</i> Lam.)	K. Nivetha and T. Uma Maheswari	875-878
Response of Castor (<i>Ricinus communis</i> L.) to Sulphur under Irrigated Conditions of Uttar Pradesh, India	S. K. Srivastava and Jagdish Kumar	879-881
Study the Yield and Economics of Pigeon pea (<i>Cajanus cajan</i>) at Different Size of Holdings	Ajit Verma, Savita Gupta, Indra Jeet Singh, S. P. Singh and Avinash Kumar	883-884

- Farmer's Response on Kisan Mobile Advisory : A Critical Evaluation
P. K. S. Gurjar, Lal Singh, L. S. Gurjar, C. B. S. Jatav, A. Haldar and Jagati Yadagiri 885-887
- Biology of Brinjal Shoot and Fruit borer, *Leucinodes orbonalis* G. under Lab Condition at 35°C Temperature and 90% Relative Humidity during 2009 and 2010
Adbhut Yadav, S. K. Sachan, Arvind Yadav and Tarun Yadav 889-893
- Evaluation of Scented Rose Varieties for Yield and Quality of Flowers
Parinita Wasnik, V. U. Raut, M. H. Bhande and V. B. Shambhavkar 895-897
- Effect of Plant Growth Regulators on Flowering and Yield of Muskmelon (*Cucumis melo*L.)
Y. Reenata Devi and P. Madhanakumari 899-901
- Knowledge and Adoption of Management Practices of Prevalent Insects of Groundnut Crop
B. K. Chaturvedi, K. K. Shrivastava and C. P. Khare 903-907
- Development and Standardization of Soup Mix based on Black Rice and Okra Powder Value Added with Barley
Seema Sonkar, Tanu Shree Saha and Alka Singh 909-911
- Agrometeorological Indices of Rice Cultivars under different Environment at Navsari (Gujarat), India
B. M. Mote, Neeraj Kumar and Y. G. Ban 913-917
- Genetic Divergence in Round Fruited Brinjal (*Solanum melongena*L.)
G. Kranthi Rekha and V. A. Celine 919-921
- Assessment the Efficacy and Economic of Insecticides and Bio-pesticides against Major Insect Pest Combination of Brinjal (*Solanum melongena*Linn.) cv. JB-64
Satyendra Patel, Rishikesh Mandloi, Sunil Prajapati, A. K. Saxena and Ravindra Parmar and Om Pal Singh 923-930
- Effect of Foliar Silicic Acid on Growth and Yield Attributes of Rose Cut Flowers (*Rosa hybrid*)
Shrinivas Chikkur, N. B. Prakash, A. S. Parmeshwar and L. Rajeshwari 931-937
- Physico-chemical Characters and Sensory Evaluation of Jamun based Blended Squash Beverages during Storage
N. Priyanka, A. V. D. Dorajeerao, V. Sudhavani and K. Umakrishna 939-946
- Effect of Planting Time and Plant Densities on Yield and Yield Contributing Characters in Garlic (*Allium sativum*L.) cv. Jamnagar
G. Vidya 947-952
- Induction of Defense Enzymes and Suppression of *Macrophomina phaseolina* : A Root Rot Pathogen, Inciting Black Gram by Micronutrient Enriched *Trichoderma viride*
S. Lalitha Pavani, D. Alice and Sowmya Tetali 953-958
- Studies on Farmers Perception about Maize based Cropping System in Irrigated Ecosystem of Gataprabha Left Bank Cannel
R. Mohan Kumar, B. T. Nadagouda and S. M. Hiremath 959-961
- Studies on the Effect of Different Chemicals on the Vase Life of Cut Gerbera** (*Gerbera jamesonii*Bolus ex. Hook) cv. ALPPRAZ
P. Hema, V. Vijaya Bhaskar, M. R. Bhanusree and D. R. Salomi Suneetha 963-966
- Effect of Food, Host Densities and Mating Status on Parasitization of *Aenasius bambawalei* Hayat and *Aenasius advena* Compere (Hymenoptera : Encyrtidae)
T. Nalini 967-972
- Effect of Planting Time and Plant Densities on Maturity and Yield of Garlic (*Allium sativum*L.) cv. Jamnagar
G. Vidya 973-976
- Studies on Thermal, Optimal and Bio-physical Behavior of Maize Hybrids as Influenced by Plant Population and Levels of Fertilization in Irrigated Eco-system
R. Mohan Kumar, B. T. Nadagouda and S. M. Hiremath 977-982
- Effect of Integrated Nutrient Management on Growth and Yield of Rice (*Oriza sativa*L.) in Inceptisol
Yugal Kishor Sahu, A. K. Chaubey, V. N. Mishra, A. S. Rajput and R. K. Bajpai 983-986
- Thermal requirements for Attainment of Phenophases of Rice Cultivars under Variable Weather Conditions
B. M. Mote, Neeraj Kumar and Y. G. Ban 987-990
- Study on Seed Management Pattern Followed by the Tribal Farmers of Northern Hills Agro-climatic Zone of Chhattisgarh State, India
Akanksha Pandey, M. L. Sharma, P. K. Pandey, A. K. Gupta and S. Narbaria 991-995
- Nature and Degree of Distribution for Yield and Yield Attributes in Six Backcross Populations of Groundnut (*Arachis hypogaea*L.)
R. Prabhu, N. Manivannan, A. Mothilal and S. M. Ibrahim 997-1001
- Phenotypic and Molecular Characterization of Microsymbionts Associated with *Crotalaria medicagenia* : A Native Legume of the Indian Thar Desert
Indu Singh Sankhla, Raju Ram Meghwal, Nisha Tak, Alkesh Tak and Hukam Singh Gehlot 1003-1010
- Studies on Application of different Sources of Nitrogen to Evaluate the Yield of Wheat
I. D. Singh, Deepali Bajpai and Sanjeev Verma 1011-1012
- Evaluation of Pigeonpea Genotypes for Resistance to *Fusarium*wilt
M. B. Parmar and K. B. Kathiria 1013-1015
- Selected Personal and Socio-economic Characters of Bt Cotton Growers
Sanjay Kumar 1017-1020
- Economics and Quality Parameters of Toria Varieties as Influenced by Sowing Dates and Sulphur Levels
Ashutosh Pratap Singh, Puspendra Kumar, Mayank Kumar, Mamta and S. Elamathi 1021-1024
- Genetic Dievergence in Sweet Potato [*Ipomoea batatas*(L.) Lam] **Sasmita Pr. Dash, Sunil K. Nair and Padmakshi Thakur** 1025-1029
- Rootability of Hardwood Cutting of Mulberry (*Morus alba*L.) Influenced by Planting Time and Growing Conditions under Valley Condition of Garhwal Himalayas
K. K. Singh, Dev Kishan Jat and S. K. Mehta 1031-1036

Evaluation of Bottle gourd [<i>Lagenaria siceraria</i> (Mol.) Standl.] Genotypes	
Padmakshi Thakur, Dhananjay Sharma, Vaibhav Kant Visen and Sasmita Priyadarsini Dash	1037-1040
Biochemical Changes in Relation to Seed Quality in Accelerated Aged Cotton Seed Varieties in different Containers	
Nishtha Yadav and R. S. Brar	1041-1050
Constraints Faced By Chickpea Growers In Adoption of Integrated Pest Management Practices	
Manish Kerketta, H. K. Awasthi and Yogendra Shriwas	1051-1053
Differential Responses of Sugarcane (<i>Saccharum officinarum</i> L.) Genotypes under Salt Stress Condition	
R. Anitha, P. Christy Nirmala Mary, M. Antony Joseph Ravi Savery, N. Sritharan and R. S. Purushothaman	1055-1060
Density and Efficacious Stages of Some Predator against two Spotted Spider mite, <i>Tetranychus urticae</i> Koch	
Dharmendra Kumar and M. Raghuraman	1061-1064
Gas Chromatography-Mass Spectrometric Analyses of Acetone Extract of Marwar Dhaman Grass for Bio-active Compounds	
Premlata Singariya, Krishan Kumar Mourya and Padma Kumar	1065-1074
High Density Planting of Cotton Variety AKH – 081 under Rainfed Condition of Vidharbha	
A. N. Paslawar, A. S. Deotalu and P. W. Nemade	1075-1077
Impact of Front Line Demonstration of Management Practices on Wheat (<i>Triticum aestivum</i>) under Irrigated Conditions	
B. K. Tiwari, K. P. Tiwari, K. V. Sahare and P. N. Tripathi	1079-1082
Utilisation of Jamun Juice by Making Blended RTS Beverage	
N. Priyanka, A. V. D. Dorajeeroo and V. Sudhavani	1083-1088
Managements of Stem Borer, <i>Coelosterna scrabrator</i> Fabr. in Grapevine	
D. Anitha Kumari and D. Vijaya	1089-1091
An Assessment of Physico-chemical Water Quality of Kolong River, Nagaon District (Assam), North East India	
K. K. Medhi, S. Borkataki and M. P. Choudhury	1093-1096
Effect of different Tree Canopy Soils on Growth and Quality of Orange Seedlings Rootstock	
Pooja P. Deotale, Ommala D. Kuchanwar, Neha Chopde and Rashmi Urkude	1097-1099
Influence of Growth Regulators on the Shelf Life of Sweet Orange cv. Sathgudi	
V. Hemalatha, J. Dilip Babu and A. Siva Sankar	1101-1106
Genetic Diversity in Brinjal (<i>Solanum melongena</i> L.) under Temperate Hills of Uttarakhand, India	
N. Madhavi, A. C. Mishra, Y. Pushpavathi and V. L. P. Kumari	1107-1110
Studies on Simple Correlation Matrix of Mesta (<i>Hibiscus subdariffa</i> L.) of two Years in a Location	
Sk. Samsuddin and Jagatpati Tah	1111-1115
Histological Changes in Liver and Kidney of Cat fish, <i>Heteropneustes fossilis</i> , Exposed to Pentachlorophenol (PCP)	
Abhay Kumar Pandey and Sunanda Dubey	1117-1120
A Study on Physiological Attributes and Yield in Developed Rice Genotypes	
M. Chandrika, A. Siva Sankar, C. H. Surender Raju, S. Narender Reddy and R. Jagadeeshwar	1121-1125
Influence of Organic and Inorganic Fertilizer on Nutrient Content in Broccoli (<i>Brassica oleracea</i> var. <i>Italica</i>)	
Swagatika Srichandan, Alok KU Mangaraj, Aneeta Mohanty, Kamala Kanta Behera	1127-1130
Precision Nutrient Management for Soil Spatial Variability	
B. T. Nadagouda and P. S. Tippannavar	1131-1137
Life Table Studies of Green Semilooper on Soybean	
Madhuri S. Laute, Nikita V. Patil and U. P. Barkhade	1139-1145
Growth and Yield Attributes, Yield, Fibre Quality and Economics of <i>Hirsutum</i> Cotton as Influenced by Foliar Application of KNO ₃	
Jagdish Kumar and S. K. Srivastava	1147-1149
Molecular Characterization of Aromatic Rice, <i>Oryza sativa</i> L. using Simple Sequence Repeats (SSR) Markers	
Nirmala Bharti Patel, Namrata Dhirhi, Rajeev Shrivastava and Mayuri Sahu	1151-1156
Performance of Ash gourd Genotypes for Earliness and Yield under Chhattisgarh Plains, India	
Parmeshwar Kumar Sahu, Dhananjay Sharma and Sunil Kumar Nair	1157-1160
Genetic Variability, Interrelationship and Path Analysis for Yield and Yield Related Traits in Onion (<i>Allium cepa</i> L.) under Temperate Condition in Kashmir Valley	
M. A. Chattoo, Angrej Ali and Kamaluddin	1161-1165
Assessment of Cotton Seed Deterioration During Accelerated Ageing : Changes in Physiological Aspects	
Nishtha Yadav and R. S. Brar	1167-1173
Genetic Divergence Studies in Bottle gourd [<i>Lagenaria siceraria</i> (Mol.) Standl.]	
Vaibhav Kant Visen, Padmakshi Thakur, D. Sharma and S. K. Nair	1175-1178
Antimicrobial Activities of <i>Carica papaya</i> L.	
J. Lohidas, S. Manjusha and G. Glory Gnana Jothi	1179-1186
Effect of different Levels of Sulphur and FYM on Yield and Soil Nutrient Status of Chickpea	
Vedhika Sahu, V. N. Mishra, L. K. Shrivastava and Purnendra Kumar Sahu	1187-1189
Correlation Studies in Temperate Maize (<i>Zea mays</i> L.) Inbred Lines	
Z. A. Dar, A. A. Lone, B. A. Alaie, G. Ali, A. Gazal, S. Gulzar and N. Yousuf	1191-1194
Infestation of an Endoparasitic Migratory Rice Root Nematode, <i>Hirschmanniella oryzae</i> - A Serious Threat to the Paddy Growers of Western U.P. – A First Report	
B. K. Goswami, Archana Singh, Neetu Singh and Satyendra Singh	1195-1196

