

# PLANT ARCHIVES

|           |              |             |
|-----------|--------------|-------------|
| Volume 26 | Supplement 2 | July – 2026 |
|-----------|--------------|-------------|

| S. No. | TITLE                                                                                                                                                                                             | AUTHOR                                                                                                                                          | PAGE NO. |     |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|
| 1      | EPIDEMIOLOGY AND MANAGEMENT STRATEGIES OF <i>Botrytis tulipae</i> (BOTRYTIS BLIGHT) OF TULIP: A COMPREHENSIVE REVIEW                                                                              | M.M. Rifana Ajam, Iram Iqbal, Kayalvizhi K., Tanzeela Habib, Kshetrimayum Jabaskumar Singh, Sachin Mog, Anjana A. K., Gousia Gani and Ali Anwar | 1        | 12  |
| 2      | FROM CO <sub>2</sub> EMISSIONS TO CROP COLLAPSE: INVESTIGATING THE CLIMATE DOMINO EFFECT ON GLOBAL AGRICULTURAL SYSTEMS                                                                           | Deepti Mayee Gochhayat, Lopamudra Nayak and Shilpa Kaushal                                                                                      | 13       | 30  |
| 3      | OPTIMIZING AGRICULTURAL PRODUCTIVITY IN MINING-PROXIMATE LANDSCAPES: A SOIL-SITE SUITABILITY ASSESSMENT                                                                                           | Ajay Abhishek, Sathish A., Ashwini Agarwalla, Barath Gowda H., Roopa T. D. and Ajay                                                             | 31       | 47  |
| 4      | ZINC DYNAMICS IN SOIL-PLANT SYSTEM AND ITS IMPLICATION FOR CROP NUTRITION- A REVIEW                                                                                                               | Neeraj Bhadu, Akhil Bharti, Aaina Sharma and Mohit Kamboj                                                                                       | 48       | 62  |
| 5      | ESTIMATION OF GENETIC VARIABILITY, CORRELATION AND PATH ANALYSIS FOR YIELD AND YIELD CONTRIBUTING TRAITS IN BREAD WHEAT ( <i>Triticum aestivum</i> L.) GERMPLASM                                  | Arpita Singh Tomar, Gideon Synrem and Sharad Pandey                                                                                             | 63       | 70  |
| 6      | EFFECT OF DIFFERENT GROWING ENVIRONMENTS ON GROWTH AND YIELD OF RICE CROP UNDER VARIOUS ESTABLISHMENT METHODS                                                                                     | Brajendra, Sufiya Zoureen, R. Gobinath, Mangal Deep Tuti, Munna Lal, Varsha Rani and Anand K. Vishwakarma                                       | 71       | 75  |
| 7      | EFFECT OF INTERCROPPING SYSTEMS AND FERTILITY LEVELS ON GROWTH AND YIELD OF SUMMER PEARL MILLET ( <i>Pennisetum glaucum</i> L.) UNDER MIDDLE GUJARAT CONDITIONS                                   | Nisha Chauhan, G.N. Motaka, Bhavna Nandaniya and V.B. Mor                                                                                       | 76       | 80  |
| 8      | EFFECT OF NANO NPK IN COMBINATION WITH COMMERCIAL FERTILIZERS ON GROWTH, YIELD AND QUALITY OF TURMERIC ( <i>Curcuma longa</i> L.)                                                                 | Anasuya Sil and Jitesh Kumar Hore                                                                                                               | 81       | 88  |
| 9      | INFLUENCE OF ORGANIC SEED TREATMENT AND GROWING MEDIA ON GERMINATION BEHAVIOR AND SEEDLING GROWTH OF PAPAYA ( <i>Carica papaya</i> L.) CV. RED LADY                                               | Priyanshi Gupta, Rajnee Sharma, Reena Nair, Rupali Koshti, Neetu Baghel and Shikha Arya                                                         | 89       | 95  |
| 10     | DATA-DRIVEN MODELING OF NUTRITIONAL QUALITY AND DIGESTIBILITY OF ALGAL PROTEINS FOR BIOMEDICAL INFORMATICS APPLICATIONS                                                                           | Nancy Kumari and Ankita Lakade                                                                                                                  | 96       | 102 |
| 11     | IDENTIFICATION OF RESISTANCE SOURCES FOR PURPLE BLOTCH OF ONION ( <i>Alternaria porri</i> ) IN FIELD CONDITIONS                                                                                   | Tejaskumar M. K., Jayalakshmi S.K., Yenjerappa S.T., Ajithkumar K., Basavaraj S. Kalmath. and Hemalatha K. J.                                   | 103      | 116 |
| 12     | EPIDEMIOLOGICAL SURVEY AND DOCUMENTATION OF RICE TUNGRO VIRUS ACROSS INDIAN ENDEMIC ZONES                                                                                                         | A. Vedesree, M. Prameela, D. Krishnaveni, Satendra Kumar Mangutharia, and D. Saida Naik                                                         | 117      | 124 |
| 13     | <i>Solanum elaeagnifolium</i> Cav. (Solanaceae): A NEW RECORD FROM THE STATE OF PUNJAB, INDIA                                                                                                     | Rai Singh Dhillon                                                                                                                               | 125      | 128 |
| 14     | ASSESSMENT OF GENETIC DIVERSITY IN CORE SET OF HORSE GRAM ( <i>Macrotyloma uniflorum</i> Lam. Verdcourt) GERMPLASMS ACCESSIONS FOR YIELD ATTRIBUTING TRAITS AND POWDERY MILDEW DISEASE RESISTANCE | Shashidhara K.S., Shreyas Hegde, Prakash Koler, Kanavi M.S.P. and Mohan Rao                                                                     | 129      | 137 |
| 15     | EFFECT OF DIFFERENT ORGANIC NUTRIENT SOURCES ON GROWTH, YIELD AND YIELD ATTRIBUTES OF GREENGRAM ( <i>Vigna radiata</i> L.)                                                                        | Mukesh Kumar Yadav, A. R. Kaswala, P. K. Dubey and A. P. Italiya                                                                                | 138      | 143 |
| 16     | PHYSIOLOGICAL REGULATION OF DRY MATTER PARTITIONING AND NITROGEN USE EFFICIENCY IN RICE ( <i>Oryza sativa</i> L.) VARIETIES UNDER DIFFERENTIAL NITROGEN APPLICATION                               | D. Venkatesh Babu, P. Sudhakar, B. Srikanth, M. Srinivasa Reddy and Ch. Barghava Rami Reddy                                                     | 144      | 152 |
| 17     | A REVIEW ON DEVELOPMENT OF DIFFERENT VALUE-ADDED PRODUCTS FROM EDIBLE AND NON-EDIBLE PARTS OF DRAGON FRUIT ( <i>Hylocereus</i> sp.): OPPORTUNITIES AND CONSTRAINTS                                | Alemla Imchen, Animesh Sarkar, Abhijit Rongpi and Kuruba Ajay Kumar                                                                             | 153      | 164 |
| 18     | GENETIC IMPROVEMENT OF TROPICAL TIMBER TREE SPECIES THROUGH PLUS TREE SELECTION : <i>Artocarpus hirsutus</i> LAMK.                                                                                | Sinny Francis, Sanal C. Viswanath, P. K. Thulasidas and T. K. Hrideek                                                                           | 165      | 173 |
| 19     | EFFECT OF NITROGEN SPLITS ON GROWTH, YIELD AND ECONOMICS OF TRANSPLANTED RICE VARIETIES                                                                                                           | Khushabu, Ambika Tandon, Ashwarya L. Tandon, Nisha Jangre, Krishna Tandekar and Prabharani Choudhari                                            | 174      | 178 |

| S. No. | TITLE                                                                                                                                                                                                                            | AUTHOR                                                                                                                                                       | PAGE NO. |     |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|
| 20     | BIOLOGY AND PREYING POTENTIAL OF <i>Coccinella septempunctata</i> (Linn.) ON CABBAGE APHID, <i>Brevicoryne brassicae</i> (Linn.) UNDER LABORATORY CONDITION                                                                      | Vishal Singh Yadav and Satyam Prajapati                                                                                                                      | 179      | 183 |
| 21     | INFLUENCE OF RPYLENE-6 AND COLD CHAMBER STORAGE ON RIPENING BEHAVIOUR AND QUALITY ATTRIBUTES OF MANGO FRUITS                                                                                                                     | Pravin Dalavi, Quraazah Akeemu Amin, Towseef A. Wani, Shahnaz Parveen, Riddheshwar Shinde, Dnyaneshwar Ingole, Karthikeyan P. and Rahul Ranveer              | 184      | 194 |
| 22     | BAHAR MANAGEMENT IN FRUIT CROPS: PRINCIPAL, PRACTICES AND ECONOMIC IMPLICATIONS                                                                                                                                                  | Upendra Yadav, Pydi Lepakshi, Rishabh, Arti Gupta, Vedant Singh, Chandra Jeet Yadav, K. Dhinesh Babu, Charan Kumar Jalaneela and Surender Kumar              | 195      | 199 |
| 23     | EFFECT OF NEED-BASED NITROGEN MANAGEMENT ON YIELD AND QUALITY OF <i>KHARIF</i> MAIZE ( <i>ZEa MAYS</i> L.) UNDER CENTRAL PLAIN ZONE OF U.P., INDIA                                                                               | Naveen Kumar Maurya, Addya Singh, Beena B. Geeda, Ankit Kumar, Hari Shankar Singh, Anurag, Mayank Kumar, Nisha Yadav, Durgesh Kumar Maurya and Soni Yadav    | 200      | 206 |
| 24     | EFFECT OF SITE-SPECIFIC NITROGEN MANAGEMENT ON GROWTH AND YIELD ATTRIBUTES OF <i>KHARIF</i> MAIZE ( <i>Zea mays</i> L.) UNDER CENTRAL PLAIN ZONE OF U.P., INDIA                                                                  | Naveen Kumar Maurya, Ankit Kumar, Vikas Gautam, Sandeep Kumar, Hari Shankar Singh, Anurag, Mayank Kumar, Nisha Yadav, Durgesh Kumar Maurya and Balram Yadav  | 207      | 213 |
| 25     | STATUS OF ARMYWORM ( <i>MYTHIMNA SEPARATA</i> ) INFESTATION IN RICE AND THEIR BIO RATIONAL MANAGEMENT IN THE KOSHI AGRO-ECOSYSTEM OF BIHAR INDIA                                                                                 | Shyam Babu Sah, J. N. Srivastva, Lal Babu Kumar, Ashwini Choudhary, Niru Kumari, Priyanka Kumari, Usha Kumari, Anil Kumar Singh and D.R. Singh               | 214      | 219 |
| 26     | EVALUATION OF BIO-EFFICACY OF THE TRIPLE SUPER PHOSPHATE FOR CROPPING SYSTEMS IN KALABURAGI LOCATION OVER CONVENTIONAL PHOSPHOROUS SOURCES IN PIGEONPEA                                                                          | Yusufali A. Nimbargi, Raju G. Teggelli, Shivprasad R. Nippani, Rathod P. S., Zaheer Ahmed and B.V. Shreenivas                                                | 220      | 223 |
| 27     | ASSESSMENT OF MORPHOLOGICAL CHARACTERS AND MUTAGENIC VARIABILITY IN DIVERSE WHEAT GENOTYPES INDUCED THROUGH UV-B RADIATION                                                                                                       | Vivek Kumar Yadav, S.N. Mishra, Mahmood Alam, Govind and Adarsh Mishra                                                                                       | 224      | 231 |
| 28     | ECONOMIC ANALYSIS OF MAJOR FRUITS IN MIDDLE GUJARAT INDIA                                                                                                                                                                        | R.S. Pundir, D.R. Vahoniya, Alvira Rajwadi and Bhautik Bagda                                                                                                 | 232      | 247 |
| 29     | COMPARATIVE INSIGHTS INTO THE NUTRITIONAL AND NUTRACEUTICAL QUALITY OF ORGANICALLY AND CONVENTIONALLY GROWN LEGUMINOUS VEGETABLES: A REVIEW                                                                                      | Augusty Libang, Gagandeep Kaur, Jelang Jelku D. Sangma, Harman Singh and Kavita Kandpal                                                                      | 248      | 257 |
| 30     | EFFECT OF FOLIAR APPLICATION OF ZNO NANOPARTICLES ON SEED QUALITY OF COWPEA ( <i>Vigna unguiculata</i> L. Walp)                                                                                                                  | Tushar S. Kamdi, H.J. Rajput, K.C. Gagare, B.M. Bhalerao, R.S. Bhadane and Laxman S. Kadam                                                                   | 258      | 266 |
| 31     | INFLUENCE OF IRON AND ZINC FORTIFICATION AND FARMYARD MANURE ON GROWTH, YIELD ATTRIBUTES AND YIELD OF PEARL MILLET ( <i>Pennisetum glaucum</i> L. R. Br. emend stuntz)                                                           | Manoj, K.K. Sharma, S.S. Sharma, D.K. Jajoria, Sunita Gupta, M.R. Choudhary, Chiranjeevi Kumawat, Suresh Kumar Fagodia, Barkha Kumari Verma and Kiran Gurjar | 267      | 273 |
| 32     | PHYTOCHEMICAL PROFILING AND ANTIBACTERIAL ACTIVITY OF <i>Garcinia pedunculata</i> Rox. ex Buch. HAM LEAF CRUDE EXTRACTS USING GAS CHROMATOGRAPHY-MASS SPECTROMETRY (GC-MS) ANALYSIS                                              | Ramphool Saini, Meenakshi Kumari and Kumananda Tayung                                                                                                        | 274      | 290 |
| 33     | A CRITICAL REVIEW ON BIO-FORMULATION EFFICACY MECHANISM OF JEEVAMRUTHA-MEDIATED SOIL HEALTH RESTORATION AND CROP RESILIENCE                                                                                                      | Khushboo Chandra, Vipul Kumar, Mayukh Sarkar, Ashutosh Kumar, Melekote Naghabhushan Arun and Ashok Kumar                                                     | 291      | 302 |
| 34     | NUTRIENT UPTAKE, SOIL FERTILITY DYNAMICS AND SUSTAINABILITY OF DIVERSIFIED RICE-BASED CROPPING SYSTEMS IN EASTERN INDIA                                                                                                          | Ramya Ranjan Mohanta, Sayani Das, Bibhuti Bhusan Behera and Alok Kumar Patra                                                                                 | 303      | 311 |
| 35     | THE PLANT'S CRY FOR HELP: TRANSLATING VOLATILE SIGNALLING INTO SUSTAINABLE PEST CONTROL                                                                                                                                          | Benitto M., Najitha Ummer, Minimol J. S., Berin Pathrose and Mani Chellappan                                                                                 | 312      | 331 |
| 36     | AGE SPECIFIC SURVIVORSHIP, FEMALE FECUNDITY LIFE TABLE, POPULATION GROWTH PARAMETERS AND STAGE SPECIFIC LIFE TABLE OF <i>Callosobruchus chinensis</i> Linn. ON COWPEA ( <i>Vigna Unguiculata</i> L.) UNDER LABORATORY CONDITIONS | Peruri Vandana, Shankar Lal Sharma, Akther Hussain and Suman Choudhary                                                                                       | 332      | 338 |
| 37     | ESTIMATING A SIMULTANEOUS EQUATIONS MODEL FOR THE DEMAND AND SUPPLY OF OYSTER                                                                                                                                                    | Adarsh Kumar and A.K. Singh                                                                                                                                  | 339      | 345 |

| S. No. | TITLE                                                                                                                                                                 | AUTHOR                                                                                                                                                                             | PAGE NO. |     |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|
|        | MUSHROOMS ( <i>Pleurotus</i> Spp.) IN THE RAIPUR, DURG, AND DHAMTARI DISTRICTS OF CHHATTISGARH INDIA                                                                  |                                                                                                                                                                                    |          |     |
| 38     | DISTANT HYBRIDIZATION IN COTTON ( <i>Gossypium</i> spp.): WILD GENETIC RESOURCES, BARRIERS, INTROGRESSION STRATEGIES AND BREEDING PROSPECTS                           | Devang N. Dave, Rohan V. Patel, Girish K. Prajapati and Kavya K. Joshi                                                                                                             | 346      | 358 |
| 39     | ECOFRIENDLY MANAGEMENT OF FRUIT FLY IN BITTER GOURD AND SPONGE GOURD USING PHEROMONE TRAP IN CENTRAL PLAIN ZONE OF PUNJAB INDIA                                       | Nisha Sharma, Gurpreet Kaur and Gurpreet Singh                                                                                                                                     | 359      | 362 |
| 40     | COMPARATIVE STUDY OF SOCIO-ECONOMIC AND FARM STRUCTURE BETWEEN MILLET AND NON-MILLET GROWERS IN BUNDELKHAND REGION OF UTTAR PRADESH INDIA                             | Pushpendra Kumar, Anil Kumar, A.N. Shukla, Avinash Pratap, Pragya and Shrishti Mishra                                                                                              | 363      | 371 |
| 41     | ARTIFICIAL INTELLIGENCE AS A TRANSFORMATIVE TOOL IN HORTICULTURAL SCIENCE APPLICATIONS, ADVANCES, AND FUTURE PROSPECTS                                                | Khushi, Rakesh Kumar, Parshant Bakshi, Deepak Khatri and Sumit Bura                                                                                                                | 372      | 389 |
| 42     | EVALUATING TURFGRASS SHADE TOLERANCE FOR SUSTAINABLE URBAN LANDSCAPES                                                                                                 | Manvir Singh Sidhu, Rishu Sharma, Simrat Singh and K. K. Dhatt                                                                                                                     | 390      | 398 |
| 43     | CARBON SEQUESTRATION IN AGROECOSYSTEMS: EVALUATING THE ROLE OF SUSTAINABLE AGRONOMIC INTERVENTIONS                                                                    | Deepti Mayee Gochhayat and Asma Fayaz                                                                                                                                              | 399      | 410 |
| 44     | PHYSIOLOGICAL AND AGRONOMICAL RESPONSES OF VEGETABLE CROPS TO HEAT STRESS: A COMPREHENSIVE REVIEW                                                                     | Swagat Ranjan Behera, Ashika Ansari, Krisanu Golui, Riya Pandey, Ankita Mohapatra, Manish Kumar and Nilesh Kumar                                                                   | 411      | 429 |
| 45     | GENETIC DIVERSITY, VARIABILITY AND TRAIT ASSOCIATION ANALYSIS IN INDIAN MUSTARD ( <i>Brassica juncea</i> L.) GENOTYPES UNDER RABI CONDITIONS                          | Mahmood Alam, S.N. Mishra, Sandeep Maurya and Shubham Kumar Patel                                                                                                                  | 430      | 441 |
| 46     | EFFECT OF DIFFERENT GROWTH REGULATORS ON MORPHOLOGICAL PARAMETERS, YIELD AND NUTRITIONAL STATUS OF <i>Pleurotus florida</i> (Mont.) SINGER                            | Anirudha Priya, Shivam, S. K. Biswas, Saurabh Kumar and Ankit Kumar                                                                                                                | 442      | 453 |
| 47     | CORRELATION COEFFICIENT AND PATH ANALYSIS IN GRAIN SORGHUM ( <i>Sorghum bicolor</i> L. Moench)                                                                        | Netram, Hemlata Sharma, Anushka Kuntal, Sunder Nayak, Deepak Gupta and Jogendra Singh                                                                                              | 454      | 460 |
| 48     | GROWTH BEHAVIOUR AND CULTURAL CHARACTERISTICS OF NECK BLAST ISOLATES OF <i>Magnaporthe oryzae</i> ON DIFFERENT CULTURE MEDIA                                          | Rajyalakshmi B., Prasad M.S., Reddi Kumar M., Jasudasu G.S., Neeraja C.N. and Rama Rao G.                                                                                          | 461      | 464 |
| 49     | CORRELATION COEFFICIENT AND PATH ANALYSIS IN GROUNDNUT ( <i>Arachis hypogaea</i> L.)                                                                                  | Anuska Kuntal, Partap Bhan Singh, Netram, Ganga Ram and Jogendra Singh                                                                                                             | 465      | 470 |
| 50     | ASSESSMENT OF MORPHOLOGICAL DIVERSITY IN MUNGBEAN ( <i>Vigna radiata</i> L. Wilczek) GENOTYPES USING DUS DESCRIPTORS                                                  | Soumya Patel, Stuti Sharma, Yogendra Singh, Ekansh Raghuvanshi, Prashant Namdeo, Jhilick Banerjee and Ayushi Soni                                                                  | 471      | 486 |
| 51     | IMPACT OF STAGGERED PLANTING ON THE INCIDENCE OF MAJOR SUCKING PESTS ON SOYBEAN WITH RELATION TO WEATHER PARAMETERS IN THE LOWER GANGETIC PLAINS OF WEST BENGAL INDIA | Neha Mahato, Sudarshan Chakraborti, Amitava Banerjee, Samanwita Ghosh and Soumita Bera                                                                                             | 487      | 493 |
| 52     | LANDSCAPE-BASED DISASTER MITIGATION: IMPACT OF ORNAMENTAL GROUND COVER PLANTS IN SLOPE PROTECTION AND SEISMIC RESILIENCE                                              | M. Raja Naik, Jassica Keren Puli, B. Bhargavi, Jasmine Keziah Puli, T. Sumathi, G.S. Abdul Wazeed and N. Vinod Kumar                                                               | 494      | 500 |
| 53     | PLANT GROWTH-PROMOTING RHIZOBACTERIA (PGPR): EMERGENCE IN AGRICULTURE                                                                                                 | Stanzin Dorjey, Feroz Din Sheikh, Kunzang Lamo, Rigzin Safal Sangdup, Sabiya Asmat, Sonam Angchuk, Sonam Landol, Jigmet Namgyal, Jigmet Laskit, Lobzang Stanzin and Thilass Nurboo | 501      | 506 |
| 54     | VARIETAL IMPACTS ON NUTRITIONAL STATUS OF RICE IN FARMER FIELDS IN RELATION TO PRODUCTIVITY                                                                           | Brajendra, M.B.B. Prasad Babu, Manasa V., Bandeppa, Gobinath R. and Vijai Pal Bhadana                                                                                              | 507      | 511 |
| 55     | INFLUENCE OF PRE-HARVEST FYM-BASED ORGANIC MODULES AND STORAGE CONDITIONS ON BIOCHEMICAL QUALITY OF TOMATO                                                            | Harika Maddu, Kiran Kumar Adapa, Cheena J., Jagan Mohan Rao Polneni, Venkat Reddy Akkati and Naveen Kumar B.                                                                       | 512      | 522 |
| 56     | EFFECT OF MECHANICAL AND CULTURAL WEED MANAGEMENT PRACTICES ON WEED DYNAMICS, YIELD AND ECONOMICS OF DIRECT-SEEDED RICE ( <i>Oryza sativa</i> L.)                     | Neha Singh, Rajneesh Kumar, Amit Kumar, Ankita Giri and Ashutosh Shukla                                                                                                            | 523      | 529 |

| S. No. | TITLE                                                                                                                                                                 | AUTHOR                                                                                                                                                                                 | PAGE NO. |     |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|
| 57     | AGRIVOLTAIC SYSTEMS-A REVOLUTION IN SUSTAINABLE ENERGY AND SMART FARMING                                                                                              | Sujithkumar P., Poornima Yadav P. I., Sheeja K. Raj, Shalini Pillai P., Raguram C. and Sowmiya S.                                                                                      | 530      | 544 |
| 58     | EFFECT OF WEED MANAGEMENT PRACTICES ON YIELD AND ECONOMICS OF INDIAN MUSTARD ( <i>Brassica juncea</i> L.) UNDER THE GIRD REGION OF MADHYA PRADESH INDIA               | Ashish Pathak, Hirdesh Kumar, Aakash Malik and Pradeep                                                                                                                                 | 545      | 550 |
| 59     | PATHOGENICITY AND GROWTH HABIT OF <i>Rhizoctonia solani</i> ON DIFFERENT MEDIA                                                                                        | Shyam Lal, Mukesh Srivastava, Siddharth Singh, Ankit Kumar, Harshita Yadav, Aditya Maddhesiya and Mohit Tiwari                                                                         | 551      | 556 |
| 60     | RESPONSE OF FERTILIZERS AND ORGANIC MANURES ON GROWTH AND PRODUCTIVITY OF MAIZE ( <i>Zea mays</i> L.)                                                                 | Apoorva Rathore, Bhagwan Suman, Manohar Megwal and O. P. Gurjar                                                                                                                        | 557      | 562 |
| 61     | POPULATION DYNAMICS OF PULSE BEETLE ( <i>CALLOSOBRUCHUS CHINENSIS</i> (L.)) ON FIELD PEA GENOTYPES UNDER TEMPERATE KASHMIR CONDITIONS                                 | Mohsin Ahad, Bashir Ahmad Rather, Mohammad Saleem Bhat, Nazar Ahmad Ganie, Liyaqat Ayoub, Rukshanda Hanif and Mobashshir Kabiraj                                                       | 563      | 566 |
| 62     | GENETIC DIVERGENCE ANALYSIS OF 38 GRAIN AMARANTH ( <i>Amaranthus hypochondriacus</i> L.) GENOTYPES USING D <sup>2</sup> STATISTICS UNDER SEMI-ARID GUJARAT CONDITIONS | Venku Mounika, N. N. Prajapati and Rameshwar Meena                                                                                                                                     | 567      | 572 |
| 63     | EFFECT OF GHANJEEVAMRUT AND JEEVAMRUT ON GROWTH, FLOWERING AND SEED YIELD OF <i>Dimorphotheca pluvialis</i>                                                           | P.K. Manani, Dhawani A. Patel, V.R. Wankhede, M.K. Sharma and Radhika D. Savaliya                                                                                                      | 573      | 578 |
| 64     | EFFECT OF FERTILIZER DOSE, SEED INOCULATION AND FOLIAR NUTRITION ON GROWTH AND YIELD OF SUMMER COWPEA ( <i>Vigna unguiculata</i> L. Walp.)                            | Ram Niwas Choudhary, Shweta Gupta, Bheem Pareek, Seema Sharma, M.R. Yadav, H.P. Parewa, Pratibha Singh, Kavita Bhadu and Rahul                                                         | 579      | 584 |
| 65     | GENETIC DIVERGENCE ANALYSIS THROUGH MAHALANOBIS D <sup>2</sup> STATISTICS AND PRINCIPAL COMPONENT ANALYSIS IN SPONGE GOURD ( <i>Luffa cylindrica</i> L. M. Roem.)     | Rohit Rawat, D.P. Singh, Rajiv, Vishal Yadav, Rahul Kumar, Subham Singh, Dharmendra Bahadur Singh, Krishan Kumar, Ankita Tiwari, Vishal Singh, Avantika Singh and Abhishek Kumar Yadav | 585      | 595 |
| 66     | STUDIES ON THE EFFECT OF MOISTURE CONSERVATION TECHNIQUES AND INTEGRATED NUTRIENTS MANAGEMENT IN KHARIF MAIZE ( <i>Zea mays</i> L.)                                   | Prashant Dwivedi, M. Z. Siddiqui, Sanjeev Kumar, Naushad Khan, Kaushal Kumar, Rajeev Kumar, Rakesh Yadav, Ashwani Kumar and Anurag                                                     | 596      | 599 |
| 67     | DIFFERENT MOISTURE REGIMES AND WEED MANAGEMENT STRATEGIES TO IMPROVE PRODUCTIVITY AND PROFITABILITY OF DRUM SEEDED RICE IN EASTERN UTTAR PRADESH INDIA                | Digvijay Singh, Anil Kumar Singh, Harshita Singh, Vaibhav Pandey, Om Prakash and Rajat Singh and Atish Yadav                                                                           | 600      | 604 |
| 68     | OPTIMIZING MOISTURE REGIMES AND WEED CONTROL FOR SUSTAINABLE AND PROFITABLE DRUM-SEEDED RICE PRODUCTION                                                               | Digvijay Singh, Anil Kumar Singh, Shivam Pathak, Harshita Singh, Vaibhav Pandey, Deepak Kumar Dwivedi, Om Prakash and Basant Tamang                                                    | 605      | 612 |
| 69     | SUSTAINABLE INTENSIFICATION THROUGH CROPPING SYSTEM DIVERSIFICATION: IMPACTS ON NUTRIENT DYNAMICS AND SOIL HEALTH IN THE INDO-GANGETIC PLAINS                         | Vaibhav Pandey, M. Z. Siddiqui, Aalok Kumar, Abhishek Mishra, and Deepak Kumar Dwivedi                                                                                                 | 613      | 618 |
| 70     | IMPACT OF DIVERSE CROPPING SYSTEMS ON SOIL FERTILITY DYNAMICS AND DEPTH-WISE PHYSICO-CHEMICAL PROPERTIES UNDER NSP-6 EXPERIMENTAL FARM                                | Sugandha Chauhan, Ved Prakash, Dheerendra Kumar, Sandeep Yadav and Kumar Anshuman                                                                                                      | 619      | 632 |
| 71     | VARIABLE-RATE FLAME WEEDING: A STAGE-SPECIFIC APPROACH FOR ENHANCED WEED CONTROL AND REDUCED REGROWTH                                                                 | G. Sindhuja, K.V.S. Rami Reddy, A. Ashok Kumar, S. Vishnuvardhan, K. Srinivasulu and Ajith Jubilson                                                                                    | 633      | 642 |
| 72     | ASSESSMENT OF GENETIC DIVERSITY IN FIELD PEA ( <i>Pisum sativum</i> L. Var. arvense) FOR YIELD TRAITS THROUGH MAHALANOBIS D <sup>2</sup> ANALYSIS                     | Ekansh Raghuwanshi, Stuti Sharma, Prashant Namdeo, Anjali Dubey, Yogendra Singh, Jhilick Banerjee, Ayushi Soni and Saumya Patel                                                        | 643      | 649 |
| 73     | MOLECULAR IDENTIFICATION OF SEED MYCOFLORA OF OKRA CULTIVARS                                                                                                          | Parth M. Chotalia, Jaina V. Patel and V. R. Gohel                                                                                                                                      | 650      | 653 |
| 74     | INFLUENCE OF DRIP IRRIGATION REGIMES ON FRUIT QUALITY AND SHELF LIFE OF MANGO VARIETIES UNDER ULTRA HIGH DENSITY PLANTING SYSTEM                                      | T. Manvitha, A. Bhagwan, A. Kiran Kumar, Md. Latheef Pasha and G. Sathish                                                                                                              | 654      | 658 |
| 75     | STANDARDIZATION OF RECIPE AND SENSORY EVALUATION OF SUGAR FREE COOKIES FORTIFIED WITH JAMUN SEED POWDER                                                               | Bandi Navya, G.L. Sharma, Hemanth Kumar Panigrahi, Diptimayee Dash and Prabhakar Singh                                                                                                 | 659      | 663 |

| S. No. | TITLE                                                                                                                                                              | AUTHOR                                                                                                                                            | PAGE NO. |     |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|
| 76     | INTEGRATING GENOME EDITING AND SPEED BREEDING FOR ACCELERATED SOYBEAN IMPROVEMENT IN INDIA: OPPORTUNITIES, CHALLENGES AND FUTURE PROSPECTS                         | Saurav Raj, Devendra Kumar Payasi, Deepa Garg and Khushboo Chandra                                                                                | 664      | 678 |
| 77     | APPLICATIONS OF LUX-BASED BIOREPORTERS IN PLANT DISEASE DETECTION, EPIDEMIOLOGY AND BIOLOGICAL CONTROL: A REVIEW                                                   | Bhabani Sankar Rout, Ankur Raj, Sarita Saini and Sanjan Kumar Bharti                                                                              | 679      | 694 |
| 78     | SCREENING OF GERMPLASM FOR RESISTANCE AGAINST FALL ARMYWORM <i>Spodoptera frugiperda</i> (J.E. SMITH) OF MAIZE DURING RABI 2023-24 AND SUMMER 2024                 | P. Suchithra, B. S. Basavaraju, G. Vidya Shree, P. Mahadevu and B. T. Krishnaprasad                                                               | 695      | 701 |
| 79     | MANAGEMENT OF FALL ARMYWORM, <i>Spodoptera frugiperda</i> (J. E. SMITH) BY SEQUENTIAL APPLICATION OF INSECTICIDES IN MAIZE                                         | P. Suchithra, B.S. Basavaraju and G. Vidya Shree                                                                                                  | 702      | 706 |
| 80     | TRANSFORMING FOOD WASTE INTO FUNCTIONAL FOODS: THE ROLE OF 3D PRINTING IN GLOBAL SUSTAINABILITY                                                                    | Ritu B. Kukde, Pratiksha H. Puranik, Vikram P. Kad, Ganesh S. Kahar, Thongam Sunita and Ganesh N. Shelke                                          | 707      | 719 |
| 81     | INFLUENCE OF WEED MANAGEMENT AND NITROGEN FERTILIZATION ON GROWTH AND PRODUCTIVITY OF SORGHUM ( <i>Sorghum bicolor</i> L.) IN SEMI-ARID RAJASTHAN                  | Janak Raj, S.S. Yadav, D.K. Jajoria, Sunita Gupta, K.K. Sharma, D.K. Gothwal, Sarita Jat, Reema, Deepika Yadav and Ram Swaroop Choudhary          | 720      | 725 |
| 82     | EFFECT OF SULPHUR AND ZINC ON GROWTH AND YIELD ATTRIBUTES OF MUSTARD UNDER RAINFED CONDITION IN BUNDELKHAND REGIONS OF INDIA                                       | Sanjeev Singh Patel, Pushpendra Kumar Dwivedi and Umesh Patle                                                                                     | 726      | 731 |
| 83     | SEASONAL INCIDENCE OF TOMATO PINWORM, <i>Phthorimaea absoluta</i> (Meyrick) (LEPIDOPTERA: GELECHIIDAE) IN SOUTHERN DRY ZONE OF KARNATAKA                           | G. Vidya Shree, B.S. Basavaraju and P. Suchithra                                                                                                  | 732      | 737 |
| 84     | SYNERGISTIC ROLE OF MICRONUTRIENTS AND PLANT GROWTH REGULATORS ON YIELD, SOIL FERTILITY AND NUTRIENT UPTAKE IN TOMATO                                              | Raju S. Sulikeri, Praveenkumar B. Naikodi, Dhananjaya Belavadi Nanjappa, S.M. Prasanna and Yashavantakumar K. H.                                  | 738      | 745 |
| 85     | STUDIES ON SEED QUALITY PARAMETERS IN DIFFERENT GENOTYPES OF GREEN GRAM UNDER GOAN CONDITIONS                                                                      | P.P. Patil, S.S. Nitave, V.T. Atkari and S. G. Gaunkar                                                                                            | 746      | 751 |
| 86     | DISCERNING GENETIC VARIABILITY AND DIVERSITY IN PADDY HYBRIDS THROUGH MULTIVARIATE TECHNIQUES                                                                      | K. Amarnath and B.N.V.S.R. Ravi Kumar                                                                                                             | 752      | 756 |
| 87     | EVALUATION OF DIFFERENT TRAPS FOR MANAGEMENT OF TOMATO PINWORM, <i>Phthorimaea absoluta</i> (Meyrick) (LEPIDOPTERA: GELECHIIDAE) IN SOUTHERN DRY ZONE OF KARNATAKA | G. Vidya Shree, B.S. Basavaraju, P. Suchithra and B.T. Krishnaprasad                                                                              | 757      | 761 |
| 88     | SELECTION OF SUITABLE ORGANIC MANURES FOR AUGER TYPE METERING BASED ON MATERIAL PROPERTIES AND DISCHARGE PERFORMANCE                                               | Pratibha Shiv and T. P. Singh                                                                                                                     | 762      | 778 |
| 89     | EFFECT OF DIFFERENT LEVELS OF PHOSPHORUS AND NIPPING ON YIELD AND ECONOMICS OF CHICKPEA ( <i>Cicer arietinum</i> L.)                                               | Prabhat Kumar Gayen, Tshering Tamang, Pradeep Rajput, Aakash Malik, Aman Pachouri, Sambhav Jain and Boda Dimpul                                   | 779      | 784 |
| 90     | FIRST REPORT OF OCCURRENCE OF INVASIVE PEST <i>Thrips parvispinus</i> (KARNY) (THYSANOPTERA: THIRIPIDAE) IN CHILLI FROM GHAZIPUR DISTRICT OF UTTAR PRADESH, INDIA  | Omkar Singh                                                                                                                                       | 785      | 789 |
| 91     | EFFECT OF SOWING DATES AND WEATHER PARAMETERS ON EPIDEMIOLOGY OF EARLY BLIGHT OF POTATO CAUSED BY <i>Alternaria solani</i> UNDER SUBTROPICAL CLIMATE               | Aditya Maddheshiya, Mukesh shrivastva, Gaurav Ayodhya Singh, Siddharth Singh, Ankit Kumar, Shrishti Mishra and Shyam Lal                          | 790      | 796 |
| 92     | BIO-EFFICACY OF NUTRIENT-ENRICHED <i>Trichoderma harzianum</i> CONSORTIA AGAINST EARLY BLIGHT OF TOMATO <i>IN-VIVO</i> CONDITION                                   | Ankit Kumar, Mukesh shrivastva, Aditya Maddheshiya, Shidharth Singh, Shiwani Chadhary, Saurabh Saini, Prabha Siddharth and Girijesh Kumar Jaisval | 797      | 803 |
| 93     | DETERMINANTS OF TECHNOLOGY ADOPTION UNDER THE FARMER FIRST PROGRAMME: EVIDENCE FROM MID-HILL REGIONS OF UTTARAKHAND, INDIA                                         | Shreya Kumari, S. K. Kashyap and M. A. Ansari <sup>3</sup>                                                                                        | 804      | 819 |
| 94     | FACTORS SHAPING THE ENTREPRENEURIAL MINDSET OF ARYA YOUTHS IN ODISHA INDIA: A COMPREHENSIVE STUDY                                                                  | M. Jena, A. K. Swain, P. Mishra, S. Das, and A. Samantaray                                                                                        | 820      | 825 |
| 95     | GENETIC VARIABILITY AND CHARACTER ASSOCIATION STUDIES AMONG LINSEED ( <i>Linum usitatissimum</i> L.) GENOTYPES                                                     | Komal Meena Sandhya, R.K. Bairwa, Guddi Takar and Deepak Meena                                                                                    | 826      | 831 |
| 96     | FROM ASH TO ASSET: ENVIRONMENTAL IMPACTS, TECHNOLOGICAL INNOVATIONS, AND SUSTAINABLE                                                                               | Vala. H.D., Hirani D.D. and Solanki M.K.                                                                                                          | 832      | 840 |

| S. No. | TITLE                                                                                                                                                                | AUTHOR                                                                                                                                          | PAGE NO. |      |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|
|        | PATHWAYS FOR AGRICULTURAL WASTE MANAGEMENT IN INDIA: A COMPREHENSIVE REVIEW                                                                                          |                                                                                                                                                 |          |      |
| 97     | DECISION SUPPORT SYSTEMS IN AGRICULTURAL EXTENSION: A SYSTEMATIC REVIEW OF ARCHITECTURES, TECHNIQUES AND APPLICATION                                                 | N. Lakshmi Vennela and Kadiri Mohan                                                                                                             | 841      | 850  |
| 98     | EFFECT OF HEADING BACK ON GROWTH, FRUITING AND QUALITY CHARACTERISTICS OF REJUVENATING GUAVA PLANTS                                                                  | Ram Singh Choudhary, S.S. Lakhawat, Shalini Pilania, J.K. Tak and Sourabh Sherawat                                                              | 851      | 855  |
| 99     | SCREENING OF DIFFERENT GENOTYPES OF NIGER AGAINST NIGER APHID, <i>Uroleucon compositae</i> (THEOBALD)                                                                | Kumbhani M. B., Shinde C.U., Darji T.R. and Jagtap P.K.                                                                                         | 856      | 859  |
| 100    | PERFORMANCE OF SOYBEAN ( <i>Glycine max</i> L. Merrill) VARIETIES UNDER DIFFERENT PHOSPHORUS LEVELS ALONG WITH INOCULATION OF PSB                                    | Shivani Paliwal, Vikas Gupta, Amit Kumar Jha, Parnika Arya and Rahul Kumar Jat                                                                  | 860      | 866  |
| 101    | GENE EDITING DRIVEN PRECISION BREEDING IN <i>FRAGARIA</i> : CURRENT PROGRESS AND FUTURE PROSPECTS                                                                    | Ritika Sharma, Tania, Shreya Mangotra, Vinod Gupta, Neerja Sharma, and Shelly Sehgal                                                            | 867      | 873  |
| 102    | BIOLOGY OF TURNIP APHID, <i>Lipaphis pseudobrassicae</i> DAVIS (HOMOPTERA: APHIDIDAE) ON DIFFERENT <i>Brassica</i> HOST PLANTS                                       | L. A. Ghoda and A. H. Barad                                                                                                                     | 874      | 878  |
| 103    | EFFECT OF MOISTURE CONSERVATION PRACTICES AND NANO FERTILIZER LEVELS ON GROWTH AND YIELD OF HYBRID MAIZE ( <i>Zea mays</i> L.)                                       | Santram, Kaushal Kumar, Shiv Lakhan and Vikas Singh                                                                                             | 879      | 890  |
| 104    | SCREENING OF FENNEL GENOTYPES AGAINST WILT DISEASE INCITED BY <i>Fusarium pallidroseum</i> UNDER FIELD CONDITIONS                                                    | Pankaj Kumar Sharma, S.K. Goyal, Shailesh Godika, R.P. Ghasolia, Akhter Hussain, G.K. Mittal, Pinki Sharma, G.L. Kumawat and Dinesh Kumar Meena | 891      | 896  |
| 105    | VOLARIZATION OF PUMPKIN BY-PRODUCTS IN COOKIE FORMULATION                                                                                                            | Monica Reshi, Neeraj Gupta, Rhythm Gupta, Kamakshi Sharma, Ankita Choudhary and Harish Kumar                                                    | 897      | 903  |
| 106    | PREHISTORIC SEED OF DECCAN INTERTRAPPEAN BEDS AT JIWATI, MARAI PATAN, MAHARASHTRA, INDIA                                                                             | Lokhande Payal, Patil Sanjay and Dahegaonkar Rajesh                                                                                             | 904      | 908  |
| 107    | RESPONSE OF GROUNDNUT TO FOLIAR APPLICATION OF NANO ZNO AND NANO CAO ON BIO-CHEMICAL PARAMETERS, SOIL CHEMICAL PROPERTIES AND AVAILABLE NUTRIENTS STATUS             | Mounika M.N., R Basavarajappa, Basavaraj S. Yenagi, G. R. Rajakumar, and Savita P. Doni                                                         | 909      | 915  |
| 108    | SILENT SYNERGIES: MIXED INFECTIONS OF VIRUS AND PHYTOPLASMA AND THEIR EPIDEMIOLOGICAL SIGNIFICANCE IN CRUCIFEROUS CROPS                                              | Rontung Kalita and Manoj Kumar Kalita                                                                                                           | 916      | 921  |
| 109    | MATRIX-ASSISTED LASER DESORPTION IONIZATION TIME-OF-FLIGHT MASS SPECTROMETRY: A RELIABLE TOOL FOR RAPID DETECTION AND IDENTIFICATION OF PLANT PATHOGENS              | M. Deepana, Deepa James, Sherin Mariyam Reji, K. R. Dhanush and Noru Raja Sekhar Reddy                                                          | 922      | 935  |
| 110    | VISIBLE AND NEAR-INFRARED SPECTROSCOPY (VIS-NIRS) FOR NON-DESTRUCTIVE ASSESSMENT OF HARVESTED HORTICULTURAL PRODUCE: A REVIEW                                        | Abhiraj Kumar, Monika Sood, Himani Sharma, Robin Kumar and Vasudev                                                                              | 936      | 942  |
| 111    | HORMONAL SIGNALING IN SHAPING ROOT MICROBIOME : A REVIEW                                                                                                             | Seema Garcha and Sheetal Chopra                                                                                                                 | 943      | 958  |
| 112    | SOIL FERTILITY STATUS, YIELD AND PROTEIN CONTENT OF GREENGRAM AS INFLUENCED BY SOWING WINDOW AND VARIETIES                                                           | T. Jyothi, A.V. Nagavani, V. Chandrika and A. Prasanthi                                                                                         | 959      | 962  |
| 113    | EFFECT OF DIFFERENT DOSES OF BORON AND ZINC IN COMBINATION WITH NPK ON GROWTH AND YIELD OF WHEAT ( <i>Triticum aestivum</i> L.)                                      | Rahul Kumar, Aman, Dhananjay Tiwari, Suraj Yadav, Nitesh Kumar Singh, Anurag Saurabh and Ankita Rao                                             | 963      | 968  |
| 114    | EFFECT OF ENRICHED POTTING MEDIA AND JEEVAMRUT APPLICATION ON GROWTH AND FLOWERING OF POT MUM ( <i>Chrysanthemum morifolium</i> )                                    | Prerana Patil, M. K. Sharma and Kajal Patel                                                                                                     | 969      | 973  |
| 115    | MARKETING OF MINOR FOREST PRODUCE THROUGH VAN DHAN VIKAS KENDRAS (VDVK'S) IN ALLURI SITARAMA RAJU DISTRICT IN ANDHRA PRADESH INDIA-A CASE OF ADDA LEAFS AND TAMARIND | G. Sharon Moses, Seedari Ujwala Rani , P. Pedda Nagi Reddy, G. Mohan Naidu, M. Ravi Kishore and B. N. Sandeep Naik                              | 974      | 983  |
| 116    | AGRONOMIC MANAGEMENT PRACTICES FOR SUSTAINABLE YIELD AND QUALITY ENHANCEMENT IN DRAGON FRUIT ( <i>HYLOCEREUS SPP.</i> ): A REVIEW                                    | Pratham, Mitali Dwibedi and Shilpa Kaushal                                                                                                      | 984      | 1001 |
| 117    | PROCESSING OPTIMIZATION AND SHELF-STABILITY ASSESSMENT OF <i>Hippophae rhamnoides</i> L. PRODUCTS IN THE COLD DESERT REGION OF LAHAUL-SPITI                          | Savita Kumari, Meena Kumari, Sudhir Verma, Nisha Choudhary and Upinder Sharma                                                                   | 1002     | 1008 |
| 118    | COMPARATIVE ANALYSIS OF CHEMICAL AND BIOLOGICAL CONTROL AGENTS EFFICACY IN MANAGING ALTERNARIA LEAF BLIGHT IN TURMERIC ( <i>Curcuma longa</i> L.)                    | Pravin G. Shinde, Madhu Saatu, Ritesh Kaushal and Rishabh Maheshwari                                                                            | 1009     | 1016 |

| S. No. | TITLE                                                                                                                                                        | AUTHOR                                                                                                                                                              | PAGE NO. |      |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|
| 119    | LAND SUITABILITY EVALUATION OF AGRICULTURAL CROPS IN MINING-AFFECTED WATERSHEDS: THE NEED FOR CONTAMINATION-ADJUSTED INDICES: A CRITICAL GLOBAL REVIEW       | Ajay Abhishek, Barath Gowda H, Shivani Mohtal, Ashwini Agarwalla, Vishnu Ram, Kanku Deka and Poran Kishore Dutta                                                    | 1017     | 1028 |
| 120    | MOLECULAR CHARACTERIZATION OF ELITE LINES FOR BACTERIAL LEAF BLIGHT (BLB) RESISTANCE IN RICE ( <i>Oryza sativa</i> L.)                                       | Sindhura N.R.H., B.N.V.S.R. Ravi Kumar, J. Dayal Prasad Babu and M.R.B. Raju                                                                                        | 1029     | 1043 |
| 121    | ASSESSMENT OF GENETIC DIVERSITY, CORRELATION, AND PATH COEFFICIENT ANALYSIS AMONG RICE ( <i>Oryza sativa</i> L.) GENOTYPES                                   | Shubham Kumar Patel, S. N. Mishra, Anchal, Mahmood Alam, Gaurav Singh, Govind Patel and Devendra Kumar Patel                                                        | 1044     | 1053 |
| 122    | BIOMETRICAL ANALYSIS OF FALL ARMYWORM ( <i>Spodoptera frugiperda</i> J. E. SMITH) ON MAIZE AND SORGHUM                                                       | Dhruvi Ajudia and Jethva D.M.                                                                                                                                       | 1054     | 1060 |
| 123    | PHENOPHASE-SPECIFIC OPTIMUM TEMPERATURE AND THERMAL SENSITIVITY IN CHICKPEA UNDER RANCHI REGION OF JHARKHAND INDIA                                           | Satya Pragyan Kar, Pragyan Kumari, C.S. Singh and P. Mahapatra                                                                                                      | 1061     | 1070 |
| 124    | POPULATION DYNAMICS OF IMPORTANT SUCKING PESTS AND THEIR NATURAL ENEMIES ON GREEN GRAM IN THE GANGETIC PLAINS OF WEST BENGAL INDIA                           | Neha Mahato, Sabyasachi Ray, Soumita Bera and Amitava Banerjee                                                                                                      | 1071     | 1078 |
| 125    | EFFECT OF PLANT GROWTH REGULATORS ON FLOWER LONGEVITY, VASE LIFE AND BULB PRODUCTION OF LILIAM ( <i>Lilium longiflorum</i> cv. Pavia)                        | Shubham Rai, Bhanu Pratap, Sunil Kumar, Sanket Kumar Maurya and Santosh Kumar Verma                                                                                 | 1079     | 1082 |
| 126    | CLIMATE CHANGE IN JHARKHAND: BLURRING SEASONS, ERRATIC RAIN AND NEW RISK FOR AGRICULTURE                                                                     | Pragyan Kumari and Satya Pragyan Kar                                                                                                                                | 1083     | 1087 |
| 127    | GENETIC VARIABILITY, CHARACTER ASSOCIATION AND PATH COEFFICIENT ANALYSIS IN MUNGBEAN ( <i>Vigna radiata</i> L. Wilczek) GENOTYPES                            | Shiralkar Rahul Pandharinath, Akash Barela, Shama Parveen, Pramod Kumar Yadav and Kinolkar Kishor                                                                   | 1088     | 1094 |
| 128    | CRISPR/CAS-MEDIATED GENOME EDITING IN FRUIT CROPS: ADVANCES, CHALLENGES AND FUTURE DIRECTIONS: A COMPREHENSIVE REVIEW                                        | Durgashankr Meena, V. Madan Mohan Rao, Sudhir Kumar Pathak, Santanu Kumar Patra, Seema Mahlawat, Sonu Nagar, Rahul Prajapati, Ravinder Kaur and Naval Kishore Meena | 1095     | 1106 |
| 129    | EMERGING TRENDS IN GLOBAL RICE SYSTEMS: INTEGRATING GENOMIC INNOVATIONS FOR SUSTAINABLE PRODUCTION                                                           | Ch Sai Nayan Raju, Priti A. Sonkamble, Suneetha Kota, Ghorade R. B., M. P. Meshram, Shinde Jagannath Vishwanath and Vinod Kogade                                    | 1107     | 1118 |
| 130    | MUTAGENIC EFFICIENCY AND EFFECTIVENESS IN M <sub>2</sub> GENERATION OF FENUGREEK ( <i>Trigonella foenum-graecum</i> L.)                                      | Sarla Goliya, Varsha Kumari, Manohar Ram, Ram Lal Kumawat, S. S. Punia, Ashok Singh Kharbas and Ram Kunwar                                                          | 1119     | 1125 |
| 131    | STRESS MANAGEMENT IN FRUIT CROPS: A REVIEW OF MITIGATION MEASURES AND CONSERVATION PRACTICES                                                                 | Rony Paul Rajan, Aswini A., Megha Raghavan, Resmi Paul, Bhagya D. Kartha and Zahida P. M.                                                                           | 1126     | 1133 |
| 132    | DNA EXTRACTION PROTOCOL FOR LOCAL MANGO GERMPLASM ( <i>Mangifera indica</i> L.) IN MANIPUR, NORTH EAST INDIA                                                 | S.R. Singh, Kh. Priya Devi, T. Deem Singh, Rahul Senjam and Ng. Umakanta                                                                                            | 1134     | 1137 |
| 133    | COMPARATIVE BIONOMICS OF SYRPHID FLY, <i>Ischiodon scutellaris</i> FABRICIUS ON DIFFERENT APHID HOSTS                                                        | Prince Aghera and M.B. Zala                                                                                                                                         | 1138     | 1145 |
| 134    | OPTIMIZATION OF CTAB-BASED DNA EXTRACTION METHOD USING POMELO LEAVES SUITABLE FOR PCR AND SEQUENCING                                                         | Banio Haobam, Senjam Romen Singh, Ngangkham Umakanta, Meikambam Jusma Devi, Debiya Leitanthem and Blesson Longjam                                                   | 1146     | 1150 |
| 135    | ENHANCING PHOSPHORUS AND ZINC USE EFFICIENCY IN FODDER COWPEA                                                                                                | G. Dharani, S. Hemalatha, V. Chandika and M. Raghavendra                                                                                                            | 1151     | 1156 |
| 136    | SEASONAL ABUNDANCE OF SUCKING INSECT-PESTS OF OKRA AND THEIR CORRELATION WITH ABIOTIC PARAMETERS                                                             | Rahul Raj, Amarendra Pratap Singh, Aditya Kumar Sharma and Ankit Kumar                                                                                              | 1157     | 1160 |
| 137    | SEASONAL INCIDENCE OF MAJOR INSECT PESTS OF CAULIFLOWER ( <i>Brassica oleracea</i> L. Var. <i>Botrytis</i> ) IN EASTERN UTTAR PRADESH AND THEIR MANAGEMENT   | Alok Pratap Singh, Saroj Chauhan, Ritesh Kumar and R. R. Singh                                                                                                      | 1161     | 1169 |
| 138    | INFLUENCE OF BIOFERTILIZERS AND ORGANIC MULCHES ON FRUIT QUALITY OF STRAWBERRY ( <i>Fragaria × ananassa</i> Duch.) IN THE SOUTH-EAST ZONE OF RAJASTHAN INDIA | Nisha Sharma, Mahaveer Suman and Deva Ram Meghawal                                                                                                                  | 1170     | 1178 |
| 139    | PHOTO-SELECTIVE SHADE NETS: A REVOLUTIONARY TOOL FOR CLIMATE-RESILIENT FRUIT CULTIVATION                                                                     | Shivanand Koti, T.R. Ahlawat, Sangmesh, Ajit Tippannavar, S.R. Emmi, Sonu Nagar, Bhavyashree H.S. and Mahesh Jadhav                                                 | 1179     | 1188 |

| S. No. | TITLE                                                                                                                                                                  | AUTHOR                                                                                                                         | PAGE NO. |      |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------|------|
| 140    | MULTIVARIATE AND ASSOCIATION ANALYSIS OF YIELD-CONTRIBUTING TRAITS IN GROUNDNUT ( <i>Arachis hypogaea</i> L.)                                                          | R. Narasimhulu, C. Kiran Kumar Reddy, M. Vanipraveena, N. Ramesh Naik, E. Priyankabai, B.V. Bhaskar Reddy and O. Venkateswarlu | 1189     | 1195 |
| 141    | CROP DIVERSIFICATION IN HARYANA: ADOPTION PATTERNS AND ASSOCIATION WITH SOCIO-ECONOMIC CHARACTERISTICS OF FARMERS                                                      | Virender, Subhash Chander, Bas Kaur and Amit Kumar                                                                             | 1196     | 1204 |
| 142    | EFFECT OF FOLIAR APPLICATION OF CALCIUM NITRATE AND BORIC ACID ON QUALITY ATTRIBUTES OF STRAWBERRY                                                                     | Neetu Baghel, B. P. Bisen, Umesh Singh Rajput, S. Reddy Veera Nagaveni, Anil Chouhan and Priyanshi Gupta                       | 1205     | 1209 |
| 143    | ASSESSMENT OF GENETIC VARIABILITY THROUGH COMBINED HYBRIDIZATION AND MUTATION IN F <sub>3</sub> M <sub>2</sub> GENERATION OF BLACKGRAM ( <i>Vigna mungo</i> L. HEPPER) | L.C. Anilkumar and S.K. Shashikala                                                                                             | 1210     | 1214 |
| 144    | ESTIMATION OF GENETIC VARIABILITY, HERITABILITY AND GENETIC ADVANCE FOR YIELD AND YIELD-CONTRIBUTING TRAITS IN FIELD PEA ( <i>Pisum sativum</i> L.)                    | Billa. Vineela Reddy, Soni Singh, Swapnil Kumar Meshram and Akash Barela                                                       | 1215     | 1220 |
| 145    | INFLUENCE OF IRRIGATION SCHEDULING AND SULPHUR FERTILIZATION ON GROWTH AND PRODUCTIVITY OF INDIAN MUSTARD ( <i>Brassica juncea</i> L.)                                 | Shashwat Patel, Vishuddha Nand, Praveen Kumar Yadav, Azmeera Suresh kumar, Anurag and Shivendra Singh                          | 1221     | 1227 |
| 146    | DIVERSITY AND CONSERVATION OF WILD ORCHIDS IN THE FOREST REGION OF CHHATTISGARH, CENTRAL INDIA: A REVIEW                                                               | Amar Prakash and Rajeshwari Sahu                                                                                               | 1228     | 1235 |
| 147    | LIFE TABLE STUDY OF <i>Corcyra cephalonica</i> (STANTON) IN STORED PEARL MILLET                                                                                        | G.D. Bagul, J.G. Dulera and Vruti Rank                                                                                         | 1236     | 1243 |
| 148    | GC-MS PROFILING OF PHYTOACTIVE COMPOUNDS, ANTIOXIDANT PROPERTIES AND ANTINUTRITIONAL FACTORS IN FINGER MILLET MILK                                                     | Siva Sakthi T., Amutha S. and Saravanakumar R.                                                                                 | 1244     | 1253 |
| 149    | GENETIC VARIABILITY, CORRELATION AND PATH ANALYSIS IN TOMATO LEAF CURL VIRUS (ToLCV) RESISTANT ADVANCED BREEDING LINES OF TOMATO                                       | Sampathkumar M.V., O. Sridevi, Sumangala Bhat and P.V. Patil                                                                   | 1254     | 1259 |
| 150    | IMPACT OF NIXTAMALIZATION ON THE NUTRITIONAL AND FUNCTIONAL PROPERTIES OF CORN-BASED PRODUCTS: A REVIEW                                                                | Hiren Rathod and Suresh Bhise                                                                                                  | 1260     | 1269 |
| 151    | EFFECT OF MODERN COMMUNICATION TECHNOLOGIES IN THE IMPROVEMENT OF SUGARCANE PRODUCTION: A SYSTEMATIC REVIEW                                                            | Mohit Kumar Pandey, Monu Kumar, Neha Arya, Sonal Pathak, Debanjana Mukherjee, Prerna Pakhawal and Vikas Chandra Gautam         | 1270     | 1279 |
| 152    | EVALUATION OF NET PRESENT VALUE AND INTERNAL RATE OF RETURN UNDER MANGO ORCHARD IN REWA DISTRICT, MADHYA PRADESH, INDIA                                                | Vikash Prasad Mishra, Rahul Kumar and Keshrinath Tripathi                                                                      | 1280     | 1284 |
| 153    | EFFECT OF RED BELL PEPPER AND SHRIMP HEAD WASTE ON PIGMENTATION, GROWTH AND SURVIVAL IN KOI CARP ( <i>Cyprinus carpio</i> L.)                                          | Sakshikumari G. Tandel, K. V. Tank and V. C. Bajaniya                                                                          | 1285     | 1290 |
| 154    | SYNERGISTIC EFFECTS OF BORIC ACID AND COLD STORAGE ON POST-HARVEST QUALITY AND SHELF LIFE OF <i>Tabernaemontana divaricata</i> FLOWER BUDS                             | Visalakshi M., Niranjana S., Ganga M., Thamaraiselvi S. P., Irene Vethamoni P. and Keerthivasan Ragupathi                      | 1291     | 1296 |
| 155    | SUCCESSION OF INSECT-PESTS INFESTING GROUNDNUT DURING KHARIF SEASON                                                                                                    | B.R. Desai, M.V. Dabhi and N.M. Dabhi                                                                                          | 1297     | 1303 |
| 156    | DEVELOPMENT OF INSTANT RAGI MUDDE MIX WITH RICE FLOUR AND GRITS: EVALUATION OF PHYSICO-CHEMICAL, RE-CONSTITUTIONAL, FUNCTIONAL, AND ORGANOLEPTIC PROPERTIES            | B. Dayakar Rao, D. Gowri Kalyani, M. Dharini, R. Anbarasan, T. Tamilselvan and J. Stanley                                      | 1304     | 1314 |
| 157    | ASSOCIATION ANALYSIS OF SEED YIELD AND ITS COMPONENT TRAITS IN SMALL SEEDED GENOTYPES OF LINSEED ( <i>Linum usitatissimum</i> L.)                                      | Maanbati, P.K. Joshi, Nandan Mehta, Prabharani Chaudhari, Fakeer Chand Sao, Abhinav Sao and Krishna Tandekar                   | 1315     | 1320 |
| 158    | RESOURCE USE EFFICIENCY AND DETERMINANTS OF CUCUMBER PRODUCTIVITY: A VILLAGE-LEVEL REGRESSION ANALYSIS IN COOCH BEHAR DISTRICT OF WEST BENGAL, INDIA                   | Masuma Rahaman, Ashutosh Sarkar and Punam Roy                                                                                  | 1321     | 1326 |
| 159    | ASSESSMENT OF SALINITY-INDUCED CHANGES IN PHYSIO-BIOCHEMICALS AND ANTIOXIDANT ENZYMES IN SESAME ( <i>Sesamum indicum</i> L.)                                           | A. R. Japda, H. P. Gajera, Darshna G. Hirpara, H. R. Sodhaparmar and U. K. Kandoliya                                           | 1327     | 1337 |
| 160    | MOLECULAR CHARACTERIZATION AND GENETIC DIVERSITY ANALYSIS OF WHEAT ( <i>Triticum aestivum</i> L.) GENOTYPES USING RAPD MARKERS                                         | Darshna G. Hirpara, H. P. Gajera, R. D. Bhimani and Lovleen Kaur Bharaj                                                        | 1338     | 1347 |
| 161    | EFFECT OF SULPHUR, ZINC AND BORON APPLICATION ON GROWTH, YIELD AND QUALITY OF                                                                                          | Boda Dimpul, Jaidev Sharma, Pradeep Rajput, Shravan Kumar Maurya, Dasari                                                       | 1348     | 1354 |



| S. No. | TITLE                                                                                                                                                                                               | AUTHOR                                                                                                            | PAGE NO. |      |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------|------|
|        | SESAME ( <i>sesamum indicum</i> L.)                                                                                                                                                                 | Sugatri and Prabhat Kumar Gayen                                                                                   |          |      |
| 162    | EFFECT OF GROWTH RETARDANT ON GROWTH AND YIELD OF COTTON                                                                                                                                            | Fensi N. Chaudhari, Palav R. Marakana, H. R. Ramani and Harsh N. Patel                                            | 1355     | 1361 |
| 163    | ASSESSMENT OF GAMMA RAYS, EMS AND THEIR COMBINATION ON SEED GERMINATION AND EARLY SEEDLING GROWTH IN COWPEA ( <i>Vigna unguiculata</i> L. Walp.)                                                    | Aman, P.C. Gupta and Kapil Bishnoi                                                                                | 1362     | 1372 |
| 164    | IMPACT OF PRE-HARVEST FRUIT BAGGING ON BIOCHEMICAL ATTRIBUTES OF GUAVA (L-49)                                                                                                                       | Abdullah Zaid, Bijendra Kumar Singh, Nidhika Thakur, Sharad Kumar Singh, Anand Singh, Vigya Mishra and Pushpendra | 1373     | 1377 |
| 165    | QUANTITATIVE TRAIT ANALYSIS FOR GENETIC VARIABILITY AND HERITABILITY IN CHICKPEA ( <i>Cicer arietinum</i> L.) GERMPLASM                                                                             | Sneha Sharma, Vedant Sachan and Shama Parveen                                                                     | 1378     | 1383 |
| 166    | ALTITUDE-DRIVEN VARIATION IN MORPHOLOGY, PHYTOCHEMICALS, AND ANTI-NUTRITIONAL FACTORS IN BUCKWHEAT ( <i>Fagopyrum esculentum</i> )                                                                  | Pragya Chandra, K.C. Verma and Pawanesh Tamta                                                                     | 1384     | 1391 |
| 167    | PHYSICO-CHEMICAL AND ENGINEERING PROPERTIES OF PINEAPPLE ( <i>Ananas comosus</i> )                                                                                                                  | Rinkesh A. Gosavi, A.A. Sawant, A.G. Mohod, S.V. Pathak, P.B. Bansode and S.B. Kalse                              | 1392     | 1398 |
| 168    | IMPACT OF MINERAL SUPPLEMENTATION AND DEWORMER ON PRODUCTIVE PERFORMANCE OF LACTATING BUFFALOES IN BUNDELKHAND REGION                                                                               | S.P.S. Somvanshi, Shalini, Rajeev Singh Chauhan, N.K. Yadav and Ashok Kushwaha                                    | 1399     | 1404 |
| 169    | ENHANCING WHEAT NUTRITION THROUGH BIOFORTIFICATION AND THE ROLE OF GIBBERELLIC ACID – A COMPREHENSIVE REVIEW                                                                                        | Simranjeet Kaur, Akhil Bharti, Aaina Sharma and Ruchika                                                           | 1405     | 1417 |
| 170    | INTEGRATED APPROACHES FOR IMPROVING RABI GROUNDNUT ( <i>Arachis hypogaea</i> L.) PRODUCTIVITY UNDER DIFFERENT SOWING DATES: HIGH-INPUT MANAGEMENT, RHIZOSPHERE MICROBIOME, AND WATER SUSTAINABILITY | Nilotpal Das, Chinmaya Sahoo, Meghna Sarkar, Sk Moinuddin, Arafat Mondal, Om Prakash Singh and Krishnendu Dutta   | 1418     | 1443 |
| 171    | CHEMICAL TOPPING MEDIATED MODULATION OF PLANT ARCHITECTURE AND SOURCE-SINK DYNAMICS: A REVIEW                                                                                                       | Shekhar, Akhil Bharti and Aaina Sharma                                                                            | 1444     | 1462 |
| 172    | EFFECT OF MEDICINAL PLANT-FIELD CROP INTERCROPPING AND PLANTING GEOMETRY ON SOIL TEMPERATURE DYNAMICS AT DIFFERENT DEPTHS UNDER RABI CONDITIONS                                                     | Dibyashakti Priyadarshi, Sachin Mundhe, K. C. Dhavan and Gautam Saha                                              | 1463     | 1468 |
| 173    | EFFECT OF NANO DAP AND SEAWEED EXTRACT ON THE GROWTH AND PRODUCTIVITY OF POTATO ( <i>Solanum tuberosum</i> L.) IN INCEPTISOLS                                                                       | Sk Moinuddin, Sanjib Kumar Das and Chandan De                                                                     | 1469     | 1475 |
| 174    | STUDIES ON GENE ACTION AND HETEROSIS FOR YIELD AND YIELD ATTRIBUTES IN BLACKGRAM ( <i>Vigna mungo</i> L. Hepper)                                                                                    | M. Priyanka, K. Rukminidevi, K. Parimala, Ch. Anuradha and B. Supriya                                             | 1476     | 1483 |
| 175    | INTEGRATED CORRELATION AND PATH COEFFICIENT ANALYSIS OF YIELD CONTRIBUTING TRAITS IN SORGHUM ( <i>Sorghum bicolor</i> L. Moench)                                                                    | Sanjana Rao, Lakshman Singh, Dharmendra K. Janghel, Deepayan Roy and Kaushal Kumar Yadav                          | 1484     | 1491 |
| 176    | PERFORMANCE OF SUPER EARLY PIGEONPEA UNDER DIFFERENT DATES OF SOWING IN SOUTHERN TELANGANA ZONE OF INDIA                                                                                            | M. Parimal Kumar, K. Indudhar Reddy, K. Mamatha and N. Nalini                                                     | 1492     | 1499 |
| 177    | BIOLOGY OF CITRUS BUTTERFLY ( <i>Papilio demoleus</i> L.) IN ACID LIME                                                                                                                              | Hemangi Chaudhari, Sushma Deb, Anjali Patel and Koosi Sai Thilak                                                  | 1500     | 1505 |
| 178    | EFFECT OF GROWTH SUBSTANCES ON YIELD AND QUALITY ATTRIBUTES OF GUAVA ( <i>Psidium guajava</i> L.) CV. SHWETA                                                                                        | Hritul K. Gautam, Bijendra K. Singh, Amit K. Singh, Om Prakash, Vishal Chugh, Nidhika Thakur and Anand Singh      | 1506     | 1510 |
| 179    | SEASONAL INCIDENCE AND POPULATION DYNAMICS OF FALL ARMYWORM ( <i>Spodoptera frugiperda</i> ) ON MAIZE IN THE CAUVERY DELTA REGION OF TAMIL NADU, INDIA                                              | U. Priyanga and R. Kannan                                                                                         | 1511     | 1515 |
| 180    | WATER FOOTPRINT ASSESSMENT OF SOYBEAN UNDER AGROFORESTRY-BASED LAND USE SYSTEMS                                                                                                                     | Yogesh Kumar, Sandeep Chouhan, Tarun Kumar Thakur, Anita Thakur, Suneel Rathore and S.R.K Singh                   | 1516     | 1520 |
| 181    | PERFORMANCE OF BIOFERTILIZERS AND PHOSPHORUS LEVELS ON YIELD ATTRIBUTES AND YIELD OF LENTIL ( <i>Lens culinaris</i> Medik.)                                                                         | Aman Pachouri, Tshering Tamang, Shravan Kumar Maurya, Prabhat Kumar Gayen, Aakash Malik and Sonali Kokale         | 1521     | 1526 |
| 182    | DESIGN, DEVELOPMENT AND PERFORMANCE EVALUATION OF WEIGHT-BASED COCONUT GRADER                                                                                                                       | T. Pandiarajan, Hemant Kumar, P. Sudha, M. Anand and M. Balakrishnan                                              | 1527     | 1538 |
| 183    | ASSESSMENT OF SUSCEPTIBILITY OF SELECTED BLACK GRAM VARIETIES TO ROOT-KNOT NEMATODE ( <i>Meloidogyne incognita</i> Race 2) IN NET HOUSE                                                             | Partia Roy, Pritipriya Pal, Shanowly Mondal Ghosh, Shantanu Bista, Gautam                                         | 1539     | 1547 |

| S. No. | TITLE                                                                                                                                                                                                          | AUTHOR                                                                                                                         | PAGE NO. |      |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------|------|
|        | CONDITIONS                                                                                                                                                                                                     | Chakraborty and Sudip Das                                                                                                      |          |      |
| 184    | INFLUENCE OF BROCCOLI GROWTH, YIELD AND QUALITY THROUGH COMBINE EFFECT OF BIOSTIMULANT AND INORGANIC FERTILIZER ( <i>Brassica oleracea</i> L. var. <i>italica</i> )                                            | Tannu Sri, Sangeeta Kumari, Rishabh Kumar, Shiv Nath Das and N. Y. Azmi                                                        | 1548     | 1552 |
| 185    | ESTIMATION OF COMBINING ABILITY IN A LINE × TESTER MATING DESIGN AMONG ELITE INBRED LINES OF MAIZE ( <i>Zea mays</i> L.)                                                                                       | Anusha Galimudi, Bhadraru Dharavath, Vanisri Satturu, Usha Rani Gullipalli, Mallaiiah Bedika and Sridhar Vindla                | 1553     | 1560 |
| 186    | EFFECT OF INTEGRATED APPLICATION OF INORGANIC FERTILIZER AND ORGANIC SOURCES ON GROWTH ATTRIBUTES, YIELD PARAMETERS AND YIELDS OF TRANSPLANTED RICE UNDER INCEPTISOL ORDER OF SOIL                             | Ashish Kumar, Anupam Dubey, Nikhil Raghuvanshi, Dharmendra Kumar, Abhishek Raj Ranjan, Balveer Kumar, Amit Kumar and Ram Pyare | 1561     | 1565 |
| 187    | EVALUATION OF NUTRIENT MANAGEMENT PRACTICES AND FOLIAR SUPPLEMENTATION FOR ENHANCING GROWTH-DEPENDENT ATTRIBUTES, YIELD PARAMETERS AND YIELD OF CHICKPEA ( <i>Cicer arietinum</i> L.) UNDER RAINFED SITUATIONS | Abhishek Raj Ranjan, Narendra Singh, Arun Kumar, Deo Kumar, Vaishali Gangwar, Sharad Kumar Singh, G. S. Pawar and Ram Pyare    | 1566     | 1572 |
| 188    | COLD PLASMA TREATMENT - A SUSTAINABLE APPROACH IN ENHANCING SEED QUALITY IN SOYBEAN ( <i>Glycine max</i> L.)                                                                                                   | K. Seetha Bhagya Laxmi, K. Sukumar, M. Pallavi and P. Jagan Mohan Rao                                                          | 1573     | 1578 |
| 189    | EFFECT OF ARBUSCULAR MYCORRHIZAL FUNGI (AMF) AND NPK ON GROWTH, YIELD PARAMETERS OF CHILLI ( <i>Capsicum annuum</i> L.)                                                                                        | Prashant Singh Yadav, Ranjith Reddy, Pushpendra Kumar and Shipra Singh Parmar                                                  | 1579     | 1583 |
| 190    | ASSESSMENT OF GENETIC VARIABILITY, GENETIC DIVERGENCE AND CORRELATION AMONG YIELD AND YIELD-RELATED TRAITS IN RICE ( <i>Oryza sativa</i> L.)                                                                   | S.V.S. Sai Charan, Pramod Kumar Yadav, Vedant Sachan and Akash Barela                                                          | 1584     | 1590 |
| 191    | SUSTAINABLE QUALITY SEEDLING PRODUCTION OF NITROGEN FIXING TREE (NFT) SPECIES USING ORGANIC MANURES : A REVIEW                                                                                                 | Smith Barina, Chandan Bisoyi, L.K. Behera, A.A. Mehta, S.A. Huse, S.M. Patel and A.D. Thorat                                   | 1591     | 1599 |
| 192    | EFFECT OF FERTIGATION ON PRODUCTIVITY AND QUALITY ATTRIBUTES OF APPLE CV. FUJI ZHEN AZTEC UNDER HIGH-DENSITY PLANTING SYSTEM                                                                                   | Sultana Firdos, Rifat Bhat and M.K. Sharma                                                                                     | 1600     | 1604 |
| 193    | APPLICATION OF CROP WATER MODELLING IN SUSTAINABILITY OF GROUNDWATER AGRICULTURE                                                                                                                               | G. Arun Prasath and D. Velmurugan,                                                                                             | 1605     | 1612 |
| 194    | EFFECT OF MULCHING ON THE GROWTH DYNAMICS AND WEED MANAGEMENT IN CLUSTER BEAN ( <i>Cyamopsis tetragonoloba</i> L.)                                                                                             | Ram Swaroop Choudhary, Santosh Pandey, Surendra Kumar Meena, Ajay Kumar Yadav, Jatin, Deepika Yadav and Rounaque Parween       | 1613     | 1619 |
| 195    | IMPACT OF FRONT-LINE DEMONSTRATIONS ON YIELD AND ECONOMICS OF CHICKPEA IN DAUSA DISTRICT OF RAJASTHAN, INDIA                                                                                                   | Akshay Chittora, Sunita Kumari, B.L. Jat, J.K. Gupta and R.L. Meena                                                            | 1620     | 1625 |
| 196    | FIRST REPORT OF <i>Zeuxine longilabris</i> (ORCHIDACEAE) FROM CHHATTISGARH, INDIA                                                                                                                              | Yasaswinee Rout, Tarun Nayi, Bhaskar Chandra and Neetu Harmukh                                                                 | 1626     | 1627 |
| 197    | EFFECT OF DIFFERENT BIOSTIMULANT FORMULATIONS ON GROWTH, YIELD AND QUALITY OF TOMATO                                                                                                                           | Divyansh Tripathi, Navaldey Bharti, Divyansh Singh and Adarsh Pandey                                                           | 1628     | 1631 |
| 198    | MULTILINE VARIETY: PRINCIPLE AND BREEDING METHODS                                                                                                                                                              | Aarti Sharma, Mahesh Kumar and Md Shamim                                                                                       | 1632     | 1637 |
| 199    | PREDICTING FINAL GRAIN YIELD OF BORO RICE USING STEPWISE MULTIPLE REGRESSION AND WEATHER PARAMETERS IN THE NEW ALLUVIAL ZONE OF WEST BENGAL INDIA                                                              | Mundhe S.G., Das L. and Dibyashakti Priyadarshi                                                                                | 1638     | 1646 |
| 200    | EFFECT OF DEHYDRATION METHODS ON QUALITY OF ORNAMENTAL FOLIAGE                                                                                                                                                 | Prerna Deka, Supriya Langthasa, Kishalayee Gogoi, Ratna Kinkor Goswami and Nabajit Tanti                                       | 1647     | 1652 |
| 201    | BIOPRIMING OF FENUGREEK ( <i>Trigonella foenum-graecum</i> L.) SEEDS WITH BEEJAMRIT FOR IMPROVING SEEDLING GROWTH, BIOMASS ACCUMULATION CHARACTERISTICS                                                        | Manan Bansal, Goral Jani and Maulik Gadani                                                                                     | 1653     | 1662 |
| 202    | EFFECT OF DIFFERENT LAND CONFIGURATION AND CROP GEOMETRY ON BABY CORN ( <i>Zea mays</i> L.) AS THE GROWTH PERFORMANCE, SOIL AND PLANT NUTRIENT LEVELS                                                          | Aanchal Maurya, Nitish Kumar, Pallavi Srivastava and Sanjeet Kumar Singh                                                       | 1663     | 1668 |
| 203    | EFFECT OF INTEGRATED NUTRIENT MANAGEMENT ON GROWTH AND YIELD OF CARROT ( <i>Daucus carota</i> L.) CV. PUSA KESAR                                                                                               | Kamal Kumar Bairwa, R. S. Verma, Satpal, Harishankar Meena, Vipin Kumar Lakwal and Juhi Aswani                                 | 1669     | 1672 |
| 204    | WILD EDIBLE MUSHROOMS OF THE WESTERN HIMALAYAS: DISTRIBUTION, ETHNOMYCOLOGY AND MORPHOTAXONOMIC CHARACTERIZATION                                                                                               | Jitender Sharma, Sachin Gupta and Moni Gupta                                                                                   | 1673     | 1681 |

| S. No. | TITLE                                                                                                                                                                                                  | AUTHOR                                                                                                                                                   | PAGE NO. |      |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|
| 205    | EVALUATION OF COMBINING ABILITY EFFECTS IN COTTON USING DIALLEL CROSSES UNDER DIFFERENT ENVIRONMENTS                                                                                                   | V. M. Chaudhari and M. G. Valu                                                                                                                           | 1682     | 1687 |
| 206    | SITE SPECIFIC NUTRIENT MANAGEMENT OF POTATO THROUGH QUEFTS MODEL IN NORTHERN TRANSITIONAL ZONE OF KARNATAKA, INDIA                                                                                     | Saraswati S.S., Hiremath S.M., Shashidhar T.R., Sunitha J. and Roopa U.                                                                                  | 1688     | 1693 |
| 207    | ECOLOGICAL ASSESSMENT OF INSECT PEST AND NATURAL ENEMY DIVERSITY IN SPRAYED AND UNSPRAYED GROUNDNUT ECOSYSTEMS DURING THE VEGETATIVE STAGE IN NORTHERN TELANGANA                                       | Nikitha Sandru and G. Anitha                                                                                                                             | 1694     | 1700 |
| 208    | EFFECT OF NANO DAP ON GROWTH AND YIELD ATTRIBUTES OF GREEN GRAM ( <i>Vigna radiata</i> L.)                                                                                                             | Deepak Sharma and P.K. Singh                                                                                                                             | 1701     | 1707 |
| 209    | CORRELATION AND PATH ANALYSIS IN LINSEED ( <i>Linum usitatissimum</i> L.) FOR SEED YIELD AND YIELD ATTRIBUTING TRAITS                                                                                  | Kundan Kumar, Kumari Alka, N.P. Yadav, M.K. Barnwal, Manigopa Chakraborty and Shivam Mishra                                                              | 1708     | 1711 |
| 210    | INFLUENCE OF BIO-PRIMING WITH BENEFICIAL MICROORGANISMS ON GROWTH, YIELD AND QUALITY OF AROMATIC TURMERIC ( <i>Curcuma aromatica</i> Salisb.)                                                          | Utpal Singha, Anupam Pariari, Rahi Masum Reja and Anasuya Sil and Naseeb Giri                                                                            | 1712     | 1717 |
| 211    | GENETIC VARIABILITY, HERITABILITY AND GENETIC ADVANCE IN WILD AND CULTIVATED ACCESSIONS OF RICE ( <i>Oryza sativa</i> L.)                                                                              | Uma Bharti, Daisy Basandrai and Ashwani Basandrai                                                                                                        | 1718     | 1723 |
| 212    | GM CROPS IN AGROECOSYSTEM: A REVIEW OF EMERGING BENEFITS AND UNCERTAINTIES                                                                                                                             | Arghya Kusum Das, Dheer Agnihotri and Mukul Anand Ray                                                                                                    | 1724     | 1739 |
| 213    | PHYTOCHEMICAL AND ANTIBACTERIAL ACTIVITY OF <i>Ageratina adenophora</i> (Spreng.) R.M. King & H. Rob.                                                                                                  | Arti Sharma, Rajkumari Supriya Devi, Sanjeet Kumar, Sumitra Jethy and Remya Krishnan                                                                     | 1740     | 1744 |
| 214    | EFFECT OF DIFFERENT PHOSPHORUS LEVELS AND VARIETIES ON YIELD ATTRIBUTES, YIELD AND ECONOMICS OF MUNGBEAN UNDER CUSTARD APPLE BASED AGRI-HORTI SYSTEM                                                   | Pravesh Kumar, Aditya Shri, Ajay Yadav, J. S. Bohra, Anil Kumar Singh, Suborna Roy Chaudhary, D. B. Singh, Urjashi Bhattacharya and Saurabh Kumar Pandey | 1745     | 1750 |
| 215    | RESPONSE OF GREEN GRAM TO ORGANIC MANURE AND BIO-PESTICIDE DURING SUMMER IN LOWER GANGETIC PLAINS                                                                                                      | Jaladhar Gorain, Mrityunjay Ghosh, Sibajee Banerjee, Goutam Mondal, Tapas Biswas and Elora Bag                                                           | 1751     | 1755 |
| 216    | ANTAGONISTIC EFFECT OF BIO-AGENT ( <i>Trichoderma harzianum</i> ) OVER PATHOGEN ( <i>Colletotrichum capsici</i> Syd. Butler and Bisby) OF CHILLI ( <i>CAPSIUM ANNUUM</i> L.) BY DUAL CULTURE TECHNIQUE | Lebarstar Kharshandi and Sunil Zacharia                                                                                                                  | 1756     | 1761 |
| 217    | ASSOCIATION OF TOTAL FLAVONOID CONTENT WITH RESISTANCE TO THE SAFFLOWER APHID, <i>Uroleucon compositae</i> (THEOBALD), IN DIVERSE SAFFLOWER ( <i>Carthamus Tinctorius</i> L.) GENOTYPES                | Sabavath Nivas Naik, Gandham Sumathi, Bhanu Pratap Katlam, Siricilla Sushank and Kethavathu Swathi                                                       | 1762     | 1768 |
| 218    | ROOTSTOCKS IN VEGETABLE GRAFTING: FUNCTIONAL ROLES, MECHANISMS, AND AGRICULTURAL SIGNIFICANCE: A REVIEW                                                                                                | Sneha Rathore, Manju Verma, M. K. Poonia, Kamal Kumar Bairwa, Rakesh Kumar and Ashish Meena                                                              | 1769     | 1780 |
| 219    | PLANT SECONDARY METABOLITES IN PLANT DISEASE MANAGEMENT: NATURAL EXTRACTS, REGULATORY FUNCTIONS AND INTERACTION WITH PRIMARY METABOLISM                                                                | Rontung Kalita, Manoj Kumar Kalita and Palash Deb Nath                                                                                                   | 1781     | 1785 |
| 220    | BIO-EFFICACY OF <i>Beauveria bassiana</i> (Balsamo) VUILLEMIN WITH INSECTICIDES AGAINST FALL ARMYWORM, SPODOPTERA FRUGIPERDA (J.E. Smith) UNDER LABORATORY CONDITIONS                                  | Suresh R. Desai, Shailesh D. Patel and Sumedha                                                                                                           | 1786     | 1790 |
| 221    | CORRELATION AND PATH COEFFICIENT STUDIES IN BOTTLE GOURD                                                                                                                                               | Rahul Gurjar, Pushpendra Kumar, Shipra Singh Parmar and Ranjith Reddy                                                                                    | 1791     | 1796 |
| 222    | COMPARATIVE EVALUATION OF SOLVENT POLARITY ON THE EXTRACTION EFFICIENCY, PHYTOCHEMICAL RECOVERY AND ANTIOXIDANT CAPACITY OF <i>Ocimum sanctum</i> AND <i>Azadirachta indica</i>                        | Ilias Ahmed, Paragmoni Bora and Toufique Ahmed                                                                                                           | 1797     | 1803 |
| 223    | EVALUATION OF CHRYSANTHEMUM CULTIVARS FOR POT CULTIVATION                                                                                                                                              | Kommu Pavan Kumar, Tapas Kumar Chowdhuri, Raghunath Sadhukan and P. Arun Kumar                                                                           | 1804     | 1809 |
| 224    | VARIETAL STUDY OF TUBEROSE ( <i>Polianthes tuberosa</i> L.) FOR GROWTH AND YIELD                                                                                                                       | Kommu Pavan Kumar, Tapas Kumar Chowdhuri, Raghunath Sadhukan and P. Arun Kumar                                                                           | 1810     | 1815 |
| 225    | INFLUENCE OF SEED PRIMING AND BIO-FORMULATIONS ON GROWTH AND YIELD OF MUNGBEAN ( <i>Vigna radiata</i> L. Wilczek)                                                                                      | Sangeeta Choudhary, B. L. Dudwal, A.C. Shivran, Sunita Gupta, Rajhans Verma, Roshan Choudhary and Anil Jakhar                                            | 1816     | 1822 |

| S. No. | TITLE                                                                                                                                                                                                 | AUTHOR                                                                                                                                                                            | PAGE NO. |      |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|
| 226    | INFLUENCE OF VARYING LEVELS OF GIBBERELIC ACID (GA <sub>3</sub> ) ON GROWTH AND YIELD OF CHINA ASTER VARIETIES                                                                                        | Ekta Rajput, N. S. Gupta, P. K. Nagre, Manisha Deshmukh and S.G. Bharad                                                                                                           | 1823     | 1829 |
| 227    | ASSESSMENT OF GROWTH, YIELD AND QUALITY OF CABBAGE HYBRIDS IN GANGETIC PLAINS OF WEST BENGAL                                                                                                          | Sabiha Naz, Partha Choudhuri, Puspita Das, Trisha Baidya, Chandan Karak, Pran Krishna Thakur and Aurolipsa Panda                                                                  | 1830     | 1834 |
| 228    | BIO-EFFICACY OF DIFFERENT BIO-PESTICIDES AGAINST <i>Hyadaphis coriandari</i> DAS ON FENNEL                                                                                                            | Maya Choudhary, B. S. Mitharwal, Rakesh Jitarwal and Ravina                                                                                                                       | 1835     | 1840 |
| 229    | BIOLOGICAL ATTRIBUTES OF APHID, <i>Macrosiphoniella sanbornii</i> (Gillette) ON THREE DIFFERENT ORNAMENTAL HOST PLANTS                                                                                | Nittheesha, Mengali and Barad A. H.                                                                                                                                               | 1841     | 1846 |
| 230    | DIVERSITY, HOST SPECIFICITY AND DUS-BASED QUALITATIVE MORPHOLOGICAL CHARACTERIZATION OF ORCHIDS IN CHHATTISGARH PLAINS                                                                                | Neelima Khunte, Rajeshwari Sahu, Toran Lal Sahu, Amit Dixit, Jeewan Singh Jalal, Bharti Sao, Sonal Tiwari, Suvigya Gautam, Amar Prakash, Vinay Dansena and Payal Sahu             | 1847     | 1856 |
| 231    | COMBINING ABILITY ANALYSIS FOR YIELD AND ITS COMPONENT TRAITS IN OKRA ( <i>Abelmoschus esculentus</i> L.) USING HALF DIALLEL MATING DESIGN                                                            | Rehan Anjum, Ajeet Singh, Manish Kumar Singh, Himanshu Singh, Shweta Soni, Bhanu Prakash Singh, Piyush Pratap Kushwaha, Varun Dwivedi, Jayshree Singh and Shubham Patel           | 1857     | 1866 |
| 232    | EFFECT OF INTEGRATED NUTRIENT MANAGEMENT ON YIELD AND QUALITY OF TOMATO ( <i>Solanum lycopersicum</i> L.)                                                                                             | Aman Pandey, Abhinav Kumar and Rudra Pratap Singh                                                                                                                                 | 1867     | 1872 |
| 233    | MODULATING OKRA SEED YIELD AND QUALITY THROUGH APPLICATION OF PLANT GROWTH INHIBITORS                                                                                                                 | S.M. Darve, S.M. Ghawade, A.P. Wagh and Sujata B. Gaikwad                                                                                                                         | 1873     | 1883 |
| 234    | VEGETABLE ANTIOXIDANTS IN CANCER PREVENTION: A REVIEW                                                                                                                                                 | Anjali B.N., Prakash K., Shruti P.G. and Veena B.U.                                                                                                                               | 1884     | 1892 |
| 235    | COMPARATIVE ANALYSIS OF HETEROSIS AND INBREEDING DEPRESSION FOR YIELD AND YIELD-CONTRIBUTING TRAITS IN CUCUMBER ( <i>Cucumis sativus</i> L.)                                                          | Krishan Kumar, Rajiv, Subham Singh, Prem Kumar, Ankita Tiwari, Rahul Kumar, Dharmendra Bahadur Singh, Rohit Rawat and Vishal Yadav                                                | 1893     | 1906 |
| 236    | COMPARATIVE ANATOMICAL ADAPTATIONS OF <i>Cynodon dactylon</i> L. PERS. AND <i>Chloris barbata</i> Sw. IN SEMI-ARID HABITATS OF GUJARAT, INDIA                                                         | Nupur A. Vijayanshi and Rupesh N. Nakar                                                                                                                                           | 1907     | 1913 |
| 237    | IMPACT OF BIO-NANO DAP ON GROWTH AND YIELD OF GROUNDNUT AT REDUCED FERTILIZER APPLICATION RATES AND ITS COMPARISON WITH STATE RECOMMENDED DOSE OF FERTILIZERS                                         | S. K. Bishnoi, Kailash Patel, Garima Sharma, Manish Kumar, Shweta Gupta, Naresh Kumar Yadav and Rahul Jakhar                                                                      | 1914     | 1920 |
| 238    | EFFECT OF DROUGHT STRESS ON CONTENT AND COMPOSITION OF TOTAL ROOT ALKALOIDS IN SHALPARNI ( <i>Desmodium gangeticum</i> L. DC.)                                                                        | Abhijith S.S., Gautham Suresh S.P. and Anilkumar, A.S.                                                                                                                            | 1921     | 1924 |
| 239    | GENETIC DIVERSITY AND CLUSTER ANALYSIS OF FODDER COWPEA ( <i>Vigna unguiculata</i> L. WALP.) GERMPLASM USING MAHALANOBIS D <sup>2</sup> STATISTICS                                                    | B. Surender, T. Shashikala, N. Sivaraj and A. Padma Shri                                                                                                                          | 1925     | 1932 |
| 240    | GENETIC DIVERGENCE ANALYSIS AND EVALUATION OF RESISTANCE TO MUNGBEAN YELLOW MOSAIC VIRUS (MYMV) IN GREEN GRAM ( <i>Vigna radiata</i> L. Wilczek)                                                      | Katariya Maheshkumar Atubhai, Manju Singh, Chanchal Shakyawal, Rishabh Shukla and Simran Singh                                                                                    | 1933     | 1938 |
| 241    | SURVEY AND DISEASE PREVALENCE OF BASAL ROT OF ONION IN NORTH WESTERN ZONES OF TAMIL NADU                                                                                                              | Boopathi P., Aatheeshyan A., Chandra Prabha J. and Inbathamizhan V.                                                                                                               | 1939     | 1946 |
| 242    | EFFECT OF AGRONOMIC BIOFORTIFICATION WITH ZINC AND IRON ON GROWTH AND YIELD OF SORGHUM ( <i>Sorghum bicolor</i> L.) HYBRID VARIETIES                                                                  | Reema, A.C. Shivrani, B.L. Dudwal, S.K. Dadhich, B.L. Kakralya, G.K. Mittal, Sarita Jat, Anuradha Yadav, Sangeeta Choudhary, Deepika Yadav, Janak Raj and Anil Jakhar             | 1947     | 1954 |
| 243    | SUBSTITUTING A QUARTER OF THE MINERAL FERTILIZER WITH AN N P K Zn MICROBIAL CONSORTIUM AND POST-EMERGENCE HERBICIDE GOVERN GROWTH AND YIELD ATTRIBUTES OF COWPEA ( <i>Vigna unguiculata</i> L. Walp.) | Rahul, Ram Niwas Choudhary, Shweta Gupta, Varsha Jeetarwal, Manisha Kumawat, Naveen Kumar, Sachin Saini, Pinki Dadarwal, H. P. Parewa, R. C. Meena, S. K. Dadhich and Bheem Parek | 1955     | 1962 |
| 244    | EFFECT OF WEED MANAGEMENT PRACTICES ON PEARL MILLET ( <i>Pennisetum glaucum</i> L.) PRODUCTIVITY AND WEED DYNAMICS UNDER SEMI-ARID CONDITION OF RAJASTHAN INDIA                                       | Seema Sharma, Ram Niwas Choudhary, Shweta Gupta, Pratibha Singh, Bheem Pareek and Anju Kanwar Khahgarot                                                                           | 1963     | 1967 |
| 245    | MANAGEMENT OF NOXIOUS WEED <i>Cyperus rotundus</i> IN PEARLMILLET UNDER SEMI-ARID REGION OF RAJASTHAN INDIA                                                                                           | Shweta Gupta, Surendra Singh, Seema Sharma, Ram Niwas Choudhary, Pratibha Singh, Bheem Pareek, Kavita                                                                             | 1968     | 1972 |

| S. No. | TITLE                                                                                                                                                                                                      | AUTHOR                                                                                                                                                            | PAGE NO. |      |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|
|        |                                                                                                                                                                                                            | Bhadu and Rahul                                                                                                                                                   |          |      |
| 246    | AGROFORESTRY POLICY OF TAMIL NADU INDIA: A REVIEW OF CHALLENGES, STRATEGIES AND FUTURE DIRECTIONS                                                                                                          | Ammaiyappan A.                                                                                                                                                    | 1973     | 1984 |
| 247    | TRAIT INTERRELATIONSHIP AND YIELD NETWORK ANALYSIS IN ELITE RICE ( <i>Oryza sativa</i> L.) CULTURES                                                                                                        | Ramya Rathod, A. Krishna Chaitanya, Sai Charan M., R. Ramesh, J. Chandrakala and K. Pavan Chandra Reddy                                                           | 1985     | 1991 |
| 248    | MORPHOLOGICAL CHARACTERIZATION OF VARIOUS QUALITATIVE TRAITS OF SNAPMELON ( <i>Cucumis melo</i> var. <i>momordica</i> Duth. & Full.) GENOTYPES UNDER KONKAN AGRO CLIMATIC CONDITIONS                       | Pooja A. Dabholkar, Y.R. Parulekar, P.C. Haldavanekar, V.V. Dalvi, K.V. Malshe, R.V. Dhovavkar, Aishwarya S. Surve and Tejesh S. Pawar                            | 1992     | 2000 |
| 249    | GROWTH, YIELD ATTRIBUTES AND YIELD OF ZERO TILL MAIZE AS INFLUENCED BY VARIOUS NUTRIENT LEVELS AND WEED MANAGEMENT PRACTICES                                                                               | E. Priyankabai, G. Karuna Sagar, D. Subramanyam, M. Sreenivasa Chari and B. Sandhya Rani                                                                          | 2001     | 2005 |
| 250    | SUMMER PRUNING IN APPLE ( <i>Malus domestica</i> borkh.): PHYSIOLOGICAL BASIS, TECHNIQUES AND FRUIT QUALITY OUTCOMES: A COMPREHENSIVE REVIEW                                                               | Arun Kumar, Durga Prashad Bhandhari and Deepika                                                                                                                   | 2006     | 2014 |
| 251    | ANALYSIS OF GENETIC PARAMETERS IN RICE ( <i>Oryza sativa</i> L.) GENOTYPES INCLUDING VARIABILITY, HERITABILITY AND GENETIC ADVANCE                                                                         | Pradyum Maurya, Pandurang Bhagvan Arsode, Mohit Kumar, Anurag Singh, Ruchi, Chirag, Sachin Yadav, Anurag and Pallavi Dwivedi                                      | 2015     | 2021 |
| 252    | GENETIC ANALYSIS OF HETEROSIS FOR FRUIT YIELD AND CONTRIBUTING TRAITS IN OKRA ( <i>Abelmoschus esculentus</i> L. Moench)                                                                                   | M.N. Patel, S.M. Makwana, H.N. Chaudhari and D.A. Patel                                                                                                           | 2022     | 2027 |
| 253    | CORRELATION, INTERGENERATION CORRELATION AND PATH ANALYSIS STUDIES FOR YIELD AND YIELD ATTRIBUTING TRAITS IN F <sub>4</sub> AND F <sub>5</sub> GENERATIONS OF SOYBEAN                                      | Spoorthi S.R.' and Immadi S.U.                                                                                                                                    | 2028     | 2033 |
| 254    | RESPONSE OF ESSENTIAL HEAVY METALS ON LIPOXIGENASE ACTIVITY, PROLINE AND TOTAL SUGARS IN <i>Polianthus tuberosa</i> CV. 'PRAJWAL'                                                                          | L. Gowthami, V. Vijaya Bhaskar and R.P. Premalatha                                                                                                                | 2034     | 2041 |
| 255    | RESPONSE OF NETTING AND PROTECTIVE SPRAY APPLICATION ON FRUIT QUALITY OF APPLE CV. RED VELOX                                                                                                               | Mir Uzma Parveze, Mohammad Maqbool Mir, Munib Ur Rehman, Imtiyaz Ahmad Zargar, Zaffar Mehdi, Sameera Qayoom, Javid Iqbal Mir, Saba Qayoom Khan and Irtiga Mushtaq | 2042     | 2047 |
| 256    | SECONDARY AND MICRONUTRIENT-MEDIATED RESPONSE OF GROWTH AND REPRODUCTIVE TRAITS IN PAPAYA CV. ARKA SURYA                                                                                                   | Amrutha A., Meera Mohan N., Sonia N.S., Meera Manjusha V. and Binitha N.K.                                                                                        | 2048     | 2053 |
| 257    | MULTIVARIATE ANALYSIS OF GENERAL COMBINING ABILITY EFFECTS IN LINSEED ( <i>Linum usitatissimum</i> L.) USING PRINCIPAL COMPONENT ANALYSIS AND HIERARCHICAL CLUSTERING                                      | Helee Patel, Pranay C. Patel, Himani P. Vadodariya, N. V. Soni, H. N. Zala, A. M. Patel and S. K. Shah                                                            | 2054     | 2062 |
| 258    | EFFECT OF ORGANIC MANURES AND NANO FERTILIZERS ON GROWTH OF CHINA ASTER ( <i>Callistephus chinensis</i> L. Nees.) CV. PHULE GANESH VIOLET                                                                  | Bishakha Bhowmik, G.P. Nag, Rajeshwari Sahu, Eshu Sahu, Rinu, Keval and Vinay Dansena                                                                             | 2063     | 2067 |
| 259    | BIO-EFFICACY OF <i>Metarhizium anisopliae</i> (METCHNIKOFF) SOROKIN IN COMBINATION WITH BIOPESTICIDES AGAINST JASSID, <i>Amrasca biguttula biguttula</i> (ISHIDA) INFESTING BRINJAL                        | Utsav N. Koradiya, N.B. Patel and Puja Pandey                                                                                                                     | 2068     | 2075 |
| 260    | DISSECTING GENE ACTION IN INDIAN MUSTARD ( <i>Brassica juncea</i> L. Czern & Coss) USING HAYMAN'S NUMERICAL AND GRAPHICAL METHODS IN NORMAL (E <sub>1</sub> ) AND LATE SOWN (E <sub>2</sub> ) ENVIRONMENTS | Arun Mirala, Ram Kunwar, D.K. Gothwal, Sunita Gupta, G. K. Mittal and A.C. Shivran                                                                                | 2076     | 2086 |
| 261    | RECENT ADVANCEMENTS IN GRAPEVINE ( <i>Vitis vinifera</i> L.) IMPROVEMENT: INTEGRATING NOVEL GENETICS, BIOTECHNOLOGY AND BREEDING STRATEGIES                                                                | M.Chithra, P. Sharmela and G. Indian                                                                                                                              | 2087     | 2095 |
| 262    | POPULATION DYNAMICS OF <i>Clavigralla gibbosa</i> (Spinola) AND ITS CORRELATION WITH WEATHER PARAMETERS                                                                                                    | Hardip Gamit, K. M. Patel, A. T. Patel and Sudevi Chaudhari                                                                                                       | 2096     | 2099 |
| 263    | NUTRIENT UPTAKE, SOIL PROPERTIES AND YIELD OF CAULIFLOWER ( <i>Brassica oleracea</i> L. Group Botrytis L.) AS AFFECTED BY NATURAL AND CHEMICAL FARMING SYSTEMS                                             | Anurag Sharma, Meera Devi, Arti Shukla, Amit Vikram, Garima, Yourmilla Kumari, Sushil Dhiman and Anjali Verma                                                     | 2100     | 2112 |
| 264    | MORPHOLOGY, PHYTOCHEMICAL SCREENING AND ANTIOXIDANT ACTIVITY OF <i>Gymnosporia rothiana</i> (Walp.) M.A. LAWSON                                                                                            | Rani Runam, Rajkumari Supriya Devi, Sumitra Jethy, Kadambini Das and Ranjeet Yadav                                                                                | 2113     | 2117 |
| 265    | OPTIMIZING PRODUCTIVITY OF DIRECT-SEEDED RICE ( <i>Oryza sativa</i> L.) THROUGH BROWN MANURING AND INORGANIC NITROGEN MANAGEMENT                                                                           | S. Sai Chandrika, S. Bharathi, K. Chandrasekhar, M. Latha and G. Vijaya Kumar                                                                                     | 2118     | 2122 |

| S. No. | TITLE                                                                                                                                                                  | AUTHOR                                                                                                                                                 | PAGE NO. |      |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|
| 266    | GENETIC CHARACTERIZATION OF NORTH-WEST HIMALAYAN LANDRACES AND ESTABLISHED DOUBLED HAPLOIDS OF BREAD WHEAT ( <i>Triticum aestivum</i> L.)                              | Prikshit, Harinder K. Chaudhary, Nimit Kumar and Isha Goswami                                                                                          | 2123     | 2130 |
| 267    | RESPONSE OF SESAME ( <i>Sesamum indicum</i> L.) TO MOISTURE CONSERVATION PRACTICES AND FOLIAR ZINC AND BORON NUTRITION UNDER SEMI-ARID CONDITIONS                      | Anil Jakhar, B.L. Dudwal, D.K. Jajoria, M.K. Sharma, Manohar Ram, D.K. Gothwal, Priyanka Choudhary, Rahul Jakhar, Sangeeta Choudhary and Reema         | 2131     | 2136 |
| 268    | MICROBIAL VOLATILES –AN ECO FRIENDLY ALTERNATE APPROACH FOR SUCKING PESTS MANAGEMENT IN COTTON                                                                         | M. Sivarama Krishna, K. Ashok Kumar, K. Mohan Vishnu Vardhan, M. Johnson and Rishi Kumar                                                               | 2137     | 2147 |
| 269    | IMPACT OF SCHEDULING PRILLED AND NANO-UREA ON GROWTH AND YIELD OF WHEAT ( <i>Triticum aestivum</i> L.)                                                                 | Gayatri Pralhad Turkar, Hitendra Kumar Rai, A. K. Upadhyay, R. K. Sahu, Sanjay Kumar Singh and Umesh Singh                                             | 2148     | 2157 |
| 270    | EFFECT OF POT SIZE AND CULTIVARS ON GROWTH AND FLOWERING OF POT CHRYSANTHEMUM ( <i>Chrysanthemum morifolium</i> Ramat.)                                                | Radhika D. Savaliya, Dhawani A. Patel, Kiran Kumari, M.R. Dholariya and P.K. Manani                                                                    | 2158     | 2162 |
| 271    | GENETIC VARIABILITY AND CHARACTER ASSOCIATION STUDIES IN SESAME ( <i>Sesamum indicum</i> L.) GERMPLASM                                                                 | Sabhavatu Damodar Nayak, Pramod Kumar Yadav, Akash Barela, Vamsi Krishna Reddy Baddeli and Madakam Praveen Kumar                                       | 2163     | 2168 |
| 272    | PHENOTYPIC CHARACTERIZATION AND TRAIT CORRELATIONS OF EARLY SEEDLING VIGOUR AND ITS COMPONENT TRAITS IN A SUBSET OF RICE ( <i>Oryza sativa</i> L.) 3K PANEL            | Deepthi S.T., Dushyantha Kumar B.M., C. Gireesh, Lakshmana D., Basavaraj Ishwar Halingali, H. K. Veeranna, K.M. Satish, Vishwasgowda C. and Karthik N. | 2169     | 2181 |
| 273    | HETEROTIC GROUPING OF MAIZE INBRED LINES BASED ON COMBINING ABILITY EFFECTS FOR GRAIN YIELD                                                                            | Anusha Galimudi, Bhadraru Dharavath, Vanisri Satturu, Usha Rani Gullipalli, Mallaiiah Bedika and Sridhar Vindla                                        | 2182     | 2192 |
| 274    | ECONOMICS AND INPUT USE EFFICIENCY IN CASTOR CULTIVATION IN NORTHERN GUJARAT, INDIA                                                                                    | Dharmik G. Borisagar, O.P. Singh, Mohit Kumar and Vaishnavi Singh                                                                                      | 2193     | 2199 |
| 275    | ASSESSMENT OF YIELD COMPONENTS AND MUNGBEAN YELLOW MOSAIC VIRUS RESISTANCE IN BLACKGRAM ( <i>Vigna mungo</i> L. Hepper) UNDER RICE FALLOW CONDITIONS                   | K. Vamsi Krishna, K. Nagendra Rao, V. Satyanarayana Rao, V. Srinivasa Rao and G. Srihari                                                               | 2200     | 2206 |
| 276    | EVALUATION OF DIETARY L-ASCORBIC ACID, L-LEUCINE, AND THEIR COMBINED SUPPLEMENTATION ON DIGESTIVE ENZYME ACTIVITIES OF <i>Labeo catla</i> FINGERLINGS                  | Asif I. Bhadarka, Abhay B. Bamaniya, Sajid I. Yusufzai, Jaya K. Vala, Nidhi V. Rathod, Kinjal R. Katariya, Imran S. Pathan and Krishna K. Chopara      | 2207     | 2212 |
| 277    | WEED INDICES AND CORRELATION STUDY UNDER DIFFERENT PRE AND POST EMERGENCE HERBICIDES IN WHITE ONION ( <i>Allium cepa</i> L.)                                           | Mote G.K., Thorat T.N., Bodake P.S., Raut K.S., Kadam J.J., Sanap P.B., Chavan, A.P., Rajemahadik V.A. and Borse D.K.                                  | 2213     | 2219 |
| 278    | INFLUENCE OF CORM SPLITTING AND PLANT SPACING ON GROWTH AND FLOWERING IN GLADIOLUS ( <i>Gladiolus grandiflorus</i> L.) CV. WHITE PROSPERITY                            | R. Reshma, Rushabh. J. Makwana, Krishnakumar P. Donda and Akshay D. Solanki                                                                            | 2220     | 2225 |
| 279    | IMPACT OF BIORATIONAL INSECTICIDES ON THE POPULATION OF NATURAL ENEMIES IN COWPEA UNDER FIELD CONDITIONS                                                               | Suman, R. K. Meena, S. L. Sharma, D. R. Bajya, Suman Choudhary and Akhtar Hussain                                                                      | 2226     | 2234 |
| 280    | FIELD EVALUATION OF NEWER INSECTICIDES AND BOTANICALS FOR MANAGEMENT OF FRUIT FLY, <i>Zeugodacus cucurbitae</i> LUCAS ON BOTTLE GOURD IN SEMI-ARID REGION OF RAJASTHAN | Ram Ratan Yadav, Jugal Kishor Bana , S. L. Sharma and Sunil Kumar Jangir                                                                               | 2235     | 2241 |
| 281    | EVALUATION OF PRECISION NUTRIENT MANAGEMENT PRACTICES IN GREEN GRAM                                                                                                    | Kalyani Raut, Prashant Bodake, Tushar Thorat, Girija Mote, Sunil Dalvi , Sagar More, Prakash Sanap, Ashokkumar Chavan and Vaibhav Rajemahadik          | 2242     | 2247 |
| 282    | ELEVATING TRADE QUALITY OF WHEAT GRAIN THROUGH INTEGRATED NUTRIENT MANAGEMENT: A COMBINATION STUDY OF ORGANIC AND INORGANIC FERTILIZERS                                | Sonali Kokale, Jayanti Ballabh, Paritosh Nath, Nilotpal Das and Aditya Vikram Nirala                                                                   | 2248     | 2253 |
| 283    | NEXT-GENERATION MEAT ALTERNATIVES FOR SUSTAINABLE HUMAN HEALTH: A REVIEW                                                                                               | P.K. Pidurkar , B.M. Kamble, V.S. Patil, Ritu S. Thakre, S.R. Shelke, U.S. Dhemre, V.K. Bandgar and M.R. More                                          | 2254     | 2271 |
| 284    | BIO-EFFICACY OF PRE- AND POST- EMERGENCE HERBICIDES ON YIELD ATTRIBUTES, YIELD AND ECONOMICS OF WHEAT ( <i>Triticum aestivum</i> L.)                                   | Abhishek Dubey, Hirdesh Kumar, Aakash Malik and Pradeep                                                                                                | 2272     | 2278 |
| 285    | EFFECT OF DIFFERENT TYPES OF MULCHING AND BIOFERTILIZERS ON GROWTH OF BRINJAL ( <i>Solanum melongena</i> L.)                                                           | Ankit Bhadoriya, Sachin Kumar Singh, Hirdesh Kumar, Arun Sahu, Arun Yadav and Naveen Kumar Singh                                                       | 2279     | 2288 |

| S. No. | TITLE                                                                                                                                                                       | AUTHOR                                                                                                                                                                                  | PAGE NO. |      |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|
| 286    | BIOLOGY OF MIDRIB FOLDER, <i>Banisia myrsusalis elearalis</i> WALKER (LEPIDOPTERA: THYRIDIDAE) ON SAPOTA                                                                    | R.G. Pansuriya, C.B. Varma and H.C. Patel                                                                                                                                               | 2289     | 2295 |
| 287    | ASSESSMENT OF DIFFERENT ORGANIC MANURES AND BIO-FERTILIZERS ON GERMINATION AND GROWTH OF RADISH ( <i>Raphanus sativus</i> L.) UNDER BASTAR PLATEAU                          | Parvati, Kalpana Kunjam, Eshu Sahu, Asim Kumar, Ramsagar Verma and Devi Ram Sahu                                                                                                        | 2296     | 2301 |
| 288    | ASSESSMENT OF PHYSICO-CHEMICAL QUALITY ATTRIBUTES OF FRESH RIPE GUAVA ( <i>Psidium guajava</i> L.) FRUITS AS RAW MATERIAL FOR GUAVA LEATHER PROCESSING                      | Ramsagar Verma, Bhagwat Kumar, Ganesh Prasad Nag, Amit Mahilang and Parvati                                                                                                             | 2302     | 2306 |
| 289    | <i>In vitro</i> EFFICACY OF SILVER AND COPPER NANOPARTICLES AGAINST <i>Fusarium oxysporum</i> AND <i>Macrophomina phaseolina</i> ASSOCIATED WITH SOYBEAN SEEDS              | Ajit D. Lokhande, S.R. Zanjare, T.S. Godhavale, S. B. Latake, A.V. Suryawanshi, S.V. Kolase and A.M. Navale                                                                             | 2307     | 2311 |
| 290    | EFFECT OF POST-EMERGENCE HERBICIDES ON WEED DYNAMICS, GROWTH, YIELD AND ECONOMICS OF CLUSTERBEAN ( <i>Cyamopsis tetragonoloba</i> L.)                                       | Ram Niwas Choudhary, Shweta Gupta, Bheem Pareek, Seema Sharma, M.R. Yadav, H.P., Parewa, Pratibha Singh and Rahul                                                                       | 2312     | 2319 |
| 291    | ASSESSING THE ADOPTION AND INTENSITY OF PADDY TRANSPLANTING MACHINE SERVICES IN THANJAVUR DISTRICT OF TAMIL NADU: A DOUBLE HURDLE APPROACH                                  | P. Balamurugan, K. Sitadevi and C. Prabakar                                                                                                                                             | 2320     | 2328 |
| 292    | FIELD ASSESSMENT OF CERTAIN MAIZE INBREDS FOR RESISTANCE TO BANDED LEAF AND SHEATH BLIGHT ( <i>Rhizoctonia solani</i> F. Sp. <i>Sesakii</i> )                               | Mudunuri Ramabhadra Raju, Injeti Sudhir Kumar, Vemana Sujatha, Battina Deepti Priya and P. Bharat Chandra                                                                               | 2329     | 2334 |
| 293    | CHARACTERIZATION OF GROUNDNUT ( <i>Arachis hypogaea</i> L.) GENOTYPES THROUGH SEED BIOCHEMICAL ATTRIBUTES                                                                   | Foram Chaudhari, Dharmendra Mehta, Yash Chaudhary, Bhautik Jani and Jagdish Patel                                                                                                       | 2335     | 2340 |
| 294    | THE USE EFFICIENCIES OF SULPHUR AND BORON AS INFLUENCED BY LIMING AND CROP PRODUCTION ECONOMICS IN A RAPESEED-GREENGRAM CROPPING SEQUENCE IN NORTH BANK PLAIN ZONE OF ASSAM | Britan Rahman, Samiron Dutta, Mrinal Choudhury, Perves Ahmed, Pompy Deka, Sabina Ahmed and Dipankar Sonowal                                                                             | 2341     | 2348 |
| 295    | EFFECT OF BIOSTIMULANTS AND PGRS ON FLOWERING CHARACTERS AND YIELD OF GAILLARDIA ( <i>Gaillardia pulchella</i> ) CV. LOCAL                                                  | Roshni S. Patel, Ahir M. P. and Devyani Z. Thakarya.                                                                                                                                    | 2349     | 2354 |
| 296    | UNDERSTANDING SPATIAL VARIABILITY OF SOIL PROPERTIES AND REGIONAL DELINEATION USING SOIL FERTILITY INDICES- A STUDY OF HIMACHAL PRADESH                                     | Shiwani Bhadwal, Ankit Yadav, Yash Gautam, Tribhuvan Nath and H.P. Singh                                                                                                                | 2355     | 2364 |
| 297    | ASSESSMENT OF GENETIC VARIABILITY PARAMETERS IN DOUBLED HAPLOID MAIZE LINES FOR YIELD ENHANCEMENT                                                                           | K. Varthika, D. Sravani, K. R. Yathish and K. Lakshmi Prasanna                                                                                                                          | 2365     | 2370 |
| 298    | STANDARDIZATION OF SPACING AND FERTILIZERS IN SONG OF INDIA ( <i>Dracaena reflexa</i> Lam.) UNDER SHADE HOUSE CONDITION                                                     | Vidyashri Gundale, Naveen M. P., Sanjeevreddi G. Reddi, Sateesh R. Patil, Shripad Vishweshwar and Anasubai S. Hosagoudar                                                                | 2371     | 2379 |
| 299    | NATURAL BAST FIBRES AS SUSTAINABLE SUBSTITUTES FOR SYNTHETIC PLASTIC: A LIFECYCLE AND SOIL DYNAMICS ANALYSIS                                                                | Jadhav S.S., Danawale N.J., Solanke A.V., Ilhe S.S. and Patil M.R.                                                                                                                      | 2380     | 2384 |
| 300    | INTERACTIVE EFFECTS OF CROP GEOMETRY AND SULPHUR LEVELS ON GROWTH AND YIELD OF LINSEED ( <i>Linum usitatissimum</i> L.)                                                     | Priya Meena, Ajeet Singh, Y. A. Tamboli, Manoj Kumar Jangid, G.R. Chaudhary and R. K. Bansal                                                                                            | 2385     | 2390 |
| 301    | EXPLORING THE TIME-BASED BIOPRIMING EFFECTS OF <i>TRICHODERMA</i> ON GROWTH PARAMETERS OF VEGETABLE SEEDS                                                                   | Nidhi Kumari, Satyendra Pratap Singh, Prabhat Kumar, Jharjhari Chakma, Priyanka Kumawat, Mohit Meena, Supriya Mondal, Rishabh Shukla, Shruti Singh, Chanchal Shakywal and Priyanshu Rad | 2391     | 2395 |
| 302    | GENETIC ANALYSIS OF HETEROSIS FOR YIELD AND QUALITY TRAITS IN TOMATO UNDER POLYHOUSE CONDITIONS                                                                             | Rakesh Kumar, Anil Bhushan, R. K Samnotra, Reshav Naik, Sonali Sharma, Khati Malo, Insha Ali, Suhail Raj Rana and Sheikh Amjid                                                          | 2396     | 2408 |
| 303    | NATURAL FARMING FOR CLIMATE RESILIENCE IN CORIANDER: RESPONSE OF BEEJAMRITAM UNDER SALINITY STRESS                                                                          | Mahesha K.N., Apoorva Guddaraddi, Sireesha Y., Reshma A., Sadarunnisa S., Sudheer Kumar P. and Satya Sree P.                                                                            | 2409     | 2414 |
| 304    | EFFECT OF CROP ESTABLISHMENT METHODS AND RESIDUE RETENTION ON GROWTH, YIELD AND ECONOMICS OF KHARIF MAIZE ( <i>Zea mays</i> L.) UNDER CONSERVATION AGRICULTURE              | Mohit, B.R. Kamboj, Pardeep Phogat, Dharam Bir Yadav, Ankit Singh, Neetu Choudhary and Rajesh Mor                                                                                       | 2415     | 2426 |

| S. No. | TITLE                                                                                                                                                                                                              | AUTHOR                                                                                                                                                                                | PAGE NO. |      |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|
| 305    | MORPHOLOGICAL CHARACTERIZATION AND QUALITATIVE TRAIT DIVERSITY IN COWPEA ( <i>Vigna Unguiculata</i> L. Walp.) GENOTYPES UNDER SUMMER CONDITIONS IN SOUTH GUJARAT                                                   | Mallikarjuna K.N., V.K. Parmar, Y.N. Tandel, A.I. Patel, D.R. Bhandari, Shivanand Koti and Sangamesh                                                                                  | 2427     | 2434 |
| 306    | CLIMATE RESILIENT PEARL MILLET HYBRID GHB 1294 ( <i>Maru moti</i> ): ENTITLE FARMERS FOR BETTER CULTIVATION                                                                                                        | K.D. Mungra, S.K. Parmar, D.V. Kandoriya, S.N. Galani, P.M. Sondarava, R.J. Chaudhari and J.S. Sorathiya                                                                              | 2435     | 2442 |
| 307    | SMART SENSING IN FLORICULTURE: ROLE OF IOT, AI, AND REMOTE MONITORING IN PRECISION ORNAMENTAL HORTICULTURE                                                                                                         | Sima A Sarvade, B. M., Nandre, Dhvani A. Patel, M. K. Sharma. Kaushik Solanki, Shailesh Chaudhary and Ajay Baraiya                                                                    | 2443     | 2451 |
| 308    | SEASONAL INCIDENCE OF <i>Helicoverpa armigera</i> (Hübner) AND ITS LARVAL PARASITOID <i>Campoletis chloridaeae</i> UCHIDA IN CHICKPEA                                                                              | Piyush Sharma, M.K. Mahla, Mahaveer Meena, Ajay Tanwar and Rishi Raj Singh Chundawat                                                                                                  | 2452     | 2458 |
| 309    | EFFECT OF IRON AND ZINC AGRONOMIC BIOFORTIFICATION ON GROWTH AND YIELD OF MUNGBEAN ( <i>Vigna radiata</i> L. Wilczek) VARIETIES IN SEMI-ARID REGION OF RAJASTHAN                                                   | Deepika Yadav, Shailendra Singh, L.R. Yadav, A.C. Shivran, S.S. Yadav, Sunita Gupta, Junaid Akhtar and Deepak Gupta                                                                   | 2459     | 2465 |
| 310    | EFFECT OF DIFFERENT CULTURE MEDIA ON MYCELIAL GROWTH, CULTURAL CHARACTERISTICS AND SPORULATION OF <i>Colletotrichum lindemuthianum</i> (Sacc. & Magn.), CAUSING ANTHRACNOSE OF MUNGBEAN ( <i>Vigna radiata</i> L.) | Pinki Sharma, Shailesh Godika, S.K. Goyal, S.L. Sharma, Akhtar Husain, G.K. Mittal, R.P. Ghasolia, Astha Sharma and R. L. Sharma                                                      | 2466     | 2470 |
| 311    | COMBINING ABILITY AND GENE ACTION IN BARLEY ( <i>Hordeum vulgare</i> L.) FOR SEEDLING CHARACTERS                                                                                                                   | Suman Choudhary, D.K. Gothwal, Manohar Ram, G.K. Mittal, D.K. Jajoria and B. L. Kakraliya                                                                                             | 2471     | 2475 |
| 312    | CORRELATION AND PATH COEFFICIENT ANALYSIS OF GROWTH AND FLOWERING TRAITS ASSOCIATED WITH FLOWERING PERFORMANCE IN ADENIUM ( <i>Adenium obesum</i> Forssk. Roem. & Schult.)                                         | K.S. Solanki, K.M. Karetha, C.S. Radadiya, L.J. Raval and S.B. Chaudhari                                                                                                              | 2476     | 2479 |
| 313    | BIOLOGICAL CONTROL STRATEGIES FOR ALMOND PESTS: GLOBAL PERSPECTIVES AND CHALLENGES                                                                                                                                 | Sahil Ahmad Dar, Pawar Shubham Tarasing, Kamlesh Bali, Kuldeep Srivastava and Mudasar Gani                                                                                            | 2480     | 2487 |
| 314    | HEAVY METAL ASSESSMENT IN SOIL OF AMBAGARH CHOWKI REGION, CHHATTISGARH, INDIA                                                                                                                                      | Jagannath Prasad Suryawanshi, Pankaj Kumar, Gayatri Devi Biswal and Chandresh                                                                                                         | 2488     | 2492 |
| 315    | THE GLOBAL SOIL HEALTH CRISIS: IMPLICATIONS FOR SUSTAINABLE AGRONOMY AND HORTICULTURE UNDER CLIMATE CHANGE                                                                                                         | Ram Lakhan Soni, Rini Labanya, Mahima, Harish Shenoy, Nitin Singh, Sanchita Roy, Sumana Balo and Vishal Vijayvargiya                                                                  | 2493     | 2503 |
| 316    | EFFECT OF BIOFERTILIZERS AND ARBUSCULAR MYCORRHIZAL FUNGI ON YIELD ATTRIBUTING TRAITS OF FRENCH BEAN ( <i>Phaseolus vulgaris</i> L.)                                                                               | Tanmay Jagtap, Shipra Singh Parmar, Pushpendra Kumar, Ranjith Reddy, Divya Pandey, Dashrath Bhati and Satish Kumar Sharma                                                             | 2504     | 2511 |
| 317    | GENETIC VARIABILITY FOR YIELD AND ASSOCIATED TRAITS IN BRINJAL ( <i>Solanum melongena</i> L.)                                                                                                                      | Nirupam Bharti, Shipra Singh Parmar, Lal Krishna Vishwnathan, Divya Pandey, Rahul Gurjar, and Pushpendra Kumar                                                                        | 2512     | 2522 |
| 318    | INFLUENCE OF RIPLENE-6 AND COLD CHAMBER STORAGE ON RIPENING BEHAVIOUR AND QUALITY ATTRIBUTES OF BANANA FRUITS                                                                                                      | Pravin Dalavi, Quraazah Akeemu Amin, Towseef A. Wani, Shahnaz Parveen, Riddheshwar Shinde, Dnyaneshwar Ingole, Karthikeyan P., Anirudh Gupta, Venkateshwaran K. and Wajahat Hamid Dar | 2523     | 2533 |
| 319    | ESTIMATION OF GENETIC VARIABILITY, CHARACTER ASSOCIATION AND PATH ANALYSIS FOR YIELD AND ITS RELATED TRAITS IN SESAME MUTANTS ( <i>Sesamum indicum</i> L.)                                                         | Lavanya H. M., Anisa M. Nimbal, Parameshwarappa S. G., Prabhavathi N. Rao, Malavika M. Kirankumar Karikatti and Arman Syed                                                            | 2534     | 2539 |
| 320    | ROOTED IN ECOLOGY, DRIVEN BY ECONOMICS: A REVIEW OF NATURAL FARMING IN GUJARAT'S MAJOR CROP ROTATIONS                                                                                                              | Ranna A. Tirgar and Vishkha. D. Chaudhari                                                                                                                                             | 2540     | 2545 |
| 321    | IMPROVING GROWTH AND YIELD OF KHARIF SORGHUM ( <i>Sorghum bicolor</i> L. Moench) WITH NANO NITROGEN FERTILISATION AND MOISTURE CONSERVATION PRACTICES                                                              | Shiv Lakhan, Kaushal Kumar, Santram and Vikas Singh                                                                                                                                   | 2546     | 2555 |
| 322    | MEDICINALLY AND ECOLOGICALLY IMPORTANT SPECIES OF LAMIACEAE IN INDIA                                                                                                                                               | Jyoti Chauhan, Arti Khanduri, Rekha Maggirwar, Shikha Thakur, Sanjeet Kumar and Saraswati Majhi                                                                                       | 2556     | 2560 |
| 323    | VALORIZATION OF SPENT MUSHROOM SUBSTRATE FOR SUSTAINABLE AGRICULTURE AND ALLIED SECTORS                                                                                                                            | Aparna T. P., Poornima Yadav P. I., Sheeja K. Raj, Shalini Pillai P. and Anuranj P.R.C.                                                                                               | 2561     | 2568 |
| 324    | EFFECT OF GUAVA LEAF EXTRACT ( <i>Psidium guajava</i> )                                                                                                                                                            | Aditya Chandravanshi, Kailash H.                                                                                                                                                      | 2569     | 2576 |



| S. No. | TITLE                                                                                                                                                                                                         | AUTHOR                                                                                                                                                                                                                                     | PAGE NO. |      |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|
|        | AS A FEED ADDITIVE ON GROWTH PERFORMANCE, FEED UTILIZATION AND SURVIVAL OF <i>Labeo catla</i>                                                                                                                 | Vadher, Hariom Bohare, Worssem Mung, Viral D. Nenuji and Afrith M.                                                                                                                                                                         |          |      |
| 325    | VARIETAL RESPONSE OF DIFFERENT CULTIVARS AGAINST TWO-SPOTTED RED SPIDER MITES ( <i>Tetranychus urticae</i> ) INFESTING OKRA                                                                                   | T.D. Rakholiya, K.P. Baraiya, K.K. Kanzaria and J.M. Thumar                                                                                                                                                                                | 2577     | 2581 |
| 326    | EFFECT OF PACLOBUTRAZOL AND CHEMICALS ON MORPHOLOGICAL CHARACTERISTICS IN MANGO CV. KESAR                                                                                                                     | P.A. Sasane, G.M. Waghmare, R.V. Nainwad, B.M. Kalalbandi, H.V. Kalpande, S.S. More and P. Akhilasrinidhi                                                                                                                                  | 2582     | 2590 |
| 327    | PERFORMANCE OF PSB AND PHOSPHORUS LEVELS ON GROWTH, YIELD AND PROFITABILITY OF POTATO ( <i>Solanum tuberosum</i> L.)                                                                                          | Sravani Budiga, Pradeep Rajput, Shravan Kumar Maurya, Sanket Jaideo Wankhade and Abin Anilkumar K.E.                                                                                                                                       | 2591     | 2595 |
| 328    | AN ANGIOSPERMS CHECK LIST OF LATERITIC PLATEAU OF GOREGUDDA FOREST, KUMTA TALUK, UTTARA KANNADA DISTRICT, KARNATAKA STATE, INDIA                                                                              | Vanaja G. Patgar and K. Kotresha                                                                                                                                                                                                           | 2596     | 2614 |
| 329    | SMART BIOACTIVE COATING FOR SHELF- LIFE EXTENSION AND QUALITY IMPROVEMENT OF PEAR ( <i>Pyrus communis</i> L.) CV. BAGGUGOSHA                                                                                  | Shristi Rai, Arvind Kumar, Govind Vishwakarma, Kumari Yashmi Yadav, Prasoon Kumar Rai, Sachin Kumar Singh, Shubham Yadav, Tarun Kumar, Dharmendra Kumar, Atul Kumar Rawat, Sujeet Singh, Harsh Kansal, Dushyant Kumar and Pushpendra Kumar | 2615     | 2622 |
| 330    | BIO-EFFICACY OF DIFFERENT DOSES OF CASTOR OIL AS SEED PROTECTANTS AGAINST LESSER GRAIN BORER, <i>Rhyzopertha dominica</i> (Fab.) INFESTING STORED WHEAT                                                       | Mihir B. Chaudhari and Jyoti G. Dulera                                                                                                                                                                                                     | 2623     | 2629 |
| 331    | PRINCIPAL COMPONENT ANALYSIS FOR YIELD, YIELD CONTRIBUTING AND NUTRITIONAL TRAITS IN INBRED LINES OF PEARL MILLET ( <i>Pennisetum glaucum</i> L.)                                                             | P. Lakshmi Jyothika, N. Sabitha, L. Madhavilatha and G. Mohan Naidu                                                                                                                                                                        | 2630     | 2633 |
| 332    | PREVALENCE AND MOLECULAR CHARACTERISATION OF <i>Neoscytalidium</i> Spp. ASSOCIATED WITH STEM CANCER DISEASE OF DRAGON FRUIT IN CENTRAL KERALA                                                                 | Janaka Datta Reddy K., Rashmi C.R., Reshmy Vijayaraghavan, Ayisha R., Anju. C. and Aswini A.                                                                                                                                               | 2634     | 2642 |
| 333    | IMPACT OF DIFFERENT TYPES OF PACKAGING BAGS AGAINST CIGARETTE BEETLE, <i>Lasioderma serricorne</i> (FABRICIUS), INFESTING FENNEL SEEDS                                                                        | Patel A.J. and Dand J.J.                                                                                                                                                                                                                   | 2643     | 2648 |
| 334    | SOIL-SITE SUITABILITY EVALUATION FOR MAJOR HORTICULTURAL CROPS IN THE MADAPUR SUB-WATERSHED OF KARNATAKA, INDIA, USING REMOTE SENSING AND GIS                                                                 | Mahalaxmi Shrishail Devarnavadgi, S.S. Gundlur, B. R. Jagadeesh, V.B. Kuligod, Milind P. Potdar and M. S. Shirahatti                                                                                                                       | 2649     | 2665 |
| 335    | COMBINING ABILITY ANALYSIS IN FORAGE SORGHUM ( <i>Sorghum Bicolor</i> L. Moench)                                                                                                                              | Sukhjot Singh, Hemlata Sharma, Rajendra Babu Dubey, Amit Dadheech Devendra Jain, Pokhar Rawal and G.S. Mhasal                                                                                                                              | 2666     | 2670 |
| 336    | HAYMAN'S DIALLEL ANALYSIS FOR YIELD AND ATTRIBUTING TRAITS IN SESAME ( <i>Sesamum indicum</i> L.)                                                                                                             | Sarla Goliya, Ram Kunwar, Shailesh Marker, G.K. Mittal, A.C. Shivran and K.K. Sharma                                                                                                                                                       | 2671     | 2682 |
| 337    | STUDIES ON THE INFLUENCE OF GROWTH REGULATORS AND MICRONUTRIENTS ON GROWTH AND YIELD OF CUSTARD APPLE ( <i>Annona squamosa</i> L.) CV. BALANAGAR                                                              | Aishwarya A., Anand G. Nanjappanavar, Kulpati Hipparagi, Sanjeevreddi Gurubasappa Reddi, Mallikarjun Awati and Viresh Mallayya Hiremath                                                                                                    | 2683     | 2690 |
| 338    | INCOME, EMPLOYMENT AND CONSUMPTION EXPENDITURE OF TRIBALS IN MELGHAT REGION OF MAHARASHTRA INDIA                                                                                                              | Monal Takote, Balakdas Ganvir and Vanita Khobarkar                                                                                                                                                                                         | 2691     | 2697 |
| 339    | CORRELATION AND REGRESSION ANALYSIS OF YIELD ATTRIBUTES IN RICE ( <i>Oryza sativa</i> L.) AND LENTIL ( <i>Lens culinaris</i> Medik.) UNDER PHOSPHORUS AND ZINC FERTILIZATION IN A RICE-LENTIL CROPPING SYSTEM | Tshering Tamang, S. B. Goswami, Pravachan Chettri and Rohan Sharma                                                                                                                                                                         | 2698     | 2702 |
| 340    | ECONOMIC ANALYSIS OF DATE PALM SAP AND JAGGERY PRODUCTION IN NADIA DISTRICT OF WEST BENGAL INDIA                                                                                                              | Soumyadeep Ghosh, Debarchana Bhowal, Md. H. Ali and Chinmoy Mandal                                                                                                                                                                         | 2703     | 2707 |
| 341    | EVALUATION OF CHEMICAL INSECTICIDES AGAINST CITRUS BUTTERFLY ON ACID LIME                                                                                                                                     | Hemangi Chaudhari, Sushma Deb, Anjali Patel and Jyoti Sharma                                                                                                                                                                               | 2708     | 2713 |
| 342    | BIOACTIVE PHYTOCHEMICALS AND ANTIOXIDANT POTENTIAL OF <i>Lycopodiella cernua</i> : AN UNDEREXPLORED CLUBMOSS                                                                                                  | Satyabrata Acharya, Rajkumari Supriya Devi, Sumitra Jethy, Sanjeet Kumar and Sohan Lal                                                                                                                                                     | 2714     | 2718 |
| 343    | PHYTOCHEMICAL PROFILING AND EVALUATION ANTIBACTERIAL ACTIVITY OF <i>Osyris lanceolata</i>                                                                                                                     | Rajkumari Supriya Devi, Sumitra Jethy, Sanjeet Kumar, Bhagwati Prashad Sharma and Rani Runam                                                                                                                                               | 2719     | 2723 |

| S. No. | TITLE                                                                                                                                                                               | AUTHOR                                                                                                                                                      | PAGE NO. |      |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|
| 344    | ENHANCING FOOD SECURITY THROUGH RESILIENT BANANA CROP MANAGEMENT STRATEGIES: INSIGHTS FROM FARM PRACTICES IN NANJANGUD TALUK MYSORE DISTRICT KARNATAKA INDIA                        | B.R. Jagadeesh, T. Bhagyalakshmi, P. Praveen, R. Suma and P. S. Fathima                                                                                     | 2724     | 2732 |
| 345    | SOCIAL NETWORK ANALYSIS OF AGRI-MARKET LINKAGES DEVELOPED BY FPOS IN HARYANA INDIA                                                                                                  | Gurpreet Singh, Rati Mukteshwar and Anil Kr. Rohilla                                                                                                        | 2733     | 2738 |
| 346    | BIO-EFFICACY OF <i>Bacillus thuringiensis</i> BERLINER WITH INSECTICIDES AGAINST FALL ARMYWORM, <i>Spodoptera frugiperda</i> (J. E. SMITH) UNDER LABORATORY CONDITIONS              | Sumedha, Shailesh D. Patel and Suresh Desai                                                                                                                 | 2739     | 2744 |
| 347    | RESPONSE OF INTEGRATED NUTRIENT MANAGEMENT ON SOIL PROPERTIES AND GROWTH OF CHINA ASTER ( <i>Callistephus chinensis</i> L. Nees) CV. ARKA ARCHANA                                   | Keval Desai, D. D. Parekh , U. C. Chaudhari , Chaudhary H. P.                                                                                               | 2745     | 2750 |
| 348    | EFFECT OF GA <sub>3</sub> , THIOUREA AND POTASSIUM NITRATE ON FLOWERING SYNCHRONY OF WALNUT ( <i>Juglans regia</i> L.)                                                              | Saba Qayoom Khan', Munib Ur Rehman, Khalid Mushtaq, Sajad Majeed Zargar, Zaffar Mehdi, Shabeena Majeed, Javid Iqbal Mir, Mir Uzma Parveze and Ishrat Rashid | 2751     | 2760 |
| 349    | BREEDING STRATEGIES FOR BIOTIC AND ABIOTIC STRESS RESISTANCE IN TURMERIC                                                                                                            | Pujasri Durga Bhavani R., K. Giridhar, B. Tanuja Priya, Smt. T. Vijaya Lakshmi, M. Kalpana, K. Uma Krishna, Ch. Pallavi Sri Padma and P. Pavan Srinivas     | 2761     | 2769 |
| 350    | INFLUENCE OF PRE AND POST EMERGENCE HERBICIDES ON CROP GROWTH, DEVELOPMENT AND YIELD ATTRIBUTES OF WHEAT ( <i>Triticum aestivum</i> L.)                                             | Janak Yadav, Amit Dhankar, Shivani Sharma, Ruchika and Muskan                                                                                               | 2770     | 2775 |
| 351    | INFLUENCE OF ULTRASONIC BATH PRETREATMENTS ON THE QUALITY CHARACTERISTICS OF <i>Epinephelus diacanthus</i> FILLETS STORED UNDER REFRIGERATED CONDITIONS                             | Riddhi gamit, B.G. Chudasama, D.V. Bhola, Roshni R. Gamit and Patel Ashish                                                                                  | 2776     | 2782 |
| 352    | ASSESSMENT OF BIOCHEMICAL TRAITS IN ORANGE FLESHED SWEET POTATO (OFSP) GENOTYPES                                                                                                    | Dokka Vara Vinod , Sheriful Alam , Sanjib Sharma , Nagendra Sarma Barua and Samindra Baishya                                                                | 2783     | 2787 |
| 353    | ASSESSMENT OF VARIABILITY AND TRAITS ASSOCIATION IN RICE ( <i>Oryza sativa</i> L.) GENOTYPES THROUGH CORRELATION AND PRINCIPAL COMPONENT ANALYSIS                                   | Pradyum Maurya, Pallavi Dwivedi, Ruchi, Chirag, Anurag and Mohit Kumar                                                                                      | 2788     | 2794 |
| 354    | PANGENOMICS- AN EMERGING FIELD IN CROP IMPROVEMENT: A REVIEW                                                                                                                        | Anmol Sharma                                                                                                                                                | 2795     | 2799 |
| 355    | IMPACT OF SOWING METHODS AND NITROGEN MANAGEMENT ON GROWTH, YIELD AND ECONOMICS OF WHEAT                                                                                            | Chirag, Priyanka Kumari and Ravinder Kumar                                                                                                                  | 2800     | 2805 |
| 356    | EFFECT OF PLANT GROWTH REGULATORS ON PHYSICAL PARAMETERS OF TARO ( <i>Colocasia esculenta</i> Var. <i>antiquorum</i> L. schott.)                                                    | Navin Kumar Ranjan and S. Sengupta                                                                                                                          | 2806     | 2812 |
| 357    | NEXT GENERATION NUTRIENT MANAGEMENT: A REVIEW OF NANO SCALE SMART FORMULATIONS IN AGRICULTURE                                                                                       | B.G. Mhaske, N.M. Maske, and M.A. Ajabe                                                                                                                     | 2813     | 2819 |
| 358    | EFFECT OF ORANGE ( <i>Citrus sinensis</i> ) PEEL POWDER SUPPLEMENTATION ON GROWTH, SURVIVAL AND IMMUNE RESPONSE AGAINST <i>Aeromonas hydrophila</i> IN ROHU ( <i>Labeo rohita</i> ) | Chauhan Ishaben S., K.V. Tank, V.C. Bajaniya and Tandel Saili M.                                                                                            | 2820     | 2824 |
| 359    | DIETARY SUPPLEMENTATION OF <i>Sargassum johnsonii</i> ENHANCES DISEASE RESISTANCE AGAINST <i>Aeromonas hydrophila</i> IN <i>Labeo rohita</i> FRY                                    | Afrith M., K.V. Tank, V.C. Bajaniya, N.H. Joshi, Asif I. Bhadarka, Hariom Bohare, Alwinpeter M., Subash M., Srinath E. and Aditya Chandravanshi             | 2825     | 2828 |
| 360    | GIS-DRIVEN AGRICULTURE: REVOLUTIONIZING NATURAL FARMING PRACTICES: A REVIEW                                                                                                         | Amina Khatun, Himadri Shekhar Datta and Venkataramana Sridhar                                                                                               | 2829     | 2841 |
| 361    | GADC 4 (WAGAD RESHAM): FIRST COTTON ( <i>Gossypium herbaceum</i> ) VARIETY WITH SUPERIOR FIBRE CHARACTERISTICS                                                                      | Patidar D.R., Patel A.M., Suthar K.J., Padheriya D.R., Patel R.C. and Bavaliya T.R.                                                                         | 2842     | 2849 |
| 362    | BIOFUMIGATION: AN ECO-FRIENDLY APPROACH FOR THE MANAGEMENT OF WILT DISEASE OF TOMATO CAUSED BY <i>Fusarium oxysporum</i> F. SP. <i>Lycopersici</i>                                  | Lakhimi Saikia, Budha Bora, Nirmal Mazumder, Ranima Mishra, Pranamika Sharma, Hemendra Choudhury and Nayanmoni Buragohain                                   | 2852     | 2857 |
| 363    | COMPARATIVE THERAPEUTIC EFFICACY OF VINCISTINE SULPHATE, VINCISTINE-IVERMECTIN COMBINATION AND <i>Thuja occidentalis</i> FOR MANAGEMENT OF CANINE TRANSMISSIBLE VENEREAL TUMOUR     | Akanksha Pandey, Madhu Shivhare, Nidhi Shrivastava, Jagmohan Rajput, Jyotsana Shakkarpude and Gayatri Dewangan                                              | 2858     | 2864 |

| S. No. | TITLE                                                                                                                                                                      | AUTHOR                                                                                                                                   | PAGE NO. |      |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------|------|
| 364    | PRINCIPAL COMPONENT AND CLUSTER ANALYSIS FOR GENETIC DIVERSITY ASSESSMENT IN SUMMER SQUASH ( <i>Cucurbita pepo</i> L.)                                                     | Mehnaz Rashid, Asima Amin, Gowhar Ali, Nageena Nazir, Saima Masood, Durrani Hassan Tinkie, Snober Aftab and Uzma Maqbool                 | 2865     | 2873 |
| 365    | GROWTH, INSTABILITY AND DIRECTION OF INDIA'S CASHEW EXPORTS: A MARKOV CHAIN ANALYSIS                                                                                       | Nidhishree R., Nagulraja R., Shravani M., Srinith E., Sundareswaran A., Yakeshwaran S., Thirumarudhan L. T., Ravikumar R. and Kalidas K. | 2874     | 2879 |
| 366    | STABILITY PERFORMANCE OF INDIAN MUSTARD ( <i>Brassica juncea</i> L. CZERN. & COSS.) UNDER MULTI-ENVIRONMENT CONDITIONS                                                     | Dharmendr, Hemlata Sharma, Amit Dadheech, Shreedhar Singh Lakhawat, Vinod Saharan and Sukhjot Singh                                      | 2880     | 2884 |
| 367    | PRODUCTIVITY OF CLUSTERBEAN ( <i>Cyamopsis tetragonoloba</i> L. TAUBERT) AS INFLUENCED BY MOISTURE CONSERVATION PRACTICES AND SEED HARDENING IN SEMI-ARID CONDITIONS       | Mamta Yadav, B.L. Dudwal, A.C. Shivran, M.K. Sharma, Rajhans Verma, M.K. Sharma, S.S. Yadav, Roshan Choudhary and Sangeeta Choudhary     | 2885     | 2892 |
| 368    | INFLUENCE OF DEFICIT IRRIGATION LEVELS AND FOLIAR SPRAY OF OSMOREGULANTS ON GROWTH, YIELD, WATER PRODUCTIVITY AND ECONOMICS OF RABI MAIZE                                  | V. Deepika, P.S. Pattar, S.R. Salakinkoppa, G. Somanagouda, B.R. Jagadeesh and H.Y. Patil                                                | 2893     | 2900 |
| 369    | EFFECT OF POTASSIUM HUMATE AND CHEMICAL FERTILIZERS ON YIELD AND YIELD ATTRIBUTES OF GROUNDNUT ( <i>Arachis hypogaea</i> L.)                                               | Suresh Kumar Fagodia Rajhans Verma, K.K. Sharma, B.L. Dudwal, M.K. Sharma, L.N. Bairwa, Chiranjeevi Kumawat and Manoj                    | 2901     | 2906 |
| 370    | EFFECT OF MEDIA, TEMPERATURE AND RELATIVE HUMIDITY ON THE MYCELIAL GROWTH OF <i>Claviceps fusiformis</i> CAUSING ERGOT DISEASE IN PEARL MILLET                             | Manisha Khichar, S.K. Goyal, Shailesh Godika, R.P. Ghasolia, R.K. Meena, G.K. Mittal and Shailendra Singh                                | 2907     | 2911 |
| 371    | BIO-EFFICACY OF PRE- AND POST-EMERGENCE HERBICIDES AND THEIR COMBINATIONS AGAINST COMPLEX WEED FLORA OF KHARIF MAIZE                                                       | Devart Thakur, Amit Dhankar, Sonali Sharma, Ruchika and Janak Yadav                                                                      | 2912     | 2918 |
| 372    | INTEGRATIVE MORPHO-PHYSIOLOGICAL PROFILING AND NODULATION EFFICIENCY ASSESSMENT IN ELITE CHICKPEA ( <i>Cicer arietinum</i> L.) LINES                                       | Deshie Choubey, Yogendra Singh, Chanchal Bhargava, Amit Kumar, Ponnavaada Abhishek and Anita Babbar                                      | 2919     | 2928 |
| 373    | BIOTECHNOLOGY FOR MANAGEMENT OF BIOTIC AND ABIOTIC STRESS IN SOYBEAN: A REVIEW                                                                                             | Prashant Gigaulia, Yogendra Singh, Pavan Chouksey, Leela Bhavani Kolli, Riya Mishra, Shivani Jha and Devendra Vasht                      | 2929     | 2943 |
| 374    | COMBINING ABILITY ANALYSIS IN WHEAT ( <i>Triticum aestivum</i> L.) USING LINE X TESTER MATING DESIGN UNDER MOISTURE STRESS CONDITIONS                                      | Heema Baraily, Ravi Sharma, Ritika Singh, Kritika, Prikshit Gupta, Anupam Kumar and Sandeep Kumar                                        | 2944     | 2951 |
| 375    | EFFECT OF INTEGRATED NUTRIENT MANAGEMENT ON GROWTH CHARACTERISTICS OF CUCUMBER ( <i>Cucumis sativus</i> L.) UNDER NATURALLY VENTILATED POLYHOUSE                           | J. Pranay Sundar, J.S. Sudha Rani, K. Sridhar and K. Chaitanya                                                                           | 2952     | 2958 |
| 376    | IMPACT OF NANO-PRIMED GREEN-SYNTHESIZED POTASSIUM NANOPARTICLES (GSKNPs) ON BIOCHEMICAL PARAMETERS UNDER DIFFERENT TEMPERATURE REGIMES IN CHICKPEA                         | Rohitha K., Bharathi Y., Jagan Mohan Roa P., Shilpa Chakra Ch., Sujatha P. and Pushpavalli S.N.C.V.L.                                    | 2959     | 2964 |
| 377    | EFFECT OF BIOFERTILIZERS AND GROWING MEDIA ON SURVIVABILITY OF AIR LAYERS OF GUAVA ( <i>Psidium guajava</i> L.)                                                            | Jayeshkumar M. Chaudhary, M. V. Patel, Vrushti S. Tandel and Mohit R. Dholariya                                                          | 2965     | 2969 |
| 378    | IMPACT OF PACLOBUTRAZOL AND CYCOCEL ON SEED SHATTERING AND PRODUCTIVITY IN SUMMER SESAME ( <i>Sesamum indicum</i> L.) IN THE LOWER GANGETIC ALLUVIAL ZONE OF EASTERN INDIA | Hasim Kamal Mallick, Shaan Sarkar and Rambilash Mallick                                                                                  | 2970     | 2981 |
| 379    | OPTIMIZATION OF ADDITIVE-BASED LIQUID INOCULANT FORMULATIONS FOR IMPROVED SURVIVAL AND STORAGE STABILITY OF <i>Pseudomonas fluorescens</i>                                 | R.J. Choudhari, R.M. Gade, S. S. Mane, M.V. Totawar, S.S. Bramhnkar, Y.V. Ingle, A.N. Paslawar and S.T. Ingle, V. Wargane and P. Atram   | 2982     | 2990 |
| 380    | ECO-FRIENDLY FORMULATION AND ANTI-OBESITY ACTIVITY OF LEMONGRASS ( <i>Cymbopogon citratus</i> ) AND STEVIA ( <i>Stevia rebaudiana</i> ) HERBAL DIP TEA                     | R. Nandhikumar, S. Sandhiya, M. S. Subashree, K. Jeevana Visithra, Tamizharasi T. and C. Shreemathi                                      | 2991     | 2997 |
| 381    | EFFECT OF INERT MINERALS AND BOTANICALS ON THE GROWTH AND DEVELOPMENT OF <i>Callosobruchus maculatus</i> (FABRICIUS) IN STORED BLACK GRAM ( <i>Vigna mungo</i> L.)         | Maharaj Satwika, Tirumalasetty Madhumathi, Bhimineni Ratna Kumari and V. Prasanna Kumari                                                 | 2998     | 3001 |
| 382    | RESPONSE OF FRENCH BEAN ( <i>Phaseolus vulgaris</i> L.) TO ORGANIC MANURE REGIMES: EFFECTS ON GROWTH, YIELD COMPONENTS, NUTRIENT CONTENT AND UPTAKE                        | Sagar Balmiki, Manoj Dutta, Hapemo Ngullie K., Sewak Ram and Akshay Ujjwal                                                               | 3002     | 3009 |
| 383    | IMMUNOSTIMULATORY EFFECT OF <i>Laurus nobilis</i> LEAF POWDER ON <i>Labeo catla</i> AND ITS RESISTANCE                                                                     | Worsem Mung, P. V. Parmar, Aditya Chandravanshi, Ajudiya Anuj Pravinbhai                                                                 | 3010     | 3016 |

| S. No. | TITLE                                                                                                                                                                                                         | AUTHOR                                                                                                                | PAGE NO. |      |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------|------|
|        | AGAINST <i>Aeromonas hydrophila</i>                                                                                                                                                                           | and Thatikonda Navya Sri                                                                                              |          |      |
| 384    | PRODUCTIVITY AND PROFITABILITY OF IMPROVED GROUNDNUT VARIETY KADIRI LEPAKSHI (K-1812) UNDER RAINFED ALFISOLS OF ANDHRA PRADESH INDIA                                                                          | C. Prathyusha, D. V. Srinivasusulu, S. Ramalakshmi Devi and V. Shilpakala                                             | 3017     | 3022 |
| 385    | VARIABILITY PARAMETERS STUDIES FOR GRAIN YIELD AND YIELD-CONTRIBUTING TRAITS IN PEARL MILLET ( <i>Pennisetum glaucum</i> L.R. Br.)                                                                            | Rajdeep Mundiyyara, Jaishree Tanwar, Dan Singh Jakhar, Ishwar Singh, Sheetal Raj and Giradhari Lal Yadav              | 3023     | 3027 |
| 386    | AVOIDABLE YIELD LOSS DUE TO MAJOR INSECT PESTS IN BLACKGRAM                                                                                                                                                   | B. Uma, O. Shaila, C. Narendra Reddy and V. Divya Rani                                                                | 3028     | 3036 |
| 387    | MOLECULAR DETECTION OF THE <i>mecA</i> GENE AND ANTIMICROBIAL RESISTANCE PATTERN OF METHICILLIN-RESISTANT <i>Staphylococcus aureus</i> ISOLATED FROM RESPIRATORY SAMPLES                                      | Ali M. Eghnaiya and Harison Masih                                                                                     | 3037     | 3046 |
| 388    | PERFORMANCE ANALYSIS, EVALUATION METHODOLOGIES OF ADVANCED CLONES OF POTATO ( <i>Solanum tuberosum</i> L.) FOR YIELD AND QUALITY PARAMETERS                                                                   | Sarala Yadav, S.K. Luthra, Vinod Kumar, Jagdev Sharma and Som Dutt                                                    | 3047     | 3054 |
| 389    | INTEGRATED APPLICATION OF JEEVAMRUTHA AND BOTANICAL LIQUID ORGANIC MANURES ENHANCES GROWTH, YIELD, SOIL HEALTH AND ECONOMIC RETURNS OF FOXTAIL MILLET ( <i>Setaria italica</i> L.) UNDER SEMI-ARID CONDITIONS | Pradeep S., Santhosh U.N., Shilpashree Y.P., Divya M., and Srikanth C.D.                                              | 3055     | 3062 |
| 390    | SEASONAL INCIDENCE OF APHID, <i>Acyrtosiphon pisum</i> (HARRIS) OF FENUGREEK AND THEIR CORRELATION WITH BIOTIC AND ABIOTIC FACTORS                                                                            | Maya Choudhary, B. S. Mitharwal and Mukesh Jakhar                                                                     | 3063     | 3067 |
| 391    | INFLUENCE OF POTASSIUM SCHOENITE ON GROWTH, YIELD AND ECONOMICS OF KHARIF SWEET CORN IN ENTISOL                                                                                                               | Krishan Kumar Sharma, V.R. Gaikwad, P.N. Gajbhiye, Rashmi Jakhar and S.R. Karad                                       | 3068     | 3073 |
| 392    | ASSESSMENT OF MUTAGENIC EFFICIENCY AND EFFECTIVENESS IN SESAME ( <i>Sesamum indium</i> L.) VARIETIES AKT-64 AND N-8 UNDER GAMMA IRRADIATION                                                                   | Pallavi R. Sasane, Aditi R. Rajane, Vividha M. Sirsat, E.R. Vaidya and S.S. Bhurghate                                 | 3074     | 3079 |
| 393    | EFFECT OF ORGANIC SEED TREATMENTS AND GROWING MEDIA ON GERMINATION AND SEEDLING VIGOUR OF KARONDA ( <i>Carissa carandas</i> L.)                                                                               | Ashutosh Dwivedi, Rajnee Sharma, Reena Nair, Priyanshi Gupta, Aishwaryaditya Singh and Rupali Koshti                  | 3080     | 3085 |
| 394    | ADVANCES IN COTTON FIBER QUALITY IMPROVEMENT: GENETIC AND AGRONOMIC PERSPECTIVES: A REVIEW                                                                                                                    | Nilotpal Das, Pratistha Mitra, Argha Mandal, Gururaj Dasannavar, Paritosh Nath, Anupurba Saha and Hasim Kamal Mallick | 3086     | 3096 |
| 395    | COMPARATIVE PERFORMANCE OF ADVANCED REGRESSION TECHNIQUES FOR CHICKPEA YIELD PREDICTION UNDER DIVERSE AGRO-CLIMATIC CONDITIONS                                                                                | Sunil Kumar, Manoj Kumar, Anurag and Rani Sarita                                                                      | 3097     | 3104 |
| 396    | UNLOCKING MORPHOLOGICAL DIVERSITY IN SUNFLOWER ( <i>Helianthus annuus</i> L.) INTERSPECIFIC DERIVATIVES THROUGH DUS PROFILING                                                                                 | K. Sowjanya, E. Umarani, A. Saritha and S. Vanisri                                                                    | 3105     | 3114 |
| 397    | STUDIES ON GENETIC PURITY ASSESSMENT IN CASTOR ( <i>Ricinus communis</i> L.) GENOTYPES USING MORPHOLOGICAL, BIOCHEMICAL AND MOLECULAR MARKERS                                                                 | Ajay Kumar Rawat, S. D. Solanki and Treio Dkhar                                                                       | 3115     | 3127 |
| 398    | ASSESSMENT OF GAMMA IRRADIATION TREATMENTS FOR MANAGING <i>Sitophilus oryzae</i> (L.) IN PADDY SEEDS INTENDED FOR EXPORT                                                                                      | E. Sneha, A. Padmasri, C. Narendra Reddy and K. Lakshmi Prasanna                                                      | 3128     | 3134 |
| 399    | MOLECULAR SCREENING FOR Rf3 AND Rf4 GENES TO IDENTIFY FERTILITY RESTORER LINES IN ADVANCED SLENDER GRAIN RICE ( <i>Oryza sativa</i> L.)                                                                       | Boya Manikanta Naidu, P. Bindu Priya, Ch. Damodar Raju and S.N.C.V.L. Pushpavalli                                     | 3135     | 3143 |
| 400    | EFFECT OF ESTABLISHMENT METHODS AND SOLID AND LIQUID ORGANIC MANURES ON GROWTH OF BLACK RICE ( <i>Oryza sativa</i> L.)                                                                                        | Prateek Kumar, Biswarup Mehera, Amit Kumar, Shashank Singh and Saumya                                                 | 3144     | 3149 |
| 401    | EXPLORING GENETIC DIVERGENCE FOR YIELD AND YIELD-ASSOCIATED TRAITS IN WHITE FINGER MILLET USING PRINCIPAL COMPONENT ANALYSIS                                                                                  | Boddu Aruna, Ganapathy K.N., C.V. Sameer Kumar and Venkateswarlu Ronda                                                | 3150     | 3155 |
| 402    | SYNERGISTIC INFLUENCE OF NATURAL FARMING AND ORGANIC NUTRIENTS ON GROWTH AND YIELD PERFORMANCE OF LETTUCE ( <i>Lactuca sativa</i> L.) IN THE MID-HILLS OF HIMACHAL PRADESH INDIA                              | Lalita Naik, Manish Chauhan, Sandeep Kumar, Komal Sharma, Ravinder Kumar, Prem Chand Sharma and Taniya Walia          | 3156     | 3162 |
| 403    | GENETIC VARIABILITY STUDIES IN GENOTYPES OF GARDEN PEA ( <i>Pisum sativum</i> L.)                                                                                                                             | Taniya Walia, Sandeep Kumar, Manish Chauhan, Anupam Kumar and Lalita Naik                                             | 3163     | 3171 |
| 404    | EVALUATION OF GENETIC DIVERSITY AND YIELD-RELATED TRAITS IN RICE ( <i>Oryza sativa</i> L.)                                                                                                                    | Pradyum Maurya, Pallavi Dwivedi, Ruchi, Chirag, Anurag and Mohit Kumar                                                | 3172     | 3178 |

| S. No. | TITLE                                                                                                                                                                                            | AUTHOR                                                                                                                                | PAGE NO. |      |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------|------|
|        | GENOTYPES THROUGH PATH COEFFICIENT ANALYSIS AND MAHALANOBIS' D <sup>2</sup>                                                                                                                      |                                                                                                                                       |          |      |
| 405    | BIO EFFICACY OF INSECTICIDES AGAINST LEPIDOPTERAN PESTS AND THEIR IMPACT ON NATURAL ENEMIES IN THE MAIZE CROP                                                                                    | Manish Gadekar, Subhashree Patnaik, S. B. Das and Kailash Choukikar                                                                   | 3179     | 3190 |
| 406    | INFLUENCE OF PRE AND POST EMERGENCE HERBICIDES ON WEED DENSITY, WEED DRY WEIGHT, PERCENT WEED CONTROL, WEED CONTROL EFFICIENCY AND YIELD OF CROP IN CHICKPEA AND MUSTARD INTERCROPPING           | Muskan, Amit Dhankar, Abha Thakur and Janak Yadav                                                                                     | 3191     | 3197 |
| 407    | EFFECTS OF CROP RESIDUE AND NUTRIENT SOURCES (ORGANIC AND INORGANIC) ON SOIL PHYSICO-CHEMICAL PROPERTIES UNDER RICE - WHEAT CROPPING SYSTEM IN MOLLISOL OF THE TARAI REGION OF UTTARAKHAND INDIA | Anil Kumar, A.K. Pant, Jai Paul and A.K. Tyagi                                                                                        | 3198     | 3205 |
| 408    | ARBORICULTURE: INTEGRATED MANAGEMENT OF LANDSCAPING TREES, SHRUBS, CLIMBERS                                                                                                                      | E. Thilak, M. Raja Naik, T. Sumathi, N. Vinod Kumar, Jassica Keren Puli and G.S. Abdul Wazeed                                         | 3206     | 3212 |
| 409    | GLOBAL RESEARCH TRENDS IN GOOGLE EARTH ENGINE FOR AGRICULTURE AND IRRIGATION: A COMPREHENSIVE REVIEW AND BIBLIOMETRIC ANALYSIS                                                                   | Aishwarya Desai, Ajit Kumar Nayak, Prachi Jena, Jagdish Paul, N.M. Jeepa, Sachinkumar Nandgude, Sangita Shinde and Himalaya Ganachari | 3213     | 3222 |
| 410    | IMPACT OF PROTEIN HYDROLYSATE BIOSTIMULANTS ON THE GROWTH DYNAMICS AND PROFITABILITY OF <i>Solanum lycopersicum</i> L.                                                                           | Saraswati S. Sampaganvi, Akkamahadevi D. Agasimani and Santhosha H.M.                                                                 | 3223     | 3228 |
| 411    | OPTIMIZATION OF SEED RATE FOR ENHANCING SEED YIELD AND QUALITY IN SMALL SEEDED CHICKPEA ( <i>Cicer arietinum</i> L.)                                                                             | Bharath B.K., Basavaraja B., Anand, S.R., Venkappa P., Parashivamurthy, Siddaraju R. and Radha B.N.                                   | 3229     | 3238 |
| 412    | RHIZOME TO REMEDY: TURMERIC NUTRITIONAL COMPOSITION, VALUE ADDITION, PROCESSING AND HEALTH BENEFITS                                                                                              | Ch. Pallavi Sri Padma, B. Tanuja Priya, V. Sailaja, K. Giridhar, V. Sudha Vani and R. Pujasri Durga Bhavani                           | 3239     | 3250 |
| 413    | EFFECTS OF GRADED LEVELS OF FERTILIZERS AND IRRIGATION ON YIELD AND YIELD ATTRIBUTES OF WHEAT VARIETY DBW-187 IN RICE-WHEAT CROPPING SYSTEM IN JHARKHAND INDIA                                   | Archana Kumari, Ashok Kumar and Balram Yadav                                                                                          | 3251     | 3255 |
| 414    | ASSESSMENT OF GENETIC VARIABILITY IN PIGEONPEA                                                                                                                                                   | Kokila Chandrakar, Mayuri Sahu, Bhawana Sharma and Pooja Sahu                                                                         | 3256     | 3260 |
| 415    | RECENT ADVANCES IN EDIBLE COATING TECHNOLOGIES FOR POSTHARVEST PRESERVATION OF FRUITS AND VEGETABLES: A REVIEW                                                                                   | Riddheshwar Shinde, Minal Jadhav, Shahnaz Parveen, Quraazah Akeemu Amin, Pravin Dalavi and Towseef A. Wani                            | 3261     | 3276 |
| 416    | PHYTOCHEMICAL PROFILING AND ANTIMICROBIAL POTENTIAL OF <i>Campsis radicans</i> AND <i>Combretum indicum</i> EXTRACTS AGAINST UROPATHOGENIC BACTERIA ISOLATED FROM UTI PATIENTS                   | Diab Almagtuf Otman Tomin and Harison Masih                                                                                           | 3277     | 3286 |
| 417    | PSYCHOLOGICAL DETERMINANTS INFLUENCING CROP RESIDUE BURNING BEHAVIOUR AMONG FARMERS IN TELANGANA INDIA                                                                                           | K. Pravallika, Ch. Venu Gopala Reddy, B. Savitha, T. Lavanya and A. Meena                                                             | 3287     | 3298 |
| 418    | <i>In vitro</i> EFFICACY OF BOTANICALS, COW-BASED NATURAL PRODUCTS AND SOIL AMENDMENT AGAINST <i>Rhizoctonia solani</i> CAUSING BANDED LEAF AND SHEATH BLIGHT (BLSB) IN LITTLE MILLET            | Rellu Salome, Sunil Zacharia, T.S.S.K. Patro, Boda Praveen and M. Divya                                                               | 3299     | 3304 |
| 419    | ASSESSMENT OF AVAILABLE SECONDARY AND MICRONUTRIENTS IN ARECANUT ( <i>Areca catechu</i> L.) GROWING SOILS OF MALNAD REGION KARNATAKA INDIA                                                       | Reshma K., Sarvajna B. Salimath and Sudarshan Varma                                                                                   | 3305     | 3315 |
| 420    | EVALUATION OF PHYTOCHEMICAL CONSTITUENTS, ANTIOXIDANT AND ANTIMICROBIAL PROPERTIES OF <i>Gnetum edule</i>                                                                                        | Pramod Kumar Soni, Rajkumari Supriya Devi, Sanjeet Kumar, Banshidhar Behera and Surender Kumar                                        | 3316     | 3321 |
| 421    | SCREENING OF GREENGRAM ( <i>Vigna radiata</i> L.) GENOTYPES FOR RESISTANCE TO MAJOR SUCKING INSECT PESTS UNDER NATURAL FIELD CONDITIONS                                                          | M.J. Krishna Prakash, S.V.S. Gopala Swamy, T. Madhumathi and M. Sandhya                                                               | 3322     | 3326 |
| 422    | REACTION OF FENUGREEK GENOTYPES AGAINST <i>Rhizoctonia solani</i> , CAUSING ROOT ROT DISEASE                                                                                                     | G.L. Kumawat, S. Godika, R.P. Ghasolia, S.K. Goyal, G.K. Mittal and L.N. Bairwa                                                       | 3327     | 3332 |
| 423    | HARNESSING BIOFERTILIZERS FOR SUSTAINABLE FODDER PRODUCTION: A REVIEW                                                                                                                            | Aleena S., Sharu S.R., Gayathri G., Shalini Pillai P. and Chitra N.                                                                   | 3333     | 3339 |
| 424    | COMPARATIVE EVALUATION OF PHYSICOFUNCTIONAL PROPERTIES AND NUTRITIONAL VARIATION IN POPPED-SORGHUM GENOTYPES: A STUDY ON RED, YELLOW AND WHITE VARIETIES                                         | Ookanti Suma, B. Anila Kumari, Aparna Kuna and A. Vijaya Kumar                                                                        | 3340     | 3348 |

| S. No. | TITLE                                                                                                                                                                                  | AUTHOR                                                                                                                                         | PAGE NO. |      |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|
| 425    | EFFECT OF DIFFERENT SOWING DATES ON PRODUCTIVITY AND PROFITABILITY OF WHEAT ( <i>Triticum aestivum</i> L.)                                                                             | Lakshmi, Ranu Pathania, Aarzoo Gaggal, Aastha, Akriti, Gitesh Kumari, Nitin Bajya, Ankita Thakur, Shalini, Doli Katoch and Anshita Sharma      | 3349     | 3353 |
| 426    | BIOCHAR BOOST: UNLOCKING THE OPTIMUM PRIMING CONCENTRATION FOR CLUSTER BEAN SEEDS                                                                                                      | Varshini C. M., Sangeeta I. Macha, Ganigara, B. S., Lokesh K, Hemalatha K. J. and Basavaraj                                                    | 3354     | 3357 |
| 427    | GROWTH AND FLOWER YIELD AS INFLUENCED BY PRUNING DATES AND MICRONUTRIENT DOSES IN <i>Jasminum sambac</i> CV. CO.1 GUNDUMALLI                                                           | Reshma R., A.V. D. Dorajee Rao, T. Suseela, D.R. Salomi Suneetha and K. Umakrishna                                                             | 3358     | 3365 |
| 428    | EFFECT OF BIO COMPOST AND ORGANIC LIQUID FORMULATIONS ON SOIL FERTILITY, PRODUCTIVITY AND PHOSPHORUS AVAILABILITY IN GREEN GRAM ( <i>Vigna radiata</i> L.)                             | Marvaniya Kalindri S., Sonal Tripathi, Aditi Chauhan, Narendra Singh, Drashti Patel and Viral Patel                                            | 3366     | 3376 |
| 429    | SOCIO-ECONOMIC PROFILE AND CONSTRAINTS FACED BY COCONUT GROWERS IN SOUTH GOA DISTRICT OF GOA INDIA                                                                                     | Charan Kumar Jalaneela, Supriya, Ishita Omar, Nitin Maurya and Satyam Kumar                                                                    | 3377     | 3387 |
| 430    | TOWARDS SUSTAINABLE WEED MANAGEMENT IN DIRECT-SEEDED RICE: EFFECTS OF WEED MANAGEMENT STRATEGIES UNDER DIFFERENT WEED PRESSURE LEVELS                                                  | Koya Madhuri Mani, Ananda N., Nagender G., Umesh M. R., Gireesh C., Mahender Kumar R., Ramesh Y.M. and Mukesh Kumar Meena                      | 3388     | 3402 |
| 431    | IDENTIFICATION OF ELITE MAIZE ( <i>Zea mays</i> L.) GERMPLASM WITH RESISTANCE TO POST-FLOWERING STALK ROT THROUGH PHENOTYPIC FIELD EVALUATION                                          | G. Roopa, B.V. Vara Prasad, D. Bhadru and B. Mallaiah                                                                                          | 3403     | 3409 |
| 432    | EFFECT OF PHOSPHORUS, SULPHUR AND PSB ON ENHANCING MUSTARD CROP PRODUCTIVITY AND ECONOMICS PROFITABILITY                                                                               | Hari Shankar Singh, Sarvesh Kumar, Anurag, Rohit Kumar Jaiswal, Roopak and Sumit                                                               | 3410     | 3414 |
| 433    | EFFECT OF FERTILITY LEVELS AND WATER SOLUBLE FERTILIZER ON GROWTH AND YIELD OF BRINJAL ( <i>Solanum melongena</i> L.)                                                                  | Nirali B. Sabhaya and M. V. Patel                                                                                                              | 3415     | 3418 |
| 434    | EFFECT OF APPLICATION METHODS AND FORMS OF ZINC ON YIELD ATTRIBUTES OF MAIZE CROP                                                                                                      | M. Divyanjali, P. Satish, S. A. Hussain and K. Shailaja                                                                                        | 3419     | 3423 |
| 435    | IMPACT OF FOLIAR-APPLIED NANO UREA AND NANO DAP ON CHLOROPHYLL CONTENT AND FODDER YIELD OF MAIZE                                                                                       | V.R. Gaikwad, J.K. Parmar, H.K. Patel, V.J. Patel, Mansi Parmar, Krishnaben Chavda and Bhavna Nandania                                         | 3424     | 3429 |
| 436    | ASSESSMENT OF GENETIC VARIABILITY FOR HEAT TOLERANCE IN BREAD WHEAT ( <i>Triticum aestivum</i> L.) USING MORPHO-PHYSIOLOGICAL TRAITS AND MOLECULAR MARKERS                             | V. Kumar, S.A. Desai and S.S. Biradar                                                                                                          | 3430     | 3438 |
| 437    | COMPARATIVE EVALUATION OF SOIL NUTRIENT DYNAMICS AND CROP NUTRIENT UPTAKE UNDER CONVENTIONAL AND MECHANIZED SUGARCANE CULTIVATION SYSTEMS                                              | Hari Kumar E., M.B. Patil, S.S. Nooli, B.N. Aravinda Kumar, C.R. Patil and Ramesh M. Berge                                                     | 3439     | 3444 |
| 438    | EFFICACY OF ESSENTIAL OILS FOR THE ECO-FRIENDLY MANAGEMENT OF GROUNDNUT BRUCHID, <i>Caryedon serratus</i> (OLIVIER), IN STORED GROUNDNUT                                               | S. Kousalya, G. Priyadarshini, A. Padmasri and J. Rajender                                                                                     | 3445     | 3451 |
| 439    | SCREENING AND CHARACTERIZATION OF POTENTIAL INDIGENOUS RHIZOBACTERIA ASSOCIATED WITH <i>Capsicum annuum</i> (chilli) IN MADHYA PRADESH INDIA                                           | Nandini Singh and Anil Prakash                                                                                                                 | 3452     | 3464 |
| 440    | SEASONAL INCIDENCE OF MAJOR INSECT PESTS AND NATURAL ENEMIES OF MUSTARD ( <i>Brassica juncea</i> L.) IN RELATION TO WEATHER PARAMETERS                                                 | Shiva Kumar V., Neharkar P.S., Sonkamble M.M., Gollapelly Ravi, Kadam D.R. and Shivaram U.                                                     | 3465     | 3472 |
| 441    | NUTRIENT UPTAKE DYNAMICS OF PEARL MILLET AS INFLUENCED BY ORGANIC NUTRIENT MANAGEMENT PRACTICES                                                                                        | Paluchani Meghana Reddy, B.T. Nadagouda, R.A. Nandagavi, Sridhara, M.R. and Shivalingappa Hotkar                                               | 3473     | 3479 |
| 442    | CURRENT ADVANCES IN INHERITANCE OF TOLCNDV RESISTANCE IN CUCUMBER ( <i>Cucumis sativus</i> L.): GLOBAL INSIGHTS, EVOLUTIONARY DYNAMICS, AND BREEDING STRATEGIES                        | Bharath Devagiri, Mallikarjuna Kokkanti, Swaminaidu N. and Chandrabhan S. Erande                                                               | 3480     | 3491 |
| 443    | EVALUATION OF COLOURED STICKY TRAPS AND REFLECTIVE MULCHES FOR SUSTAINABLE MANAGEMENT OF CHILLI THRIPS ( <i>Scirtothrips dorsalis</i> hood) IN CHILLI ( <i>Capsicum annuum</i> L.)     | M. Apoorva, R. Sathish, C. Narendra Reddy and K. Bhavya Sree                                                                                   | 3492     | 3498 |
| 444    | RESPONSE OF FRUIT QUALITY PARAMETERS AND BIOACTIVE COMPOUNDS OF STRAWBERRY ( <i>Fragaria × ananassa</i> duch.) CV. WINTER DAWN TO ORGANIC COMPOST GRANULES AND BIODYNAMIC PREPARATIONS | Shaifali Tanwar, S.S. Lakahwat, Ayushi Jain, Ashmita Parmar, Deependra Singh Saragndevot, Mahendra Kumar Gora, Pallav Joshi and Pooja Rathore. | 3499     | 3504 |

| S. No. | TITLE                                                                                                                                                           | AUTHOR                                                                                                                             | PAGE NO. |      |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------|------|
| 445    | QUANTITATIVE ANALYSIS OF QUALITY ATTRIBUTES IN LISIANTHUS ( <i>Eustoma grandiflorum</i> ) VARIETIES AS INFLUENCED BY DRYING TECHNIQUES AND DESICCANT TREATMENTS | Rajiyabegaum S. Hosalli, Laxman Kukanoor, Mukund Shiragur, Sateesh R. Patil, Viresh M. Hiremath and Ashok                          | 3505     | 3509 |
| 446    | PRESERVATIVES: THE SECRET TO LONGER-LASTING VASE BLOOMS                                                                                                         | Rajiyabegaum S. Hosalli, Laxman Kukanoor, Sateesh R. Patil, Mukunda Shiragur, Viresh M. Hiremath and Ashok                         | 3510     | 3517 |
| 447    | VALUE ADDITION OF MILLET-BASED PRODUCTS: A REVIEW                                                                                                               | Rajiyabegaum S. Hosalli, Nethravathi Ashok Patil and Laxman Kukanoor                                                               | 3518     | 3522 |
| 448    | DIVERSITY ASSESSMENT OF MORPHOLOGICAL, BIOCHEMICAL, AND BIOACTIVE TRAITS IN BAEI ( <i>Aegle marmelos</i> L.) UNDER SEMI-ARID LATERITIC CONDITIONS               | Pradipto Kumar Mukherjee, Payel Das, Urmila Tudu, Gautam Mandal and Prahlad Deb                                                    | 3523     | 3532 |
| 449    | RESOURCE-EFFICIENT NUTRIENT MANAGEMENT ENHANCES MORPHOPHYSIOLOGICAL PERFORMANCE OF ONION ( <i>Allium cepa</i> L.)                                               | Krishna Jat, Y.K. Sharma, Uadal Singh, R.C. Meena, H.P. Parewa, R.K. Bagri                                                         | 3533     | 3539 |
| 450    | MANAGEMENT OF ALTERNARIA LEAF SPOT OF GREENGRAM CAUSED BY <i>Alternaria alternata</i> THROUGH FUNGICIDES                                                        | Seema Yadav, Jitendra Singh, Sunil Kumar Sharma, Ramniwas Yadav and Rajesh Kumar Bochalya                                          | 3540     | 3545 |
| 451    | EXPLORING THE POTENTIAL OF OKRA GENOTYPES UNDER WALK-IN TUNNEL GREENHOUSE IN COLD ARID ENVIRONMENT                                                              | M.S. Kanwar, B.S. Dogra and Nadeya Khaliq                                                                                          | 3546     | 3553 |
| 452    | INDUSTRIAL BY-PRODUCTS AS SUSTAINABLE SOIL AMENDMENTS: IMPACTS ON SOIL HEALTH AND AGRICULTURAL PRODUCTIVITY: A REVIEW                                           | Shubham B. Abhale, Sushil P. Wagh, Viraj V. Pisal, Sagar S. Patil, Akash P. Gawade, Y.A. Reddy, Dhanajay D. Sirsat and D. Deshmukh | 3554     | 3565 |
| 453    | ASSESSMENT OF PACKAGING MATERIALS FOR MAINTAINING PHYSICAL QUALITY AND EXTENDING SHELF LIFE OF LOOSE TUBEROSE FLOWERS ( <i>Agave amica</i> )                    | Apoorwa Chandrakar, G.P. Nag, Rajeshwari Sahu, Eshu Sahu, Er. Bhagwat Kumar, Rinu, Keval and Vinay Dansena                         | 3566     | 3570 |
| 454    | ESTIMATION OF HETEROSIS FOR YIELD, YIELD-ATTRIBUTING TRAITS AND STARCH CONTENT IN DOUBLED HAPLOID DERIVED CROSSES OF MAIZE ( <i>Zea mays</i> L.)                | N. Lavanya, G. Usharani, D. Sravani and K. Lakshmi Prasanna                                                                        | 3571     | 3576 |
| 455    | CORRELATION AND PATH COEFFICIENT ANALYSIS FOR GRAIN YIELD AND STARCH CONTENT IN DOUBLED HAPLOID DERIVED CROSSES OF MAIZE ( <i>Zea mays</i> L.)                  | N. Lavanya, G. Usharani, D. Sravani and K. Lakshmi Prasanna                                                                        | 3577     | 3584 |
| 456    | STUDIES IN WEED MANAGEMENT PRACTICES IN DRY DIRECT SEEDED RICE ESTABLISHMENT METHODS UNDER CAUVERY COMMAND AREA OF KARNATAKA INDIA                              | G.N. Kalyan, G.R. Denesh, H.R. Savitha, Hanumantappa Meti and K.V. Shivakumar                                                      | 3585     | 3590 |
| 457    | ENHANCING DRY MATTER INTAKE AND WATER CONSUMPTION OF LACTATING NON-DESCRIPT COWS THROUGH SALT AND JAGGERY- ENRICHED SOYBEAN STRAW FEEDING                       | Priyanka A. Katke, R.R. Shelke, S.D. Chavan, P.A. Kahate, J.P. Deshmukh, and S.P. Waghmare                                         | 3591     | 3596 |
| 458    | EVALUATION OF ELITE GERMPLASM OF MOTH BEAN ( <i>Vigna aconitifolia</i> Jacq.) USING PATH COEFFICIENT ANALYSIS AND D2 ANALYSIS                                   | Vedant Sachan, Shama Parveen and Akash Barela                                                                                      | 3597     | 3603 |
| 459    | RESOURCE CONSERVATION TECHNOLOGIES SHAPING RICE YIELD, AVAILABLE NITROGEN, AND CARBON DYNAMICS IN THE TERAI RICE-WHEAT CROPPING SYSTEM                          | Sanjib Barman, Sagardeep Sinha, Abhas Kumar Sinha, Nandini Roy, Prodipto Sow, Jayashree Dey Sarkar and Sushovan Paul               | 3604     | 3610 |
| 460    | BIOLOGY OF GRAM POD BORER, <i>Helicoverpa armigera</i> (hubner) HARDWICK (LEPIDOPTERA: NOCTUIDAE) ON CHICKPEA ( <i>Cicer arietinum</i> L.)                      | D.N. Chaudhary, M.V. Dabhi, R.K. Gangwar and Sandeep S.                                                                            | 3611     | 3616 |
| 461    | MODULATION OF TRANSLOCATION DYNAMICS FOR ESSENTIAL HEAVY METALS THROUGH COMBINED APPLICATION IN TUBEROSE CV. PRAJWAL                                            | L. Gowthami and V. Vijaya Bhaskar                                                                                                  | 3617     | 3623 |