

PLANT ARCHIVES

Volume 21	Number 2	Oct – 2021	
TITLE	AUTHOR	PAGE NO.	
THE PRACTICES OF ENTOMOPHAGY AROUND THE WORLD WITH SPECIAL REFERENCE TO NORTH-EAST INDIA: A PRIMITIVE PRACTICE THAT NEEDS TO BE SAFEGUARDED	Deepjyoti Bhowmick, Najhita Banu and Khundrakpam Surajmohan Singh	1	9
EVALUATION OF BIO EFFICACY AND PHYTO TOXICITY EVALUATION OF INDAZIFLAM 500 SC IN ACID LIME	M.P. Kavitha, P.Rajangam and M.Uma Maheswari	10	15
VERSATILE PROFILE OF MORINGA AND ITS ROLE FOR GROWTH AS A FUNCTIONAL FOOD: A REVIEW	Prashant Kumar Srivastava, Neetu Singh and Anukriti	16	21
REVIEW ON HERBICIDES RESISTANCE AND THEIR MODE OF ACTION	Ashu and Sandeep Menon	22	28
SCOPE AND IMPORTANCE OF NANOTECHNOLOGY IN AGRICULTURE: A REVIEW	Pragada Venkata Yaswanth, Pothula Himabindu, Yalagandhula Abhilash, M. Shanmukha Reddy Kondru Swetha and A. H. Madakemohekar	29	34
OPTIMIZATION OF MILLET-LEGUME BASED COMPOSITE FLOUR, ITS RHEOLOGY AND USE AS PRO-HEALTH INGREDIENT IN BAKERY INDUSTRY	Sheeba Khan, Shivani Rustagi, Avinash Singh, and Pragati Devi	35	43
PLANT GROWTH PROMOTING ACTIVITIES OF RHIZOBACTERIA ISOLATED FROM RHIZOSPHERIC SOILS OF RURAL BANGALORE, INDIA	Sadhana Venkatesh, Sandeep Suryan, Nagananda Govinahalli Shivashankara and Swetha Seshagiri	44	51
EFFECT OF NUTRIENTS ON CELLULOLYTIC AND PECTOLYTIC ENZYME PRODUCTION OF <i>ALTERNARIA ALTERNATA</i> A LEAF SPOT PATHOGEN OF TEAK (<i>TECTONA GRANDIS L.F.</i>)	Pawar A. B.	52	54
AREAS INFESTED WITH <i>CULEX PIPIENS</i> (DIPTERA - CULICIDAE) IN THE LARGE TLEMEN GROUPING (ALGERIA)	Tabti Nassima, Stambouli Hassiba and Abdellaoui Karima	55	61
PHYTOCHEMICAL STUDIES ON SOME SELECTED SPECIES OF <i>ASTERACEAE</i> FAMILY OF RAJASTHAN, INDIA	Varsha Solanki, TahiraBegam, RanaTaj and Shahdab Hussain	62	65
APPLICATION OF FUNGICIDES AND PLANT EXTRACTS IN CONTROL OF <i>FUSARIUM</i> ROT OF TOMATO FRUITS	Shyam Govind Singh	66	67
GENUS <i>TETRACLADIUM</i> (INGOLDIAN FUNGI) FROM HIMACHAL PRADESH, INDIA	Indu Bhushan Prasher, Punita and M.C. Sidhu	68	73
INTEGRATED MANAGEMENT OF NP FERTILIZERS CAN BOOST THE GROWTH AND YIELD PERFORMANCE OF SUNFLOWER (<i>HELIANTHUS ANNUUS L.</i>)	Ayaz Khan Leghari, Umed Ali Laghari, Abdul Qayoom Majidano, Ghulam Hussain Jatoti, Tahmina Shar, Sajjad Ali Khuhro, and Mahpara Khatoun Bhutto	74	80
PROTECTIVE EFFECT OF CURCUMIN RIMPANG <i>CURCUMA LONGA</i> LINN. EXTRACT ON CHLORPYRIFOS POISONING IN WISTAR RATS	Azhari Muslim, Dadang, Nastiti Siswi Indrasti and Yusman Syaukat	81	84
FOUR NEW REPORTS OF WOOD-ROTTING CORTICIOID FUNGI FROM INDIA	Ellu Ram, Avneet Pal Singh, Ramandeep Kaur and Gulpaul Singh Dhingra	85	88
INFLUENCE OF AUXIN ON <i>IN VITRO</i> SECONDARY METABOLITES PRODUCTION FROM <i>BALANITES AEGYPTIACA</i> CALLUS CULTURES	Asmaa A.A. Abdel-Kareem, H.A. El-Shamy, A.K. Dawh and S.G. Gwiefel	89	93
EFFECT OF COW URINE TREATMENT ON PLANT GROWTH AND ANTI-MICROBIAL ACTIVITY ON <i>GOSSYPIUM HIRSUTUM L.</i>	S. Krishnaveni and M. Mamatha	94	98
MYCOFLORA OF SPICES : A REVIEW	Chitra Kumari and Shyam Govind Singh	99	102
ETHNO MEDICINAL STUDIES WITH SPECIAL REFERANCE TO DAMOR TRIBE IN SARTHUNA VILLAGE OF DISTRICT DUNGARPUR IN SOUTH RAJASTHAN INDIA	Neeraj Kumar Shrimali, Shafkat Rana and Mehta Kavita	103	107
STRUCTURAL ATTRIBUTES, DIVERSITY AND MANAGEMENT OF SOME VAN PANCHAYAT FOREST STANDS OF GARHWAL HIMALAYA	B.S. Bhandari, Toseef Riaz and R.S. Rawat	108	115
ETHNOBOTANICAL STUDY OF MEDICINAL PLANTS INURUG INDIGENOUS VILLAGE, BOGOR DISTRICT, INDONESIA	Sri Endarti Rahayu, Rosalia Purba and Ikhsan Matondang	116	125
PHYTOCHEMICAL AND PHARMACOLOGICAL PROPERTIES OF FIVE DIFFERENT SPECIES OF <i>JASMINUM</i>	Reshma D, C.T. Anitha and Sheeja T Tharakan	126	136
ASSESSMENT OF NUTRITIONAL RELEVANCE OF <i>DIPLAZIUM ESCULENTUM</i> BY QUALITATIVE PHYTOCHEMICAL AND OVERALL PROTEIN PROFILING	Alphonsa Thomas and P.K. Bindu	137	142
<i>TINOSPORA CORDIFOLIA</i> : A MAGICAL WAND WITH IMMENSE MEDICINAL APPLICATIONS	Akanksha Arora	143	147
SEVERITY AND INTENSITY OF FUNGAL DISEASES OF CUCURBIT CROPS OF HAMIRPUR REGION, HP, INDIA	Manu Vineet Sharma and Hem Chander	148	153
APPLICATION OF HYDROLOGICAL MODELS IN A SMALL AGRICULTURAL CATCHMENT FOR WATER MANAGEMENT: CASE STUDY ON WADI EL-RAML WATERSHED-NORTH WESTERN COAST OF EGYPT	M.A.I. Abdalla, M.K. Abd El-Wahab, M.A. Tawfik and I.M.M. Khater	154	163
PATHOGENIC DISEASE OCCURRENCES IN PLANTATION SITES OF BASTAR DISTRICT, CHHATTISGARH, INDIA	V.K. Soni and Ranjeeta Nag	164	167

TITLE	AUTHOR	PAGE NO.	
BIOACTIVE PHYTOCONSTITUENTS WITH HEPATOPROTECTIVE POTENTIAL: A REVIEW	N. Sailaja, K. Sunitha and S. Ganapaty	168	175
CONSERVATION, UTILIZATION OF LOCAL PLANT SPECIES, AND CULTIVATION AS THE EFFORTS OF CONTROLLING SALT AND SULFUR LEVELS AT THE BORDER OF BALURAN NATIONAL PARK, SITUBONDO REGENCY, EAST JAVA	Jati Batoro and Wiyono	176	180
XYLANASE ACTIVITY OF <i>ASPERGILLUS NIGER</i> AT DIFFERENT ECOLOGICAL CONDITIONS	Anjali Sharma A.K. Jaitly and Tanuja Bhatt	181	184
COMPREHENSIVE REVIEW ON <i>TINOSPORA CORDIFOLIA</i> UNVEILING ITS HEALTH BENEFITS AND BIOLOGICAL POTENTIAL	Gunjan Mehta	185	188
IMPROVE THE PYROLYTIC GAS PRODUCTION BY USING THE CO-PYROLYSIS TECHNIQUE: AN EXPERIMENTAL STUDY	Abo Zahra A.I., M.K. Abd El-Wahab and M.A. Tawfik	189	200
ROLE OF CONSUMPTION OF COMPOSITE FLOUR IN MANAGEMENT OF LIFESTYLE DISORDERS	Mitaigiri Taffreeda Banu, Jaspreet Kaur, Vishesh Bhadariya, Jyoti Singh and Kartik Sharma	201	214
EFFECT OF IRRIGATION WATER SOURCE ON SOME SOIL CHEMICAL PROPERTIES	Alyaa M. S. Abdel Khalik, Karam F. Moussa, Mohamed K. Abdel-Fattah and Ahmed I. Abdo	215	220
SUSTAINABILITY OF APPLE PRODUCTION IN THE TROPICS USING LAND RENT ANALYSIS IN BATU CITY INDONESIA	Ferdianto Budi Samudra, Santun R.P. Sitorus, Edi Santosa and Machfud	221	229
LIFE TABLE PARAMETERS OF THE PERFORMANCE OF <i>PROCTOLAEALAPS GIZAENSIS</i> SP. NOV. (ACARI: MESOSTIGMATA: MELICHRIDAE) ON FIVE DIFFERENT DIETS	Sally Farouk Allam, Riham Abdel Aziz Mahmoud, Mourad Fahmy Hassan, and Hassan Ali Taha	230	239
MAJOR DISEASES OF WHEAT AND THEIR MANAGEMENT: A REVIEW	Raveena Chaudhary and Mamta Pujari	240	245
THE ANTIOXIDANT COMPONENTS AND UMAMI MOLECULES IN MUSHROOMS: A REVIEW	Anshika Phutela and Aparajita Bhasin	246	250
DIVERSITY AND DISTRIBUTION PATTERN OF THE GENUS <i>OSCILLATORIA</i> VAUCHER EX GOM. (OSCILLATORIALES, CYANOPROKARYOTE) IN TRIPURA, INDIA	Rama Kant, Kuntal Sarma, Jyoti Singh, Nida Ziyaul, Doli, Amrisha Saini, Deepak Das and Moushum Bhattacharya	251	258
GROWTH, PHYSIOLOGY AND YIELD RESPONSES OF FOUR ROCK MELON (<i>CUCUMIS MELO</i> VAR. <i>CANTALOUPENSIS</i>) CULTIVARS IN ELEVATED TEMPERATURE	Rathnayake Mudiyanseelage Nilusha Thushari Amarasinghe, Siti Zaharah Sakimin, Puteri Edaroyati Megat Wahab, Shairullzan Ramlee and Juju Nakasha Jaafar	259	266
AN ETHNOBOTANICAL SURVEY OF WILD EDIBLE MUSHROOMS - A POTENTIAL RESOURCE OF FOOD AND INCOME GENERATION IN PABBAR VALLEY, HIMACHAL PRADESH, INDIA	P.P. Chauhan	267	272
MACROPHYTIC DIVERSITY OF SOME WETLANDS OF JAMMU REGION, J&K, INDIA	Assadullah Sheikh and Deepika Slathia	273	278
GREEN SYNTHESIS OF SILVER NANOPARTICLES FROM FRUIT RIND EXTRACT OF <i>GARCINIA MANGOSTANA</i> L. AND EVALUATION OF ANTIBACTERIAL PROPERTIES	Manju Madhavan, Elsa Rose P.J., Arunima Francis, Grace Maria Benny and Anila Wilson	279	283
A STUDY TO ACCESS THE PHYSIO-CHEMICAL PARAMETERS OF WATER QUALITY OF SELECTED PONDS FROM THREE DISTRICTS OF TAMIL NADU, INDIA	Kamalasan Prathap-Mathan, Joseph Babila-Jasmine and Muthukumar Thilagavathi	284	289
<i>IN VITRO</i> ANTI-ARTHRITIC ACTIVITY OF DIFFERENT EXTRACTS OF <i>CASCABELA THEVETIA</i> (<i>THEVETIA PERUVIANA</i>) LEAVES	Subba Rao Chamakuri, Dasari Priyanka, Syed Ahad Hussain, Rohama Ayyub, Avula Latha, Gadapa Shilpa, Md. Imraan Baig, Velpula Sridhar, Dileep Dasarapu, Sana Fareed,	290	294
ANTIMICROBIALS USE IN BROILER CHICKEN BREEDING: CASE OF THE AIN DEFLA PROVINCE (ALGERIA)	Mokhtar Rahmani Mohamed, Ziane Mohammed, Ben Braiek Olfa, Bouamra Mohammed and HAMMOUDI Abdel Hamid	295	304
FACTOR AFFECTING BEE HONEY QUALITY ACCEPTANCE INCLUDING CONTENTS AND EXTRACTION METHOD	Rasha, M. A. Farag; Amr A. A. Metwally and Mohamed M. Abou-Setta	305	309
ENHANCEMENT OF TOMATO ROOT-KNOT NEMATODES CONTROL USING A NOVEL BIOLOGICAL TREATMENT IN NORTH SINAI	Darin M.R. El-Bolok, Ahmed A. El-Sharawy, Eman K. Din and M.Y. Abdalla	310	315
OIL EFFLUENT EXPOSURE INDUCED BIOCHEMICAL MODULATIONS IN SUBCELLULAR / TISSUES (CYTOSOL, MICROSOMES) OF FOOT, GILL AND DIGESTIVE GLANDS OF <i>LAMELLIDENS MARGINALIS</i> .	Solamuthu Balamurugan	316	327
MICROENCAPSULATION AND ITS UTILIZATION IN THE SECTOR OF HORTICULTURE: A REVIEW	Ankan Das	328	332
STUDY ON MARKETING PATTERN OF APPLE CULTIVATION IN KASHMIR VALLEY, INDIA	R.K. Kulshreshtha and Amod Sharma	333	339
NABARD CONTRIBUTION IN AGRICULTURE AND RURAL DEVELOPMENT WITH SPECIAL REFERENCE TO WATERSHED PROJECT UNDER RIDF SCHEME IN INDIA	Rakesh Kumar Kulshreshtha and Amod Sharma	340	344
CONSTRAINTS FACED DURING THE PRODUCTION AND MARKETING OF CABBAGE AND POTATO CROPS: A	Th. Motilal Singh and Amod Sharma	345	350

TITLE	AUTHOR	PAGE NO.	
COMPARATIVE STUDY OF MANIPUR AND NAGALAND STATES OF INDIA			
DETERMINING RELATIVE IMPORTANCE OF HUMAN GUT MICROBIOTA, AGE, GENDER AND LIFESTYLE PATTERN AS A PREDICTOR FOR BMI USING LOGMPIE DATA	Komal Jani and Shelly Gupta	351	354
ANTAGONISTIC EFFECT OF <i>LACTOBACILLUS ACIDOPHILUS</i> AGAINST ENTEROPATHOGENS AND ITS UTILIZATION FOR DEVELOPMENT OF PROBIOTIC FOOD MIXTURES	Sharon C.L., Usha V., Aneena E.R., Lakshmy P.S. and Seeja Thomachan	355	358
A SYSTEMATIC STUDY OF COMMELINACEAE OF BIHAR AND JHARKHAND STATES, INDIA	Rama Prasad Bhattacharya	359	365
GLOBAL STATUS OF PHYTOPLASMA ASSOCIATED DISEASES ON DIFFERENT ORNAMENTAL CROPS. A REVIEW OF RECENT RESEARCH	Shoeb Ahmad and Akil A. Khan	366	371
DEVELOPMENT OF <i>IN VITRO</i> PLANT REGENERATION PROTOCOL OF BANANA (<i>MUSA SP.</i>) CV. GRAND NAINA USING SUCKER EXPLANT	Kumari Monalisa, Bibekananda Kulhari, Subhashree S. Barik, Swaraj K. Babu, Mamta Naik, Siba P. Pidika, Bibhuti B. Dash and Shashikanta Behera	372	378
SUSTAINABLE WATER AVAILABILITY MODEL WITH RESERVOIR TECHNIQUE BY USING ISM (INTERPRETATIVE STRUCTURAL MODELING) METHOD IN BANGKA ISLAND INDONESIA	Uci Sulandari, Asep Sapei, Eriyatno, Achmad Faqih and Lina Karlinasari	379	385
BIOEFFICACY OF NANO NUTRIENTS (N, Zn & Cu) ON YIELD OF CAPSICUM	J. Sam Ruban, B. Gayathri and C. Jeyaraj	386	390
QUALITY CONTROL STANDARDIZATION AND ANTI-INFLAMMATORY ACTIVITY OF AYURVEDA FORMULATION <i>YASHTIMADHU CHURNA</i>	Prince Kumar Pal, Biresh Kumar Sarkar, Harjeet Singh, Shashi Pal, Vijay Kumar, G. Babu and A.K.Meena	391	394
ALLEVIATION OF CHANGES IN GROWTH AND PHYSIOCHEMICAL PARAMETERS IN SALT (NaCl) STRESSED OF TWO SESAME (<i>SESAMUM INDICUM L</i>) VARIETIES	R. Desingh and G. Kanagaraj	395	400
REVIEW ON COMPILATION OF ETHNOPHARMACOLOGICAL PROPERTIES OF <i>BERGENIA CILIATA</i> : THE MEDICINAL HERB OF HIMALAYAS	Vidya Chauhan, Pallavi Rawat and Neha Chauhan	401	410
DIETARY SPICES AS ANTI-HYPERLIPIDEMIC AGENTS WITH THEIR BIOACTIVE COMPOUNDS FOR CARDIOVASCULAR HEALTH: A REVIEW	Meeneri Vilas Bobde, Ankita Lehra, Seema Rani Padhiary, Monika Bajpai and Sibi G	411	415
BIORECLAMATORY STUDIES ON SALT AFFECTED SOIL BY USING CYANOBACTERIAL BIOFERTILIZERS	Soniya Devi, Nisha Rani and Anand Sagar	416	422
BAMBOOS: DIVERSITY, UTILIZATION AND ECONOMIC IMPORTANCE IN TIZIT AREA OF MON DISTRICT, NAGALAND, INDIA	Zenwang Konyak and Hüsülü Swüro	423	426
HABITAT DIVERSITY OF EDIBLE WILD MUSHROOMS IN SEMARSOT WILDLIFE SANCTUARY, CHHATTISGARH, INDIA	Bhavna Dixit and Reshma Ekka	427	429
EFFECT OF CROPPING SYSTEM AND FERTILIZERS ON CLUMP FORMATION IN <i>CYMOPOGON FLEXUOSUS</i> UNDER <i>DALBERGIA SISSOO</i> ROXB. BASED AGROFORESTRY SYSTEM IN <i>ENTISOLS</i>	Sajiwan Kumar and M. N. Naugraiya	430	438
STUDY THE PHYSICO-CHEMICAL PROPERTIES OF SOIL IN <i>DALBERGIA SISSOO</i> BASED AGROFORESTRY WITH <i>CYMOPOGON FLEXUOSUS</i> AS IN INTERSPACE TO IMPROVE MARGINAL WASTELAND IN CHHATTISGARH, INDIA	Sajiwan Kumar and M.N. Naugraiya	439	446
PLANT DIVERSITY AND CLIMATE DURING MIDDLE MIOCENE PERIOD AROUND KATHGODAM IN THE HIMALAYAN FOOT HILLS OF UTTARAKHAND, INDIA	Rajiv Ranjan, Shivdatt Tiwari, Alok, Pawan Kumar Singhand Mahesh Prasad	447	458
FLORAL BIOLOGY AND PHENOLOGY IN SWEET ORANGE (BARI Malta-1) UNDER SUBTROPICAL CONDITION OF BANGLADESH	Md. Anwar Hossain Khan, M. A. Rahim, Mahbub Robbani, Md. Fakhru Hassan and Mohammad Amdadul Haque	459	464
ISOLATION, IDENTIFICATION AND FREQUENCY OCCURRENCE OF FABA BEAN CHOCOLATE SPOT DISEASE AND ITS ASSOCIATED FUNGI IN DIFFERENT GOVERNORATES OF EGYPT	Omnia A.E. Ghareib, Ahmed Z. Aly, Mohamed I. Abou Zaid and Khaled I. Zaki	465	473
RESPONSE OF "WONDERFUL" POMEGRANATE CULTIVAR TO THE FOLIAR APPLICATION OF SOME BIOSTIMULANTS	Harhash M. M., Saad R. M. and Mosa W. F. A.	474	487
RESPONSE OF WEED MANAGEMENT STRATEGIES ON PERFORMANCE OF MAIZE AT DEHRADUN, UTTARAKHAND, INDIA	Hema Adhikari, Diksha Nautiyal, Ashwani Rawat and Manisha	488	489
PERFORMANCE OF TOMATO (<i>SOLANUM LYCOPERSICUM L.</i>) GENOTYPES FOR GROWTH, YIELD AND QUALITY ATTRIBUTES	Rajeev Kumar, R.B. Ram and Pradeep Kumar	490	493
FLORISTIC DIVERSITY OF JUNIPERAE IN THE REGION OF TLEMCEN CASE OF <i>JUNIPERUS PHOENICEA</i>	Manel Berber and Hassiba Meziane-Stambouli	494	497
EFFICIENCY OF USING THE IDENTIFICATION SCALES FOR GROWTH AND DEVELOPMENT STAGES OF SORGHUM PLANTS	Storozhyk L.I., Prysiazhniuk O.I., Humentyk M.Ya. and Kulyk H.A.	498	509
SOME IMMUNITY-BOOSTING PLANTS USED DURING THE COVID-19 PANDEMIC TO PREVENT CORONA VIRUS INFECTION IN KUMAUN HIMALAYAN REGION OF	Deepak Kumar and Pankaj Arya	510	517

TITLE	AUTHOR	PAGE NO.	
UTTARAKHAND, INDIA			
EFFECT OF SYNTHETIC FERTILIZERS WITH DIFFERENT LEVELS OF SOLUBLE SYNTHETIC FERTILIZERS ON GROWTH AND YIELD OF FIELD PEA AT DEHRADUN INDIA	Nautiyal Diksha, K. Paarthiban and Manisha	518	521
REVIEW ARTICLE: THE GINGER FAMILY: SPICING-UP THE ANTICANCER RESEARCH	Jigyasa Somani, Daljeet Singh Dhanjal, Reena Singh, Saurabh Satija and Chirag Chopra	522	527
ASSESSMENT OF WATER QUALITY USING PHYSICO-CHEMICAL PARAMETERS OF KOTMARA RESERVOIR SANGAMNER TAHSIL, MAHARASHTRA, INDIA	Wagh B.D. and Jondhale A.S.	528	532
COVID-19: CAUSES, MECHANISMS AND POSSIBLE TREATMENTS	Tajamul Islam Shah	533	541
DIVERSITY OF WILD MUSHROOM FROM FOOTHILL REGION OF UTTARAKHAND, INDIA : NEW REPORTS	Vasundhra Sharma and A. K. Jaitly	542	550
MYCELIAL BIOMASS, EXO & ENDO POLYSACCHARIDES IN WILD STRAIN OF <i>SPARASSIS CRISPA</i>	Vasundhra Sharma and A. K. Jaitly	551	555
<i>CATHARANTHUS ROSEUS</i> (SADABAHAR): A BRIEF STUDY ON MEDICINAL PLANT HAVING DIFFERENT PHARMACOLOGICAL ACTIVITIES	Shadab Ali, Nasiruddin Ahmad Farooqui, Shamim Ahmad, Mohd Salman and Suraj Mandal	556	559
ETHNOBOTANICAL STUDY OF MEDICINAL PLANTS USED TO CONTROL DIABETES IN POPULATION OF THE CENTRAL PLATEAU, MOROCCO	Fatima El hilah, Jamila Dahmani and Lahcen Zidane	560	564
ESTIMATING THE RESPONSE OF SOME PLANT SPECIES TO AMBIENT AIR POLLUTION IN INDUSTRIAL CITY GAJRAULA FOR POTENTIAL GREEN BELT DEVELOPMENT	Deepak Kumar Saini, Anshuman Gupta and Mukesh Kumar	565	575
REVIEW ARTICLE : MICROORGANISMS-DIVERSITY ANALYSIS AND APPROACHES	Daljeet Singh Dhanjal, Shweta Dhole, Reena Singh and Chirag Chopra	576	582
<i>STUDY OF HETEROSIS AND COMBINING ABILITY FOR YIELD AND ITS COMPONENT TRAITS IN BARLEY (HORDEUM VULGARE L.)</i>	Akashdeep. Kamboj, Madakemohekar, A.H., Gaurav Thakur and Sumant Bindal	583	589
OCCURRENCE, DIVERSITY AND TAXONOMIC IMPLICATION OF CALCIUM OXALATE CRYSTALS IN SOME MEMBERS OF LAMIACEAE AND ALLIED TAXA	Archasvi Tyagi, Inam Mohammad, Lalita Saini, Vivek Kumar and Vijai Malik	590	601
BIO-EFFICACY OF NANO NUTRIENTS (N, ZN AND CU) ON GROWTH OF CAPSICUM (<i>CAPSICUM ANNUUM L. VAR. GROSSUM</i>)	B. Gayathri, J. Sam Ruban and Jayaraj	602	607
ETHNOBOTANICAL USES AND POPULATION STATUS OF SELECTED MEDICINAL PLANTS FOUND IN THE POLO FORESTS OF SABARKANTHA DISTRICT, GUJARAT, INDIA	Ketankumar Babubhai Mewada, H.M. Ant and Rajkumar S. Yadav	608	613
<i>PHYSALIS PRUINOSA L.</i> , A HIGHLY INVASIVE SPECIES: NEW DISTRIBUTIONAL RECORDS FROM UTTAR PRADESH, INDIA	Vinay Kumar Singh and Raghvendra Singh	614	618
PROSPECTS OF SESAME SEED OIL FOR BIO-DIESEL PRODUCTION: SHORT REVIEW	Barnali Roy	619	623
BIOCHEMICAL AND PHYSIOLOGICAL RESPONSES OF SUGARCANE CULTIVARS AGAINST WATER DEFICIT STRESS	Shoukat Jabeen, Thangadurai Devarajan, Rayappa B. Khandagave, Rakesh Tawadare, Maruti Ambiger, Ravichandra Hospet and Abhishek Mundaragi	624	631
EMBRACING HERBAL MEDICINE THROUGH COLLABORATION AMONG TRADITIONAL HEALERS, BIOMEDICAL HEALTH PRACTITIONERS AND RESEARCH INSTITUTES: A REVIEW	Sibusiso Xego, Learnmore Kambizi and Felix Nchu	632	638
DNA BARCODING OF THE CYPRINIDAE FROM GREATER ZAB RIVER GWER IN KURDISTAN REGION, IRAQ	Agha F. Gashaw; Ibrahim Ramadhan Ibrahim and Shamall Mohammad Amin Abdullah	639	644
IDENTIFICATION OF VAM SPORES (<i>GLOMUS AGGREGATUM</i> AND <i>GLOMUS MOSSEAE</i>) BASED ON CTAB METHOD IN THE RHIZOSPHERE SOIL OF QUINOA (<i>CHENOPODIUM QUINOA</i> WILLD.)	Prashanthi Sandepogu	645	650
EFFECT OF DIFFERENT DATES OF SOWING ON POLLEN VIABILITY IN PARENTAL LINES OF SORGHUM HYBRIDS	N.B. Mehetre, Ashwini V. Jadhav and D.B. Mehetre	651	652
ISOLATION AND CHARACTERISATION OF AMYLASE INHIBITOR	Ashwini V. Jadhav and N.B. Mehetre	653	655
CERTAIN COMMERCIALY INTERESTING TAXA OF PHORMIDIOIDEAE, PHORMIDIACEAE (OSCILLATORIALES CYANOPROKARYOTE) FROM POLLUTED SITES OF MEERUT, UTTAR PRADESH, INDIA	Jyoti Singh, Kuntal Sarma, Amrishi Saini, Sunil Kumar and Rama Kant	656	661
MORPHOLOGICAL RESPONSES OF SUGARCANE CULTIVARS AGAINST WATER DEFICIT STRESS IN NORTHERN KARNATAKA REGION OF INDIA	Shoukat Jabeen, Devarajan Thangadurai, Rayappa Bharamappa Khandagave, Rakesh Tawadare, Maruti Ambiger and Ravichandra Hospet	662	670
OBSERVATIONS ON THE ETHNOMEDICINAL PLANTS OF KANNAUJ DISTRICT, UTTAR PRADESH, INDIA	S.K. Verma and R.B. Yadav	671	674
SYNTHESIS AND BIOLOGICAL ACTIVITY OF SOME 2-(4-BROMOBENZYLIDIN) AMINO-5-METHYL-N-PHENYL-7-SUBSTITUTED PHENYL-4,7-DIHYDRO(1,2,4)TRIAZOLO (1,5-a)-6-CARBOXAMIDOPYRIMIDINES	Nidhi Chaudhary, Ranjana Dubey, Tilak Ram, Pradeep Kumar and Hament Panwar	675	681

TITLE	AUTHOR	PAGE NO.	
STUDIES ON INTEGRATED WEED MANAGEMENT IN BLACK GRAM (<i>VIGNA MUNGO</i> L.) UNDER RAIN FED CONDITION OF NAGALAND, INDIA	Thechano J Ezung, A P Singh, Lanunola Tzudir and Virosanuo Solo	682	686
CHARACTERIZATION OF PHOSPHATE SOLUBILISING BACTERIA ISOLATED FROM THE TEA RHIZOSPHERIC SOIL FROM DARJEELING HILLS	Rashi Subba, Binod C Sharma and Aniruddha Saha	687	691
MORPHOLOGICAL CHARACTERIZATION OF CEPLUKAN (<i>NICANDRA</i> SPP.) FAMILY SOLANACEAE IN BROMO TENGGER SEMERU BIOSPHERE RESERVE, EAST JAVA INDONESIA. A NEW RECORD AND REVIEWS	Jati Batoro	692	696
RESPIRATORY HEALTH EFFECTS OF AMBIENT AIR POLLUTANTS ON ROAD-SIDE VENDORS IN INDUSTRIAL CITY GAJRAULA, UTTAR PRADESH, INDIA	Deepak Kumar Saini and Mukesh Kumar	697	703
COMPARISON OF ANTIBACTERIAL EFFICACY OF VARIOUS EXTRACTS OF <i>CURCULIGO ORCHIOIDES</i> AND DIFFERENT ANTIBIOTICS AGAINST SELECTED HUMAN PATHOGENS	Jasmin S., Reju J. and Thampiraj S.	704	708
UNDERUTILIZED MEDICINAL PLANTS OF MON DISTRICT, NAGALAND INDIA	Zenwang Konyak and Husulu Swuro	709	714
MORPHOLOGICAL STUDIES OF UNDERUTILIZED FRUITS	Anil Kumar, Pratibha Singh and Kunvar Gyanendra Kumar	715	718
DETECTION AND PRELIMINARY IDENTIFICATION OF OCHRATOXINS AND AFLATOXINS PRODUCED BY <i>ASPERGILLUS</i> SPECIES ISOLATED FROM COFFEE	Moussaoui Mohammed, Ziane Mohammed, Ben Braïek Olfa, Yezli Wassim and Moussaoui Adellah	719	726
SYNERGISTIC EFFECT OF SILVER NITRATE AND PHOTON FLUX DENSITY ON THE <i>IN-VITRO</i> MULTIPLICATION OF BANANA (CV. GRAND NAIN, AAA)	Shashi Shekhar, Anjana Rustagi, Neera Bhalla Sarin and Kapil Lawrence	727	733
DIVERSITY OF THE MONOCOT CLIMBERS OF WEST BENGAL, INDIA	Subhajit Bandyopadhyay and Sunit Mitra	734	739
DIVERSITY OF THE ORCHIDS FLORA OF WEST BENGAL, INDIA	Sunit Mitra	740	756
COMPARATIVE STUDIES ON THE EFFICIENCY OF <i>CITRULLUS LANATUS</i> (WATERMELON) AND <i>MOMORDICA CHARANTIA</i> (BITTER-GOURD) SEED POWDER IN THE BIOREMEDIATION OF THE DYE EFFLUENT	B. Sivasathya and K.K. Kavitha	757	765
EXTRACELLULAR ENZYME PRODUCTION BY ENDOPHYTIC ACTINOMYCETES FROM <i>SYZGIUM CUMINI</i>	Sandeep Kumar Singh, Livleen Shukla and Bhanu Prakash	766	771
ASSESSMENT OF NUTRITIONAL QUALITY OF DEVELOPED PRODUCT (MUFFIN & VERMICELLI) BY USING DIFFERENT TYPE OF SEEDS	Heena Dabral and Ankita Sharma	772	776
NUTRITIONAL AND MINERAL ELEMENT EVALUATION IN YOUNG SHOOTS OF DIFFERENT BAMBOO SPECIES OF MANIPUR, INDIA	Thounaojam Premlata, Sheena Haorongbam, Kanchan Rawat, M.S. Bisht and C. Nirmala	777	782
FLORISTIC DIVERSITY OF DASUYA FOREST DIVISION OF PUNJAB: AN AREA ALONG FOOTHILLS OF SHIVALIK RANGE	Kuljinder Kaur	783	794
INDIGENOUS TREE SPECIES SUITABLE FOR "TELANGANA KU HARITHA HARAM": A MASSIVE PLANTATION PROGRAMME IN INDIA	E. N. Murthy S. Rama Rao, A. Vijaya Bhasker Reddy, Raju Bolla, N. Sai Vaishnavi and N. Venu Madhav	795	803
SCREENING OF IMMUNOMODULATORY ACTIVITY OF DIFFERENT PLANT PARTS: A REVIEW	Shaikhul Ashraf, Abrar Hussain Mir, and Tajamul Islam Shah	804	808
RESPONSE OF BASMATI RICE (<i>ORYZA SATIVA</i> L.) TO NITROGEN LEVELS UNDER DIFFERENT TIMES OF APPLICATION	Nandita Maisnam and Udham Singh Tiwana	809	812
USE OF DIMENSION ANALYSIS OF DIFFERENT TREE PLANTATIONS TO STUDY LAND USE CHANGE IN DRY TROPICS	Rahul Kumar, Priyanka Soni, Fahami Zaya, Amrita Kumari and Nandita Ghoshal	813	815
FLORISTIC DIVERSITY OF ANGIOSPERMS IN AQUATIC AND MARSHY HABITATS WITHIN FLOODPLAIN AND RESIDUAL RELIEVES OF RANIPUR WILD LIFE SANCTUARY, U.P., INDIA	R.B. Yadav, Ajay Kumar, S.K. Verma and Lal Ji Singh	816	823
EVALUATION OF ANTI-UROLITHIATIC ACTIVITY OF <i>CASCABELA THEVETIA</i>	Subba Rao Chamakuri, Dasari Priyanka, Syed Ahad Hussain, Ahmed Akif Khan, Syed Ahmedulla Hussaini, Adicharla Pragathi, Kodamunja Sadika, Radarapu Swetha, Sumayya Tabassum, Agantham Aravind, Goli Jyothi Prasanna, Guggilla Srivani, Dasarapu Dileep and ThallapalliSushma	824	826
INFLUENCE OF IRRIGATION SCHEDULING AND WEED MANAGEMENT PRACTICES ON GROWTH ATTRIBUTES OF COWPEA	K. K. Suvain and S. Kalaisudarson	827	830
EFFECT OF NUTRIENT MANAGEMENT ON GROWTH AND YIELD OF SORGHUM (<i>SORGHUM BICOLOR</i>) AT DEHRADUN INDIA	Diksha Nautiyal, Priyanka Bankoti, Hema Adhikari and Paartiban K.	831	833
NUTRITIONAL ANALYSIS OF FIVE WILD EDIBLE TUBERS USED BY THE TRIBAL COMMUNITIES OF KANYAKUMARI DISTRICT, TAMILNADU, INDIA	M. Malar Vizhi and J. Lohidas	834	838

TITLE	AUTHOR	PAGE NO.	
INFLUENCE OF INTEGRATED NUTRIENTS ON POD, SEED CHARACTERS AND YIELD OF AMBRETTE	S. Srinivasan, A.P. Srinivasa Perumal and N.J. Einthu Pochine	839	841
IMPACT OF INORGANIC AND ORGANIC SOURCES OF NUTRIENTS ON NPK UPTAKE BY AMBRETTE AND ITS POST-HARVEST SOIL NPK STATUS	S. Srinivasan	842	845
A NEW COMBINATION IN THE GENUS <i>LYCIANTHES</i> (SOLANACEAE: SOLANOIDEAE: CAPSICEAE)	Madhusmita Mallia, Chinnamadasamy Kalidass and Pratap Chandra Panda	846	847
CARBON SEQUESTRATION POTENTIAL OF ROAD SIDE STANDING TREES IN KAMAREDDY MUNICIPALITY, TELANGANA, IND	Anil Ragula, Shyam Mukandam and Suryakiran Banoth	848	853
A COMPARATIVE STUDY OF THE FARMERS' PERCEPTION ON THE ORGANIC CULTIVATION IN SELECTED HORTICULTURAL CROPS	Th. Motilal Singh ¹ and Amod Sharma ²	854	858
IMPLICATION OF INDIGENOUS FARMING PRACTICES ON THE EMPLOYMENT AND INCOME PATTERN FOR THE SELECTED HORTICULTURAL CROPS OF NAGALAND AND MANIPUR STATES OF INDIA	Th. Motilal Singh ¹ and Amod Sharma	859	863