

**NATIONAL SYMPOSIUM ON PLANT BIOTECHNOLOGY 2018:**

RECENT TRENDS IN PLANT PROPAGATION, GENETIC IMPROVEMENT & INDUSTRIAL APPLICATIONS

16<sup>th</sup> to 18<sup>th</sup> February 2018

**Theme-wise list of Oral and Poster Presentations**

*Note1: Kindly search your name for quickly finding the title of your abstract:*

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*Note 2: Oral presentations are highlighted in Green*

*Note 3: The Memorial lectures and presentations for PTCA Memberships are not enlisted.*

Theme I			
Advances in Plant Tissue Culture Technique			
Sr. No.	Abstract Title	Author(s)	Mode of Presentation
1.2	HETEROCHROMATIN DISTRIBUTION PATTERN AND CYTOLOGICAL ANALYSIS TO EVALUATE GENETIC FIDELITY OF MICROPROPAGATED PLANTS OF PITCHER PLANT ( <i>NEPENTHES KHASIANA</i> HOOK F.)	Satyawada Rama Rao and Soibam Purnima Devi	ORAL
1.18	<i>IN VITRO</i> PROPAGATION OF MATURE TREES OF <i>ROHIDA</i> – AN ENDANGERED TIMBER TREE OF HOT ARID REGIONS	Sidhika Chhajer and Rajwant K. Kalia	ORAL
1.26	RAPID AND SIMPLIFIED METHOD OF <i>IN VITRO</i> PLANT REGENERATION OF <i>DENDROCALAMUS LONGISPATHUS</i> KURZ	P.V. Somashekar, Almas Khanam and T.S. Rathore	ORAL
1.29	<i>IN VITRO</i> PLANT CO-CULTRE (BIOTIZATION): A NEW APPROACH IN PLANT TISSUE CULTURE	Vikas Sharma, Barkha Kamal and Vikash Singh Jadon	ORAL
1.30	<i>IN VITRO</i> PROPAGATION OF GISELA 5 ( <i>PRUNUS CERASUS</i> X <i>PRUNUS CANESCENS</i> )- CLONAL CHERRY ROOTSTOCK FOR HIGH DENSITY PLANTATION	Vishal Sharma, Manisha Thakur and Kanika Sharma	ORAL
1.34	ROLE OF DOUBLE HAPLOID TECHNIQUES IN MODERN DAY CROP IMPROVEMENT	Anjanabha Bhattacharya, Bhavesh Palan, Yogesh Sonone, and Bharat Char	ORAL
1.38	<i>IN VITRO</i> PROPAGATION OF PLUM ( <i>PRUNUS SALICINA</i> ) CV. 'SANTA ROSA' AND ASSESSMENT OF GENETIC STABILITY USING RAPD MARKERS	Manisha Thakur, Dharam Paul Sharma and Manu Vivek	ORAL
1.40	CONTROL OF ENDOPHYTIC MICROORGANISMS AS A KEY FACTOR FOR THE SUSTAINED MICROPROPAGATION OF PAPAYA	Pious Thomas	ORAL
1.1	DIFFERENTIAL SOMATIC EMBRYOGENESIS POTENTIAL AMONG SEQUENTIAL DEVELOPMENTAL EVENTS OF TWO RICE SUBSPECIES EXHIBIT GENIC DIVERSITY	Yuvraj Indoliya, Poonam Tiwari and Debasis Chakrabarty	POSTER
1.3	TOTIPOPOTENCY OF ENDOSPERMS OF <i>MUSA BALBISIANA</i>	A. Balakumaran and	POSTER

	UNDER IN VITRO CULTURE CONDITIONS	Rakhi Chaturvedi	
1.4	TISSUE CULTURE STUDIES ON INTERSPECIFIC F <sub>1</sub> TRIHYBRID OF EUCALYPTUS FRI-13 ( <i>E. CAMALDULENSIS</i> DEHN. X <i>E. TERETICORNIS</i> SM.) X <i>E. GRANDIS</i> MAIDEN EX. HILL)	Sudhir Kumar Singh Chauhan, Sarita Arya and I.D. Arya	POSTER
1.5	5 <i>IN VITRO</i> CLONING OF <i>EUCALYPTUS</i> F <sub>1</sub> HYBRID OF FRI-10 ( <i>E. GRANDIS</i> X <i>E. TERETICORNIS</i> ) THROUGH TISSUE CULTURE TECHNIQUE	Sudhir Kumar Singh Chauhan, I.D. Arya and Sarita Arya	POSTER
1.6	TISSUE CULTURE STUDIES ON ECONOMICALLY IMPORTANT BAMBOO- <i>SCHIZOSTACHYUM DULLOOA</i>	Sarita Arya, Prafful Joshi and I.D. Arya	POSTER
1.7	7 BIOTECHNOLOGICAL INTERVENTIONS FOR CONSERVATION AND PRODUCTION OF SUPERIOR PLANTING STOCK OF DESERT PLANT <i>CAPPARIS DECIDUA</i>	Sarita Arya, Namita Vijay and I.D. Arya	POSTER
1.8	SYNERGISTIC EFFECT OF TRYPTOPHAN AND AUXIN ON EARLY <i>IN VITRO</i> ROOTING OF <i>AZADIRACHTA INDICA</i> MICRO SHOOTS	Ashok Gehlot, I.D. Arya, Meena Choudhary, Rakhi Singh and Sarita Arya	POSTER
1.9	AN OPTIMIZED PROTOCOL FOR <i>IN VITRO</i> PLANT REGENERATION FROM NODAL EXPLANT OF MATURE <i>TERMINALIA ARJUNA</i> TREE	Meena Choudhary, Ashok Gehlot, Shipra Jaiswal, Rakhi Singh and I.D. Arya	POSTER
1.10	EFFECT OF ANTI-OXIDANTS, PVP, ACTIVATED CHARCOAL AND CHILL TREATMENT ON CONTROL OF PHENOLIC EXUDATION IN <i>MILLINGTONIA HORTENSIS</i>	Kompal Arora, Rakhi Singh, I.D. Arya and Sarita Arya	POSTER
1.11	<i>2-ACETYL-1-PYRROLINE ENHANCEMENT IN AROMATIC RICE (Oryza sativa L.) UNDER SALT STRESS</i>	Renuka N., V.T. Barvkar and A.B. Nadaf	POSTER
1.12	CONTROL OF <i>IN VITRO</i> SHOOT TIP NECROSIS OF <i>PTEROCARPUS MARSUPIUM</i> ROXB. : AN ECONOMICALLY IMPORTANT MEDICINAL TREE	Shipra Jaiswal, Meena Choudhary, Rakhi Singh, Sarita Arya and Tarun Kant	POSTER
1.13	MICROPROPAGATION OF <i>GLOSSONEMA VARIANS</i> – RARE PLANT OF INDIAN THAR DESERT	Aarti Paliwal, N.S. Shekhawat and Harchand R Dagla	POSTER
1.14	<i>MICROMORPHOLOGICAL AND IN VITRO STUDIES OF CUCUMIS MELO VAR. AGRESTIS “KACHRI”- A NUTRITIONAL PLANT OF INDIAN THAR DESERT</i>	Sumitra Kumari Choudhary and N.S. Shekhawat	POSTER
1.15	<i>IN VITRO</i> REGENERATION OF TWO IMPORTANT FRUIT PLANTS OF NORTH WESTERN RAJASTHAN ; <i>PUNICA GRANATUM</i> AND <i>PHOENIX DACTYLIFERA</i>	Rachana Modi Dinesh and N.S. Shekhawat	POSTER
1.16	16 <i>IN VITRO</i> REGENERATION AND PROTEIN ANALYSES OF <i>HALOXYLON SALICORNICUM</i> : A KEYSTONE SPECIES OF SANDY ARID REGIONS	Deepmala Goswami and Harchand R. Dagla	POSTER
1.17	<i>IN VITRO</i> CELL AND SHOOT CULTURE OF <i>LEPTADENIA PYROTECHNICA</i> (FORSK.) DECNE	Preeti and Vinod Kataria	POSTER
1.19	GENETIC STABILITY ASSESSMENT OF <i>IN VITRO</i> RAISED PLANTS OF FRI 14, A RELEASED VARIETY OF <i>DALBERGIA SISSOO</i>	Manoj Raturi, Ajay Thakur, Janhvi Mishra Rawat, Rajneesh and Kanchan Karki	POSTER

<b>1.20</b>	BIOCHEMICAL CHANGES DURING DIFFERENT STAGES OF SOMATIC EMBRYOGENESIS IN <i>DALBERGIA LATIFOLIA</i> (ROSEWOOD)	Fatima Shirin, Deepti Bhadrawale, Jay Prakash Mishra, M.K. Sonkar, P.K. Rana and Sushma Maravi	<b>POSTER</b>
<b>1.21</b>	IN-VITRO PROPAGATION, GENETIC STABILITY AND ESSENTIAL OIL CONSTITUENTS ANALYSIS OF <i>ANGELICA GLAUCA</i> EDGEW.: AN ENDANGERED MEDICINAL PLANT OF HIMALAYAN REGION	Janhvi M. Rawat, Aakriti Bhandari, Balwant Rawat, Ajay Thakur and Anup Chandra	<b>POSTER</b>
<b>1.22</b>	STANDARDIZATION OF INDOLE BUTYRIC ACID CONCENTRATION FOR ROOTING OF CUTTING IN <i>GMELENA ARBOREA</i> ROXB	Mayavel A , Sentamil Selvan S, Muthuraj K. and A. Nicodemus	<b>POSTER</b>
<b>1.23</b>	A MODIFIED PROTOCOL FOR EFFICIENT <i>IN VITRO</i> REGENERATION OF <i>BAMBUSA BAMBOS</i>	Kumari Priya, Ajay Thakur, Rama Kant and Shambhavi Yadav	<b>POSTER</b>
<b>1.24</b>	<i>IN VITRO</i> CONSERVATION OF IMPORTANT AND THREATENED FOREST GENETIC RESOURCES	Yashaswi Singh, Diksha Sharma, Priya Kumari, Shambhavi Yadav and Ajay Thakur	<b>POSTER</b>
<b>1.25</b>	IMPORTANCE OF <i>IN VITRO</i> PROPAGATION FOR LARGE SCALE PRODUCTION OF SOME IMPORTANT BAMBOO SPECIES AVAILABLE IN NORTH EAST INDIA	Bhuyan T, Khanikar R, and Bordoloi N	<b>POSTER</b>
<b>1.27</b>	<i>IN VITRO</i> PLANTLET DEVELOPMENT AND <i>EX VITRO</i> ESTABLISHMENT OF <i>DENDROBIUM MACROSTACHYUM</i> LINDL	Sushant Arade, Almas Khannam and T. S. Rathore	<b>POSTER</b>
<b>1.28</b>	ADVENTITIOUS SHOOT REGENERATION FROM LEAF SEGMENTS OF <i>GARCINIA INDICA</i> CHOISY- AN ENDANGERED, MEDICINALLY IMPORTANT TREE SPECIES OF WESTERN GHATS OF INDIA	Almas Khannam, T.S. Rathore, P.V. Somashekar, Sushant Arade and Raghavendar G	<b>POSTER</b>
<b>1.31</b>	<i>IN VITRO</i> PROPAGATION OF VIRUS TESTED STRAWBERRY ( <i>FRAGARIA ANANASSA</i> DUCH.) CV. SWEET CHARLIE	Aayushee Thakur, A.K. Nath and Kanika Thakur	<b>POSTER</b>
<b>1.32</b>	<i>IN VITRO</i> CLONING AND TEST OF CLONAL FIDELITY IN STEVIA ( <i>STEVIA REBAUDIANA</i> BERT.)	Arpita Das, Sudip Bhattacharya, Sukanta Pal and Nirmal Mandal	<b>POSTER</b>
<b>1.33</b>	EFFECT OF DIFFERENT CONCENTRATION OF ACETOSYRINGONE ON SELECTION OF EXPLANT	Jharna Srivastava and Ashwani Kumar	<b>POSTER</b>
<b>1.35</b>	SHOOT REGENERATION THROUGH CALLUS AND COMPARATIVE MICROMORPHOLOGICAL STUDIES OF <i>FARSETIA MACRANTHA</i> BLATT. & HALLB.: AN ENDEMIC PLANT OF THE INDIAN THAR DESERT	Dheeraj Choudhary, Vinod Kataria and N.S. Shekhawat	<b>POSTER</b>
<b>1.36</b>	HISTOLOGICAL INVESTIGATIONS DURING <i>IN VITRO</i> ADVENTITIOUS SHOOT REGENERATION IN LEAFLET EXPLANTS FROM NODAL SEGMENTS OF A MATURE TREE OF <i>ALBIZIA PROCERA</i> BENTH	Ekta Rai and Shamim Akhtar Ansari	<b>POSTER</b>
<b>1.37</b>	<i>IN VITRO</i> REGENERATION OF YAM SPECIES CROSSING ( <i>DIOSCOREA ROTUNDATA</i> AND <i>DIOSCOREA BULBIFERA</i> ) THROUGH OVULE CULTURE	Himanshu Saini and Timothy Adeleke	<b>POSTER</b>
<b>1.39</b>	FAST AND EASY STEPS FOR MICROPROPAGATION OF <i>BAMBUSA WAMIN</i> CAMUS THROUGH LIQUID CULTURE	Papori Phukan Borpuzari	<b>POSTER</b>

1.41	LARGE SCALE MULTIPLICATION OF FAST GROWING AND HIGH PULP YIELD INDIGENOUS <i>MELIA DUBIA</i> CAV. CLONE THROUGH <i>IN VITRO</i> AND <i>IN VIVO</i> PROPAGATION	R. Seenivasan, P. Chezhan, C. Malaimuthu and K. Jayakumar	POSTER
1.42	EFFECT OF NANO-SILVER ON SURFACE STERILIZATION OF <i>BAMBUSA VENTRICOSA</i>	Shivika Agarwal, Nidhi Mishra and Arvind Arya	POSTER
1.43	PLANT TISSUE CULTURE: AN ALTERNATE APPROACH FOR PLANT PROPAGATION, CONSERVATION AND SUSTAINABLE UTILIZATION	Naseem Ahmad	POSTER
1.44	44 CHANGE IN ROOT ARCHITECTURE IN PEARL MILLET VARIETY IN RESPONSE TO PHOSPHORUS DEFICIENCY	Sushila kumari, S. Sundaramoorthy and Santosh Kumar Mehar	POSTER
1.45	APPLICATION OF DIGITAL IMAGE ANALYSIS FOR NONINVASIVE ASSESSMENT OF PLANT HEALTH STATUS	Avinash Agarwal and Snehasish Dutta Gupta	POSTER
1.46	REGENERATION OF ROOTS AND SHOOTS IN <i>BAMBUSA VULGARIS</i> VAR. GREEN INFLUENCED BY PLANT GROWTH REGULATORS UNDER <i>IN VITRO</i> CONDITIONS	Pramod Kumar, Deepti Bhadrawale, Jay Prakash Mishra and P.K. Rana	POSTER
1.47	MICROPROPAGATION OF <i>BAMBUSA NUTANS</i> – AN IMPORTANT BAMBOO SPECIES OF ASSAM	Satyam Bordoloi, J. Kachari, Bebija L. Singha, P.B. Goswami and P. Saikia	POSTER
1.48	INFLUENCE OF DIFFERENT THIADIAZURON DOSES AND EXPOSURE DURATIONS ON NODAL EXPLANTS FOR ENHANCED SHOOT MULTIPLICATION AND EFFICIENT ESTABLISHMENT OF REGENERANTS DURING ACCLIMATIZATION PHASE IN <i>TECOMA STANS</i> L	Sheikh Altaf Hussain, Naseem Ahmad and Mohammad Anis	POSTER
1.49	OPTIMUM 6-BAP CONCENTRATIONS FOR <i>IN VITRO</i> MULTIPLICATION AND CALLI FORMATION OF <i>AZADIRACHTA INDICA</i> GENOTYPES	Sonalika Roy, Ajay Thakur, Ashok Kumar and Shambhavi Yadav	POSTER
1.50	MACHINE VISION BASED EVALUATION OF SHOOT REGENERATION IN <i>SWERTIA CHIRATA</i> UNDER LED LIGHTING	S. Dutta Gupta and A. Karmakar	POSTER
1.51	ISOLATION AND IDENTIFICATION OF QUERCETIN AND LUTEOLIN FROM <i>MERREMIA AEGYPTIA</i> AND <i>MERREMIA DISSECTA</i> <i>IN VITRO</i> AND <i>IN VIVO</i>	Ridhi Joshi and Vidya Patni	POSTER
1.52	COMPARISON OF RESPONSIVENESS FOR SOMATIC EMBRYOGENESIS FROM EXPLANTS DERIVED FROM TISSUE CULTURE-RAISED PLANTS V/S SEED-RAISED PLANTS OF <i>COMMIPHORA WIGHTII</i> (GUGGAL)	Shobha Mehra, Ashok Kumar Parmar and Tarun Kant	POSTER

Theme II			
Molecular Genetics, Genetic Diversity & Genomics			
Sr. No.	Abstract Title	Author(s)	Mode of Presentation
2.1	DRAFT GENOME SEQUENCE OF HALOPHYTE ORYZA COARCTATA	Tapan Kumar Mondal	ORAL
2.2	GPCB1 (GRAIN PROTEIN CONTENT B1), A NAC TRANSCRIPTION FACTOR: CHARACTERIZATION UNDER TERMINAL HEAT STRESS IN WHEAT ( <i>TRITICUM AESTIVUM</i> L.)	Sougata Bhattacharya, Sushma Khomdram and Sharmistha Barthakur	ORAL

2.7	STUDY OF REGULATION OF PUNGENCY BIOSYNTHETIC GENES IN DIFFERENT CAPSICUM SPECIES	Amita Kush Mehrotra and Nirala Ramchiary	ORAL
L1	EFFECT OF GENOTYPE ON INDUCTION OF SHOOT REGENERATION IN COTYLEDONS OF THE OIL-SEED CROP SESAMUM INDICUM L.	Masochon Zimik and Neelakantan Arumugam	ORAL
2.12	<i>BJHO1</i> EXPRESSION UNDER METAL INDUCED OXIDATIVE STRESS AND ITS MITOCHONDRIAL-CHLOROPLAST SUBCELLULAR LOCALIZATION IN <i>B. JUNCEA</i>	G.S. Shekhawat	ORAL
2.26	CHARACTERIZATION OF FOUR SPECIES OF CASUARINA AND VALIDATION OF THEIR INTERSPECIFIC HYBRIDS USING ESTSSR MARKERS	A. Pauldasan, P. Vipin, A. Durai and A. Nicodemus	ORAL
2.28	GENETIC DIVERSITY AND POPULATION STRUCTURE ANALYSIS IN <i>SIMAROUBA GLAUCA</i> DC. (AN IMPORTANT BIO-ENERGY CROP) EMPLOYING ISSR AND SRAP MARKERS	Jatin Kumar and Veena Agrawal	ORAL
2.50	COMPARATIVE ANALYSIS OF ORGANISATION, EVOLUTIONARY HISTORY AND FUNCTION OF REGULATORY ELEMENTS: INSIGHTS GAINED FROM BRASSICACEAE	Sandip Das	ORAL
2.3	FUNCTIONAL EVALUATION OF A MULTIPLE STRESS INDUCIBLE METALLOTHIONEIN GENE AND ITS PROMOTER FROM NATURALLY SALT TOLERANT RICE	Rohit Joshi, Sneha L. Singla-Pareek and Ashwani Pareek	POSTER
2.4	MORPHO-PHYSIOLOGICAL AND BIOCHEMICAL DIFFERENCES BETWEEN TOLERANT AND SENSITIVE RICE GENOTYPES IN RESPONSE TO SALINITY	Nita Lakra, Sneha L Singla-Pareek and Ashwani Pareek	POSTER
2.5	IMPACT OF GENE DUPLICATION ON THE REGULATION OF PARALOGOUS GENES, <i>KCS5</i> AND <i>KCS6</i> , INVOLVED IN CUTICULAR WAX BIOSYNTHESIS	Swati Singh, R. Geeta and Sandip Das	POSTER
2.6	FUNCTIONAL CONSERVATION AND DIVERSIFICATION OF MIR319 PROMOTER HOMOLOGS IN <i>BRASSICA JUNCEA</i>	Gauri Joshi, Chetan Chauhan and Sandip Das	POSTER
2.8	GENOME-WIDE ANALYSIS OF SODIUM PROTON ANTI-PORTERS (NHX), EXCHANGER (NHE) HOMOLOGS AND POTASSIUM PORTERS IN <i>SORGHUM BICOLOR</i>	S. Anil Kumar, P. Hima Kumari and P.B. Kavi Kishor	POSTER
2.9	<i>DE NOVO</i> ASSEMBLY AND CHARACTERIZATION OF ROOT TRANSCRIPTOME IN TWO DISTINCT MORPHOTYPES OF VETIVER, <i>CHRYSOPOGON ZIZANIODES</i> (L.) ROBERTY	Abhishek Singh Chauhan, Yuvraj Indoliya and Debasis Chakrabarty	POSTER
2.10	EXPLORING THE GENOME WIDE REGULATORY NETWORKS OF <i>ARABIDOPSIS</i> PLANTS OVER-EXPRESSING <i>OsgSTU</i> SHOWING DIFFERENTIAL TOLERANCE TO ABIOTIC STRESSES	Dipali Srivastava, Giti Verma, Veena Pande and Debasis Chakrabarty	POSTER
2.11	MODULATION OF NITRIC-OXIDE MEDIATED PLANT ADAPTIVE RESPONSES DURING ARSENIC STRESS IN RICE	P.K. Singh, R.D. Tripathi and D. Chakrabarty	POSTER
2.13	THE DEVELOPMENTAL ROLE OF METACASPASES IN THE SOLANACEOUS PLANTS	Maitri Trivedi, Nehal Dubey, Vishal Vyas and Sunil Kumar Singh	POSTER
2.14	ANALYSIS OF THE EPICUTICULAR WAX COMPOSITION IN SELECTED <i>BRASSICA</i> SPP	Komal Chaudhary, Girish Mishra and Priya Panjabi	POSTER
2.15	AGROMORPHOLOGICAL AND METABOLOMICS BASED GRAIN QUALITY CHARACTERIZATION OF TRADITIONAL RICE VARIETIES	Jhansi Narmada Reddy Kotamreddy, Monica Barman and Adinpunya Mitra	POSTER

2.16	DE NOVO TRANSCRIPTOME AND METABOLOME ANALYSIS IN <i>PANDANUS ODORIFER</i> L. REVEALS THE KEY ROLE OF ASPARAGINE SYNTHETASE IN RESPONSE TO HIGH SALINITY	Deo Rashmi, Vitthal T. Barvkar, Altafhusain Nadaf, Swapnil Mundhe and Narendra Y. Kadoo	POSTER
2.17	ASSESSMENT OF MORPHOMETRIC VARIATION AND GENETIC DIVERSITY OF CRITICALLY ENDANGERED MAIDA CHAAL ( <i>LITSEA GLUTINOSA</i> LOUR.) IN CENTRAL INDIA	Naseer Mohammad, Ankur Dahayat and Yogesh Pardhi	POSTER
2.18	MOLECULAR MARKER (SCOT AND ISSR) BASED GENETIC DIVERSITY STUDIES IN <i>LAWSONIA INERMIS</i>	Rajwant K. Kalia, S. K. Singh, Sidhika Chhajer, Rakesh Pathak and R.K. Bhatt	POSTER
2.19	SEQUENCE-RELATED AMPLIFIED POLYMORPHISM TO STUDY THE EXTENT OF GENOMIC VARIABILITY AMONG THE NEOPOLYPLOIDS OF <i>VIGNA MUNGO</i> (L.) HEPPEL	Daniel Regie Wahlang, Satyawada Rama Rao and Shailendra Goel	POSTER
2.20	GENETIC DIVERSITY ANALYSIS BY ISSR MARKERS IN CANDIDATE PLUS TREES OF <i>TECOMELLA UNDULATA</i>	Desha Meena, Tarun Kant, Aastha Sharma and Anil Singh	POSTER
2.21	ASSESSMENT OF GENETIC DIVERSITY IN <i>PROSOPIS CINERARIA</i> (KHEJRI) POPULATIONS OF RAJASTHAN USING RAPD MARKERS	Tarun Kant, Ashok Parmar, Mohammad Shoyab, Atif Iqbal and Nitish Dave	POSTER
2.22	EVALUATION OF GENETIC DIVERSITY IN <i>PROSOPIS CINERARIA</i> , A MULTIPURPOSE TREE SPECIES OF INDIAN THAR DESERT USING CBPD MARKERS	Jatan K. Shekhawat, Manoj K. Rai, Vinod Kataria and N.S. Shekhawat	POSTER
2.23	MOLECULAR MARKER BASED CLONALITY ASSESSMENT OF MICROPROPAGATED <i>BAUHINIA RACEMOSA</i> L. KARST.: A MEDICINAL LEGUMINOUS TREE	Udit Sharma, N.S. Shekhawat and Vinod Kataria	POSTER
2.24	INTER SIMPLE SEQUENCE REPEATS (ISSR) MARKER BASED FINGERPRINTING IN <i>PTEROCARPUS SANTALINUS</i> . L (RED SANDERS)	V. Sandhya, Maheshwar Hegde and R. Yasodha	POSTER
2.25	MOLECULAR CHARACTERIZATION OF BIOTYPES OF THE WILD INDIGENOUS SPECIES OF APPLE <i>MALUS BACCATA</i> (CRAB APPLE) AND <i>M. SIKKIMENSIS</i> USING SSR MARKERS	Vikrant and Manju Modgil	POSTER
2.27	MOLECULAR ANALYSIS OF WHITE ROOT ROT RESISTANT SOMACLONES OF MALLING 7 AND SUSCEPTIBLE GENOTYPES OF APPLE	Purnima Chauhan, Arjun Chauhan, Vikrant and Manju Modgil	POSTER
2.29	29 EVALUATION OF ANTIOXIDANT DEFENSE SYSTEM AND ROLE OF NITRATE REDUCTASE IN ALLEVIATION OF NaCl INDUCED OXIDATIVE STRESS IN SEEDLING OF <i>BRASSICA JUNCEA</i> (L.) CZERN	Khushboo Khator, Lovely Mahawar, Neha Bulchandani and G.S. Shekhawat	POSTER
2.30	DIFFERENTIAL PHYSIO-CHEMICAL RESPONSES AND GENE EXPRESSION PROFILES IN <i>KAPPAPHYCUS ALVAREZII</i> (DOTY) DOTY EX SILVA- A SEARCH FOR POTENTIAL CANDIDATE GENES TO DEVELOP CLIMATE RESILIENT CROPS	Kusum Khatri and Mangal S. Rathore	POSTER
2.31	ROLE OF HEME OXYGENASE 1 IN AMELIORATING CADMIUM INDUCED OXIDATIVE STRESS IN SEEDLINGS OF <i>ERUCA SATIVA</i> : AN UNDERUTILIZED CROP OF INDIAN THAR DESERT	Lovely Mahawar and G.S. Shekhawat	POSTER
2.32	GENOME WIDE ANALYSIS OF OVATE FAMILY PROTEINS (OFPS)	Nishu, Meenakshi	POSTER

	IN SELECTED MEMBERS OF BRASSICACEAE	Dangwal and Sandip Das	
<b>2.33</b>	EVALUATION OF PEACH ( <i>PRUNUS PERSICA</i> ) GERMPLASM USING ARBITRARY OLIGONUCLEOTIDE ISSR MARKERS	Parul Sharma and Rajnish Sharma	<b>POSTER</b>
<b>2.34</b>	DIFFERENTIAL METHYLATION PATTERN OF RETROTRANSPOSONS ASSOCIATED WITH APOMIXIS IN <i>CENCHRUS CILIARIS</i>	Priyanka Rathore, Suresh kumar and Vishnu Bhat	<b>POSTER</b>
<b>2.35</b>	GENETIC DIVERSITY AND GENETIC STRUCTURE OF BEN TEAK ( <i>LAGERSTROEMIA LANCEOLATE</i> L.) IN SOUTHERN INDIA REVEALED BY ISSR AND UNIVERSAL SSR MARKERS	Tanzeem Fatima, Ashutosh Srivastava and P.V. Somashekar	<b>POSTER</b>
<b>2.36</b>	ASSESSMENT OF GENETIC FIDELITY OF ENCAPSULATED MICROSHOOTS OF <i>TYLOPHORA INDICA</i>	Aakriti Bhandari and J.M.S. Chauhan	<b>POSTER</b>
<b>2.37</b>	GENETIC DIVERSITY ASSESSMENT AMONG HALF SIB FAMILIES OF <i>MELIA DUBIA</i> BY USING MICROSATELLITE MARKER	Aditya Kumar	<b>POSTER</b>
<b>2.38</b>	GENETIC VARIABILITY AND HERITABILITY STUDIES FOR YIELD AND QUALITY TRAITS OF SELECTED RED TAMARIND CLONES	Mayavel A., Muthuraj K., Nagarajan B. and A. Nicodemus	<b>POSTER</b>
<b>2.39</b>	EVALUATION OF POPULATION STATUS AND GENETIC VARIABILITY IN AN IMPORTANT HIMALAYAN OAK, <i>QUERCUS SEMECARPIFOLIA</i> SM., IN UTTARAKHAND	Balwant Singh Rawat	<b>POSTER</b>
<b>2.40</b>	COMPARISON OF GENETIC DIVERSITY AMONG SELECTED PLANTATIONS AND NATURAL POPULATIONS OF RED SANDERS ( <i>PTEROCARPUS SANTALINUS</i> L. F.) IN TAMIL NADU AND ANDHRA PRADESH	Maheshwar Hegde, K. Suresh, R. Yasodha and V. Sandhya	<b>POSTER</b>
<b>2.41</b>	CROSS-SPECIES TRANSFERABILITY OF SSR MARKERS IN <i>POPULUS GAMBLEI</i> - AN INDIGENOUS TREE SPECIES OF NORTHEAST INDIA	M. Ibrahim, Ritashree K Dutta, Girija Gautam, Nitamoni Bordoloi and S. Bordoloi	<b>POSTER</b>
<b>2.42</b>	DEVELOPING MOLECULAR BIOLOGY AMICABLE HYDROPONIC SYSTEM FOR <i>PROSOPIS JULIFLORA</i> AND <i>SALVADORA PERSICA</i> - TWO IMPORTANT HALOPHYTES OF ARID REGION	Mohammad Shoyab, Atif Iqbal, Nitish Dave and Tarun Kant	<b>POSTER</b>
<b>2.43</b>	EXTRACTION OF GENOMIC DNA FROM <i>MADHUCA INDICA</i> LEAVES USING FOUR DIFFERENT METHODS	Fatima Shirin, Sonam Singh Baghel, Nidhi Mehta, Deepti Bhadrawale, Jay Prakash Mishra, Ankur Dahayat and Naseer Mohammad	<b>POSTER</b>
<b>2.44</b>	ISOLATION OF GENOMIC DNA FROM FOREST TREE SPECIES WITHOUT LIQUID NITROGEN	Girija Gautam, Nitamoni Bordoloi, Tara Bhuyan and M. Ibrahim	<b>POSTER</b>
<b>2.45</b>	CHEMO-PROFILING BASED SELECTION OF ELITE GERMPLASM OF <i>SOLANUM INDICUM</i> – A RARE SPECIES IN MADHYA PRADESH	Hari Om Saxena, Ganesh and Santosh Kumar Choubey	<b>POSTER</b>
<b>2.46</b>	MORPHOLOGICAL AND PHYSIOLOGICAL CHARACTERIZATION OF MALE AND FEMALE <i>AILANTHUS EXCELSA</i> ROXB TREES	Shabnam Bano, Lovelesh Singh Saini, Priya E, Meena Choudhary and U.K. Tomar	<b>POSTER</b>

2.47	EFFECT OF SEASON AND GENOTYPE ON VIABLE SEED PRODUCTION OF <i>COMMIPHORA WIGHTII</i> (Arnott) BHANDARI	Meena Choudhary, Lovelesh Singh Saini, Shabnam Bano and U.K. Tomar	POSTER
2.48	NaCl TOLERANCE ANALYSES OF <i>HALOXYLON RECURVUM</i> AND <i>H. SALICORNICUM</i> : PLANTS OF SALINE AND DROUGHT HABITATS	Deepak Krishna Vyas and Harchand R. Dagla	POSTER
2.49	ROLE OF EPIGENETICS AND PROTEASOMAL PATHWAY GENE(S) IN COMBATING VIRUS INFECTION IN PLANTS	Manoj Prasad	POSTER
2.51	STOMATAL VARIATION, GAS EXCHANGE AND WATER USE EFFICIENCY OF SIX <i>EUCALYPTUS</i> CLONES	Romeet Saha, Santan Barthwal	POSTER
2.52	GENETIC VARIATIONS AMONG CALLI OF DIFFERENT GENOTYPES OF <i>DALBERGIA SISSOO</i>	Yashaswi Singh, Ajay Thakur, N.S.K. Harsh and V.K. Varshney	POSTER
2.53	GENETIC APPROACHES TOWARDS IDENTIFICATION OF LOCUS CONFERRING RESISTANCE TO WHITE RUST PATHOGEN IN <i>BRASSICA RAPA</i>	Ajay Kumar, DivakarNandan, Namrata Dhaka, Akshay K Pradhan, Deepak Pental and Priya Panjabi	POSTER
2.54	SEQUENCE AND FUNCTIONAL CHARACTERIZATION OF <i>MIRNA164-NAC</i> REGULATORY MODULE IN POLYPLOID GENOMES OF <i>BRASSICA</i>	Aditi Jain, Anandita Singh and Sandip Das	POSTER

Theme III			
Genetic Modification & Climate Change Resilient Plants			
Sr. No.	Abstract Title	Author(s)	Mode of Presentation
3.1	EFFECTS OF SILENCING AND OVER-EXPRESSION OF A R2R3MYB, <i>ATMYB32</i> IN <i>ARABIDOPSIS THALIANA</i>	Mukund Lal, Saurabh Anand and Sandip Das	ORAL
3.2	REGULATORY MECHANISM OF SALINITY STRESS RESPONSE IN PEARL MILLET ( <i>PENNISETUM GLAUCUM</i> (L.) R. BR.) GENOTYPES	Shweta Jha, Jawahar Singh and Chaya Chouhan	ORAL
3.3	ARTIFICIAL MICRO RNA-DIRECTED GENE SILENCING: A NOVEL STRATEGY FOR ENGINEERING INSECT RESISTANT CROP PLANTS	Sneha Yogindran and Rajam M. V	ORAL
3.7	ARSENIC AND RICE: DEVELOPMENT OF CROP VARIETIES SAFER FOR FARMING IN ARSENIC-CONTAMINATED ENVIRONMENTS	Debasis Chakrabarty	ORAL
3.12	CLIMATE CHANGE AND ROLE OF BIOTECHNOLOGY: NEXT GENERATION BIOFUELS AND CLIMATE PROTECTION	Ashwani Kumar	ORAL
3.13	ADVENTITIOUS SHOOT FORMATION FROM <i>IN VITRO</i> LEAVES OF APPLE ROOTSTOCK M793 AND GENETIC TRANSFORMATION WITH <i>ROL B</i> GENE FOR IMPROVED ROOTING ABILITY	Modgil M, Sharma M, Negi N, Soni M and M.V. Rajam	ORAL
3.4	A NUCLEAR LOCALIZED SK2 TYPE DEHYDRIN, <i>OSDHN-RAB16D</i> INVOLVE IN ABA MEDIATED OSMOTIC AND DROUGHT TOLERANCE IN RICE	Tiwari Poonam, Indoliya Yuvraj, Pande Veena and Chakrabarty Debasis	POSTER



3.5	ANALYSIS OF NON- CANONICALLY ARRANGED MIR GENES AND ASSOCIATED CIS-ELEMENTS IN A. THALIANA AND SELECTED MEMBERS OF BRASSICACEAE	Ekta Bhardwaj, Priyanka Rathore and Sandip Das	POSTER
3.6	TRANSGENIC <i>ARABIDOPSIS THALIANA</i> EXPRESSING CLASS III PEROXIDASE ( <i>OsPRX</i> ) OF <i>ORYZA SATIVA</i> L. ENHANCED THE ABIOTIC TOLERANCE BY MODULATING THE ANTIOXIDANT DEFENSE SYSTEM	Maria Kidwai, Neelam Gautam, Madhu Tiwari, Iffat Zareen Ahmad and Debasis Chakrabarty	POSTER
3.8	RICE METALLOTHIONEIN CLASS-1 GENE CONFERS HEAVY METAL STRESS TOLERANCE IN YEAST CUP MUTANT (DTY4) AND IN TRANSGENIC <i>ARABIDOPSIS</i>	Neelam Gautam, Madhu Tiwari, Maria Kidwai and Debasis Chakrabarty	POSTER
3.9	DIRECT INTERACTION OF VIRE2 AND A HOST PROTEIN IN RICE ACT AS MOLECULAR BARRIER OF T-DNA NUCLEAR IMPORT DURING <i>AGROBACTERIUM</i> -MEDIATED TRANSFORMATION	Madhu Tiwari, Maria Kidwai, Neelam, Arun Kumar Mishra and Debasis Chakrabarty	POSTER
3.1	STUDIES ON THE EFFECT OF ACETOSYRINGONE ON THE TRANSFORMATION FREQUENCY OF TOMATO	Poornima Sharma and D.K. Srivastava	POSTER
3.11	EVIDENCE OF DIFFERENTIAL EXPRESSION AND EFFICACY OF A <i>CRTDC+CRSTR</i> GENE CONSTRUCT IN PUSHING THE METABOLIC FLUX TOWARDS TERPENOID INDOLE ALKALOIDS SYNTHESIS AT THREE LEVELS OF CELLULAR DIFFERENTIATION IN <i>CATHARANTHUS ROSEUS</i> .	Abhishek Sharma, Priyanka Verma, Neha Verma, Archana Mathur and Ajay Kumar Mathur	POSTER
3.14	ENGINEERING FUNGAL RESISTANCE IN GROUNDNUT ( <i>ARACHIS HYPOGAEA</i> )	Rama Swamy Nanna and Rajinikanth Marka	POSTER
3.15	EFFECTS ASSOCIATED WITH INSERTION OF <i>cryptogein</i> GENE ON MORPHOLOGY AND SECONDARY METABOLITES IN COTRANSFORMED ROOTS AND PLANTS OF <i>TYLOPHORA INDICA</i> BURM. F. MERRILL	Amrita Basu, Ipshita Ghosh, Raj Kumar Joshi, Sumita Jha, Dipasree Roychowdhury	POSTER
3.16	MOLECULAR CHARACTERIZATION OF POTENTIAL CANDIDATE GENES FOR DEVELOPMENT OF CLIMATE RESILIENT CROPS FOR IMPROVED PHOTOSYNTHESIS AND BIOMASS	Mangal S. Rathore, Sweta K. Yadav, Md Intesaful Haque and Bhavanath Jha	POSTER
3.17	EFFECT OF STERILIZING AGENTS AND EXPLANT TYPES ON CALLUS INDUCTION FOR <i>AGROBACTERIUM</i> -MEDIATED TRANSFORMATION OF <i>AZADIRACHTA INDICA</i> A. JUSS	Atif Iqbal, Nitish Dave, Mohammad Shoyab, Sarita Arya and Tarun Kant	POSTER
3.18	OPTIMIZATION OF <i>IN VITRO</i> CULTURE CONDITIONS FOR <i>AGROBACTERIUM</i> -MEDIATED TRANSFORMATION OF <i>AZADIRACHTA INDICA</i> A. JUSS (NEEM) FROM LEAF-DERIVED CALLUS	Nitish Dave, Atif Iqbal, U.K. Tomar and Tarun Kant	POSTER
3.19	ADVANCES IN GENETIC TRANSFORMATION OF OKRA ( <i>ABELMOSCHUS ESCULENTUS</i> L. MOENCH) FOR INSECT RESISTANCE (SHOOT AND FRUIT BORER <i>EARIAS VITTELLA</i> )	Satish Deole, Shoeb Quadri, Sanjeev Padakipatil, Sandhya S.R., Ratnapal Gandhi, Murlidhar Jadhav, Pankaj Bihani, Srinivas Parimi, and Narendran M., Bharat R. Char and Usha Zehr	POSTER

Theme IV			
Cell Culture and Secondary Metabolites			
Sr. No.	Abstract Title	Author(s)	Mode of Presentation
4.2	IN VITRO ELUCIDATION OF ANTI- TUMOROUS ACTIVITY, ISOLATION AND ELICITATION OF BIOACTIVE COMPOUNDS FROM <i>CULLEN CORYLIFOLIUM</i> : AN IMPORTANT MEDICINAL HERB	Veena Agrawal and Himanshi Kapoor	ORAL
4.3	IN VITRO MICROPROPAGATION AND ELICITATION OF PLUMBAGIN BIOACTIVE COMPOUND IN ROOT CALLUS OF CHITRAK ( <i>PLUMBAGO ZEYLANICA</i> L.) - AN IMPORTANT MEDICINAL HERB	Tikkam Singh, Upasana Sharma and Veena Agrawal	ORAL
4.7	REGENERATION THROUGH SOMATIC EMBRYOS INDUCED FROM MATURE COTYLEDON OF <i>CLITORIA TERNATEA</i> (L.): AN IMPORTANT MEDHYA RASAYAN PLANT	Pradeep Kumar, Jyoti Dixit and Kavindra Nath Tiwari	ORAL
4.9	PLANT SECONDARY METABOLITE MEDIATED SYNTHESIS OF GOLD NANOPARTICLES FROM IN-VITRO REGENERATED LEAVES OF ENDANGERED MEDICINAL PLANT <i>SWERTIA CHIRATA</i>	Nirlipta Saha and S. Dutta Gupta	ORAL
4.12	OPTIMIZATION OF CULTURE CONDITIONS IN BIOREACTOR FOR SCALE UP OF CELL BIOMASS IN LANTANA CAMARA L	Peeyushi Verma and Rakhi Chaturvedi	ORAL
4.21	ENHANCEMENT OF PLUMBAGIN USING BIOTIC ELICITORS IN SHOOT CULTURES OF <i>PLUMBAGO ZEYLANICA</i> L	Prachi S. Kakade, Saurabha B. Zimare and Nutan P. Malpathak	ORAL
4.28	EFFECT OF CdCl <sub>2</sub> ON IN VITRO SHOOT MULTIPLICATION IN <i>RAUVOLFIA SERPENTINA</i> L.: AN IMPORTANT MEDICINAL PLANT	Waqar Ahmad, Saad Bin Javed And Naseem Ahmad	ORAL
4.1	IN VITRO ELICITATION, ISOLATION AND CHARACTERIZATION OF CONESSINE BIOACTIVE MOLECULE USING GREEN BARK DERIVED CALLUS CULTURE OF <i>HOLARRHENA ANTIDYSENTERICA</i> (L.) WALL., AND BIOEFFICACY AGAINST MALARIA MOSQUITO VECTOR	Dinesh Kumar, Himanshu Saini and Veena Agrawal	POSTER
4.4	A STUDY ON THE EFFECT OF NUTRIENTS AND LIGHT ON THE GROWTH OF POTENTIALLY IMPORTANT LIVERWORT <i>WIESNERELLA DENUDATA</i> (MITT.) STEPH. (MARCHANTIOPHYTA)	Isha Pathak and A.K. Asthana	POSTER
4.5	SOMATIC EMBRYOGENESIS IN MANGO GINGER ( <i>CURCUMA AMADA</i> ROXB.): MOLECULAR VALIDATION BY SERK GENE EXPRESSION AND PLANTLET PRODUCTION THROUGH BIOREACTOR UP-SCALING	Sailendra Singh, Pallavi Pandey, Harshita Pandey and Suchitra Banerjee	POSTER
4.6	6 SILENCING OF QUINOLINIC ACID PHOSPHORIBOSYL TRANSFERASE ( <i>QPT</i> ) GENE FOR ENHANCED PRODUCTION OF SCOPOLAMINE IN HAIRY ROOT CULTURE OF <i>DUBOISIA LEICHHARDTII</i>	Pooja Singh, Ratnum Prasad, Rashi Tewari, Meraj Jaidi, Susheel Kumar P.K. Rout and Laiq ur Rahman	POSTER
4.8	TEMPERATURE, HUMIDITY AND PHOTOPERIOD INFLUENCE EMISSION OF FLORAL SCENT VOLATILES IN <i>JASMINUM AURICULATUM</i>	Monica Barman and Adinpunya Mitra	POSTER

4.10	ENHANCED ACCUMULATION OF XANTHONES IN ELICITED ROOT CULTURES OF <i>CANSCORA DECUSSATA</i> (ROXB.) ROEM. & SCHULT	Pritam Kumar Dey, Subhadip Mukherjee, Nitin K. Gaikwad and Adinpunya Mitra	POSTER
4.11	LOCALIZATION AND SPATIO-TEMPORAL EMISSION OF SCENT VOLATILES IN <i>POLIANTHES TUBEROSA</i> L. FLOWER	Adinpunya Mitra and Saborni Maiti	POSTER
4.13	THE EFFECTS OF DIFFERENT pH LEVEL AND CARBON SOURCES ON <i>IN-VITRO</i> SHOOT MULTIPLICATION OF <i>BARLERIA PRIONITIS</i> VAR. <i>DICANTHA</i>	Rakhi Singh, Kompal Arora, I.D. Arya, Ashok Gehlot, Meena Chodhury and Shipra Jaiswal	POSTER
4.14	<i>IN VITRO</i> REGENERATION, GENETIC STABILITY AND HPTLC DETERMINATION OF B-SITOSTEROL FROM <i>IN VIVO</i> AND <i>IN VITRO</i> PLANT PARTS OF <i>CELASTRUS PANICULATUS</i> WILLD	Rathod Dipika and Patel Illa	POSTER
4.15	EFFECTS OF DIFFERENT POTTING MEDIA FOR RESTOCKING OF <i>EMBELIA RIBES</i> BURM F. - A THREATENED MEDICINAL HIGH VALUE PLANT OF WESTERN GHATS	Sakshi Mishra, Ashutosh Srivastava, Almas Khannam, P. V. Somashekar and Pavan Kumar K	POSTER
4.16	PRODUCTION OF EMBELIN FROM CALLUS CULTURES OF <i>EMBELIA RIBES</i> - A THREATENED MEDICINAL PLANT	Tresa Hamalton and Janofer U	POSTER
4.17	EFFECT OF SOLVENT SYSTEM ON THE EXTRACTION OF PHENOLIC COMPOUNDS AND ANTIOXIDANT CAPACITY OF <i>GLORIOSA SUPERB</i> L	Amit Bahukhandi, Anjali Barola, I.D. Bhatt and R.S. Rawal	POSTER
4.18	VARIATION IN PHENOLIC CONTENT AND ANTIOXIDANT ACTIVITY IN THE DIFFERENT RIPENING STAGES OF <i>MYRICA ESCULENTA</i> FRUITS IN WEST HIMALAYA	Anjali Barola, R.S. Rawal and Ashish Tiwari	POSTER
4.19	<i>IN VITRO</i> BIOCHEMICAL CHARACTERIZATION AND EVALUATION OF NACL REGULATION ON CELL SUSPENSION CULTURES OF <i>STEVIA REBAUDIANA</i>	Neha Bulchandani and G.S. Shekhawat	POSTER
4.20	ENHANCED <i>IN- VITRO</i> REGENERATION IN LOW NUTRIENT LIQUID AND SOLID ROOT CULTURE OF <i>PLUMBAGO ROSEA</i> LINN. AN ANTICANCEROUS MEDICINAL PLANT	Papori Phukan Borpuzari	POSTER
4.22	ANTI-INFECTIVE POTENTIAL OF ENDOPHYTIC ACTINOMYCETES INHABITING MEDICINAL PLANT <i>SANTALUM ALBUM</i> L. FROM WESTERN GHATS OF INDIA	Soma Mondal, R. Sundararaj and H.C. Yashavantha Rao	POSTER
4.23	<i>IN VITRO</i> PROPAGATION, PHYTOCHEMICAL AND HPTLC ANALYSIS OF <i>IN VIVO</i> AND <i>IN VITRO</i> DEVELOPED TISSUES OF <i>PTEROCARPUS MARSUPIUM</i> (ROXB.)	Tank Nirali, Patel Babu and Patel Illa	POSTER
4.24	SOMATIC EMBRYOGENESIS AND PLANT REGENERATION IN <i>LEPTADENIA RETICULATA</i> (RETZ.) WIGHT. & ARN. - A THREATENED LIANA OF MEDICINAL VALUES	Ashok Kumar Patel and N.S. Shekhawat	POSTER
4.25	AN IMPROVED SHOOT AMPLIFICATION AND EX VITRO ROOTING METHOD FOR OFFSITE PROPAGATION OF <i>TINOSPORA CORDIFOLIA</i> (WILLD.) MIERS: A MULTI-VALUED MEDICINAL CLIMBER	Deepak Panwar, Ashok Kumar Patel and N.S. Shekhawat	POSTER
4.26	MICROPROPAGATION OF <i>VITEX NEGUNDO</i> L., A MEDICINAL AND AROMATIC WOODY SHRUB	Kheta Ram and N.S. Shekhawat	POSTER
4.27	<i>IN VITRO</i> PROPAGATION OF <i>BOERHAAVIA DIFFUSA</i> L. - AN ENDANGERED MEDICINAL PLANT	Suresh Chand, Ashu Pandey and Oshin Verma	POSTER

4.29	IMPROVED <i>IN VITRO</i> SHOOT MULTIPLICATION AND CALLUS FORMATION IN <i>GINKGO BILOBA</i>	J.M.S. Chauhan and Aakriti Bhandari	POSTER
4.30	<i>IN VITRO</i> MICROPROPAGATION OF A MEDICINAL HERB <i>ACORUS CALAMUS</i>	Rahul Rathore and Y.K. Bansal	POSTER
4.31	HISTOLOCALIZATION OF OIL CELLS RELATED TO ESSENTIAL OIL ACCUMULATION IN LEAF TISSUE OF THREE <i>CINNAMOMUM TAXA</i>	Sulagna Saha, Raktim Bhattacharya and Adinpunya Mitra	POSTER
4.32	ESTABLISHMENT OF EFFICIENT <i>IN VITRO</i> REGENERATION PROTOCOL OF <i>CARALLUMA EDULIS</i> : AN ENDANGERED AND ENDEMIC PLANT SPECIES OF RAJASTHAN	Suman Parihar	POSTER
4.33	BIO-EFFICACY OF SOME MEDICINAL PLANT EXTRACTS AGAINST <i>XANTHOMONAS AXONOPODIS</i> PV. <i>VESICATORIA</i> (DOIDGE) DYE CAUSING BACTERIAL LEAF SPOT IN CHILLI ( <i>CAPSICUM</i> SPP.)	D.K. Sharma	POSTER

Theme V			
Human Health and Industrial Biotechnological Applications and Technologies			
Sr. No.	Abstract Title	Author(s)	Mode of Presentation
5.1	VEGETATIVE PROPAGATION OF <i>AZADIRACHTA INDICA</i> (NEEM) PLANT THROUGH <i>DE NOVO</i> ADVENTITIOUS ROOT FORMATION IN DIFFERENT TYPES OF CUTTINGS	Ashok Gehlot, I.D. Arya, Sarita Arya, Meena Choudhary and Rakhi Singh	ORAL
5.2	DEVELOPMENT AND UTILIZATION OF EUCALYPTS HYBRID FOR INDUSTRIAL FARM FORESTRY PLANTATION IN SOUTH INDIA	R. Seenivasan, P. Chezhan and P.Selvakrishnan	ORAL
5.3	PLANT TISSUE CULTURE AND SUSTAINABLE LIVELIHOOD OPTIONS: FROM LAB TO LAND AND RESEARCH TO RUPEES	Vincent Braganza	ORAL
5.4	FSC CERTIFICATION IN INDIA FOR SUSTAINABLE FOREST MANAGEMENT, BIODIVERSITY CONSERVATION & ENVIRONMENTALLY BENEFICIAL: ROLE OF SARA	S.K. Sharma, M.P.S. Yadava	ORAL

Theme VI			
Biotechnology of Medicinal plants			
Sr. No.	Abstract Title	Author(s)	Mode of Presentation
6.1	SECONDARY METABOLITES FROM SELECTED HIMALAYAN MEDICINAL PLANTS	S.K. Nandi	ORAL
6.2	CONSERVATION, METABOLIC PROFILING AND EVALUATION OF ANTIOXIDANT POTENTIAL OF <i>SARCOSTEMMA ACIDUM</i> – AN ENDANGERED MEDICINAL PLANT OF SEMI-ARID ECOSYSTEM	Smita Shekhawat, Shruti Nindawat, Upasana Sharma, N.S. Shekhawat and Veena Agrawal	ORAL
6.6	OPTIMIZATION OF BIOACTIVE COMPOUNDS IN <i>STEVIA REBAUDIANA</i> THROUGH RHIZOSPHERE MICROBIOME ENGINEERING	Kilam D, Monica Saifi, Abdin M Z and Agnihotri A	ORAL
6.7	LOW COST SHOOT DIFFERENTIATION IN <i>ECLIPTA ALBA</i> (L.) HASSK. : <i>IN VITRO</i> BIOMASS AND SECONDARY METABOLITE PRODUCTION	Madhulika Singh	ORAL

6.9	IN VITRO PRODUCTION OF ANTHRAQUINONES THROUGH ADVENTITIOUS ROOT CULTURES OF <i>RUBIA CORDIFOLIA</i> L	E.A. Siril and Devipriya M	ORAL
6.14	EFFECT OF ELICITORS ON THE PRODUCTION OF STEROIDS IN <i>LYCIUM BARBARUM</i>	Sapna Tyagi	ORAL
6.3	ELICITATION STUDIES IN CELL SUSPENSION CULTURES OF <i>GLYCYRRHIZA GLABRA</i> L. AN ENDANGERED MEDICINAL PLANT	Neelima Rathi, Nagashree N Rao, Seema Dwivedi, I.D. Arya and Sarita Arya	POSTER
6.4	ESTABLISHMENT OF CELL SUSPENSION CULTURES OF <i>COMMIPHORA WIGHTII</i> (GUGGAL) FOR PRODUCTION OF IN VITRO NATURAL EXTRACT CONTAINING GUGGULSTERONES	Shobha Mehra, Ashok Kumar Parmar, U.K. Tomar and Tarun Kant	POSTER
6.5	IN VITRO PROPAGATION AND HAIRY ROOT INDUCTION IN <i>GMELINA ARBOREA</i>	R. Kalaiselvi, S. Suganthi and Rekha R Warriar	POSTER
6.8	IDENTIFICATION AND ISOLATION OF GRIFOLIN FROM CALLUS CULTURE OF <i>CAYRATIA TRIFOLIA</i>	Anari Patel, Pooja Patel, Chetana Roat and Rajani Nadgauda	POSTER
6.1	EXPLORING IN VIVO AND IN VITRO <i>OXALIS CORNICULATA</i> L. FOR PHYTOCHEMICALS USING NON-TARGETED LC-MS APPROACH AND ITS ANTIOXIDANT CAPACITY	Dhanashree Swami and Nutan P Malpathak	POSTER
6.11	EVALUATION OF ANTIPROLIFERATIVE ACTIVITY OF <i>NYCTANTHES ARBORTRISTIS</i> PLANT EXTRACTS ON LUNG CANCER CELL LINE	Priya Vyas and Vincent J. Braganza	POSTER
6.12	UTILITY OF PLANT GROWTH PROMOTING RHIZOBACTERIA (PGPRS) IN THE ENHANCEMENT OF 2-ACETYL-1-PYRROLINE CONTENT IN SCENTED RICE ( <i>ORYZA SATIVA</i> L.)	Harshal V. Dhondge, Syed G. Dastager, Vitthal T. Barvkar and Altafhusain B. Nadaf	POSTER
6.13	IN-VITRO STUDIES ON MULTIPLICATION AND IN-VITRO PLANT REGENERATION FROM CALLUS OF <i>LEPTADENIA RETICULATA</i>	Nisha Kanwar, Sarita Arya, Vinod Kataria and I.D. Arya	POSTER
6.15	BIOENGINEERING HAIRY ROOTS - A POTENTIAL APPROACH FOR AJMALICINE ENHANCEMENT	Pratima Bhagat, Sachin Kumar Verma, Sekhar Tiwari, Gajendra Kumar Aseri, Jagdeesssp Singh Sohal and Neeraj Khare	POSTER

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