

DAY: 2

Date :26.04.2023 (Wednesday)

Technical Session: 4

Title : Medicinal and Aromatic plants	Time : 10: 30 am to 5:00 pm	Venue: Academic Complex Building (IDA) Room No.6
Chairperson : Dr. Joydeep Baruah, Director ASTEC, Guwahati Co-Chairperson :Dr. Chandra Prakash Shukla Consultant (Collection / Compilation of Raw Material Data	Moderator 1. Dr. Pallabi Kalita, NIT, Arunachal Pradesh 2. Dr. Sangita Mahanta, Horticulture	Rapporteur : Dr. Bikash Hazarika, Deptt. Of Horticulture, AAU Dr. Pranjal Kaman, Department of Plant Pathology, AAU

Sl. No.	Topic	Affiliation	Mail id	Mode
1.	DRUG DISCOVERY IN MEDICINAL PLANT	DR. Garikapati Narahari Sastry Director of the North East Institute of Science and Technology, Jorhat	gnsastry@gmail.com;	Keynote
2.	EUPHORBIA NERIIFOLIA LEAF JUICE ON MILD AND MODERATE COVID-19 PATIENTS: IMPLICATIONS IN OMICRON ERA	Prof, Mamun Al Mahtab BAU, Bangladesh	shwapnil@agni.com	Key note
3.	THE FUTURE OF HIGH-VALUE MEDICINAL & AROMATIC PLANTS	Dr. Manish Das, Director ICAR-Directorate of Medicinal and Aromatic Plants Research Boriavi-387310, Anand, Gujarat	manishdas50@gmail.com	Key note

4.	PLANTS IN THE TRIBAL LIFE OF ARUNACHAL PRADESH (INDIA) WITH EMPHASIS ON TANGSA COMMUNITY	Abhaya Prasad Das and PyonimLungphi, Department of Botany, Rajiv Gandhi University, Rono Hills, Doimukh – 791112, Arunachal Pradesh, India	apdasrgu@gmail.com ; lunghipyonim@gmail.com ,	Lead
5.	CONSERVATION PRACTICE OF WILD EDIBLE PLANTS IN NATIONAL BOTANICAL GARDEN, NEPAL	Dipak Lamichhane ¹ , Rashika Kafle ¹ , Gaurav Parmar ¹ and Jeevan Pandey ¹ National Botanical Garden, Godawari, Lalitpur, Nepal	dipak_lmn@yahoo.com	Lead
6.	MEDICINAL PLANTS OF ARUNACHAL HIMALAYAS: CONSERVATION AND COMMERCIAL PROSPECTS	Prof. Hui Tag Department of Botany Rajiv Gandhi University, Rono Hills, Doimukh-791112, Itanagar, Arunachal Pradesh, India.	hui.tag@rgu.ac.in /huitag2008rgu@gmail.com	Invited
7.	HOUTTUYNIA CORDATA THUNB.: A TRADITIONAL NUTRACEUTICAL HERB OF NORTH EAST INDIA	Dr. Pallabi Kalita Hui, Department of Biotechnology, NIT Arunachal Pradesh, Jote-791113, District: Papum pare, Arunachal Pradesh	pallabi2008rgu@gmail.com	Invited
8.	WILD EDIBLE PLANTS OF KYONJOSOM RURAL MUNICIPALITY, LALITPUR DISTRICT, CENTRAL NEPAL	Ratna SilwalGautam ¹ , Sudha Joshi Shrestha ^{2*} , Ila Shrestha ³ ^{1,2,3} Department of Botany, Patan Multiple Campus, PatanDhoka, Lalitpur	¹ silwalratna@gmail.com ; ² sudhashresthajoshi@gmail.com ; ³ shrestha_ila@yahoo.com	Invited
9.	PHYTOCHEMICAL CONSTITUENTS AND NUTRITIONAL POTENTIAL OF TRIBAL FOOD- KENDU	<u>BinataNayak</u> ^{1*} , ShwetaParida ² , Baisali Patel ³ ^{1*} , ³ School of Life Sciences, Sambalpur University, Burla-768019, Odisha,India ² Dept. of FSTN, Sambalpur	binata.bga@gmail.com l.com	Oral

		University, Burla-768019, Odisha, India		
10	CURING DIFFERENT DISEASES USING HERBAL MEDICINE AND THEIR MODERN BIOACTIVE COMPONENTS	*T. Sivakumar ^{1,2} 1.Department of Botany, Annamalai University, Annamalai Nagar-608 002, Tamil Nadu, India. 2.Department of Botany, Thiru A. Govindasamy Govt. Arts College, Tindivanam, Tamilnadu, India-604 001	drtsivanano@gmail.com	Oral
11	STUDIES ON ACCUMULATION OF L-DOPA AND FAVISM CAUSING PYRIMIDINE GLYCOSIDES VICINE AND CONVICINE IN VARIOUS PLANT PARTS OF FABA BEAN	Ravi Kumar ^{1,2*} , Ajay Singh, Anil Duhan ¹ , Neelam Yadav ¹ , Sarita Sangwan ¹ ¹ Department of Chemistry, ² Medicinal, Aromatic and Potential Crops Section, Department of Genetics and Plant Breeding, Chaudhary Charan Singh Haryana Agricultural University, Hisar 125004 (Haryana), India,	ravibeniwal@hau.ac.in	Oral
12	THE BEHAVIOR OF LENGTH VARIANTS OF ENT-CPS FROM ANDROGRAPHIS PANICULATA (BURM.F.) WALL. EX NEES UNDER MOLECULAR DYNAMICS SIMULATIONS	Manish Kumar Suthar ICAR-Directorate of medicinal and aromatic plants research, Boriavi (387310), Anand, Gujarat, India	manish.suthar1234@gmail.com	Oral
13	THERAPEUTICS APPLICATION: INSILCO APPROACH	Chettri Arati, Roy Dinata, Vikas Kumar Roy, Guruswami Gurusubramanian* Department of Zoology, Mizoram University, Aizawl-796004, Mizoram, India	aratichettri8198@gmail.com	Oral
14	INVESTIGATION ON DRYING KINETICS OF SAFED MUSA LI IN SOLAR DRYER ASSISTED WITH HEAT STORAGE	Dr Varsha Tapre and Dr Surendra Kalbande, Dr Panjabrao Deshmukh	varshatapre23@gmail.com	Oral

	TERIAL	Krushividyapeeth, Akola, MS		
15	MEDICINAL PLANTS USED FOR TREATMENT OF JAUNDICE BY THE BODO TRADITIONAL HEALERS IN UDALGURI DISTRICT OF BTAD, ASSAM	Jenima Basumatary and Hui Tag Plant Systematic & Ethnobotanical Research Laboratory, Department of Botany, Rajiv Gandhi University, Rono Hills, Doimukh-791112, Arunachal Pradesh, India.	jnybasumatary@gmail.com	Oral
16	THE BEHAVIOR OF LENGTH VARIANTS OF ENT-CPS FROM ANDROGRAPHIS PANICULATA (BURM.F.) WALL. EX NEES UNDER MOLECULAR DYNAMICS SIMULATIONS	Manish Kumar Suthar ICAR-Directorate of medicinal and aromatic plants research, Boriavi (387310), Anand, Gujarat, India	manish.suthar1234@gmail.com	Oral
17	PROTEOMIC STUDIES OF MATURASE K FROM TRIDAX PROCUMBENS L. A MEDICINALLY VALUABLE WEED	Nitesh Chandra, Fabeha, Manvendra Singh and Mamta Shukla Department of Biotechnology Faculty of Engineering & Technology Khwaja Moinuddin Chishti Language University, Lucknow - 226013, Uttar Pradesh, Bharat	manumbbt@gmail.com	Oral
18	CHARACTERIZATION AND ANALYSIS OF SCORPION VENOM PEPTIDE FOR THE THERAPEUTICS APPLICATION: INSILCO APPROACH	Chettri Arati, Roy Dinata, Vikas Kumar Roy, Guruswami Gurusubramanian* Department of Zoology, Mizoram University, Aizawl-796004, Mizoram, India	aratichettri8198@gmail.com indinataroy9@gmail.com vikasroy4araria@gmail.com mgurus64@yahoo.com	Oral
19	IMPACT OF CLIMATE CHANGE IN HUMAN HEALTH AND ITS PREVENTION WITH THE HELP OF AYURVEDA- A SYSTEMATIC REVIEW	Priyanka Chakraborty*, Bimisa Khersa, Devanjal Bora Central Ayurveda Research Institute, Guwahati (Assam) India, 781028	priyankachakraborty.604@gmail.com	Oral
20	EXPLORING WILD EDIBLE SOLANUM SPECIES FROM NORTHEAST INDIA AS ANTI-MICROBIAL AGENTS	Rina Ningthoujam, Chandra Deo and B.N. Hazarika	aberinaningthoujam@gmail.com	Oral

		Department of Vegetable Science College of Horticulture and Forestry, Central Agricultural University, Pasighat791102, Arunachal Pradesh		
21	PHARMACEUTICAL EFFLUENTS: A ROADMAP TOWARDS SUSTAINABLE BIOBASED REMEDIATION	Santanu Mukherjee School of Agriculture, Shoolini University of Biotechnology and Management Sciences, Solan 173229, India	santanu_mukherjee86@yahoo.co.in ; santanu@shooliniuniversity.com	Oral
22	VALORIZATION OF AQUATIC WEED BIOMASS FOR BIO-OIL AND BIOCHAR PRODUCTION USING CATALYTIC PYROLYSIS: PROCESS OPTIMIZATION USING RESPONSE SURFACE METHODOLOGY (RSM)	Shahrukh Nawaj Alam ¹ , Abhishek Guldhe ² and Bhaskar Singh ^{1*} ¹ Department of Environmental Sciences, Central University of Jharkhand, Ranchi-835205, Jharkhand, India ² Amity Institute of Biotechnology, Amity University, Mumbai, Maharashtra 410206, India	shahrukh.19270201005@cuja.ac.in bhaskar.singh@cuja.ac.in	Oral
23	MAPPING GENOME SIZE VARIATION IN MEDICINAL PLANTS OF SOUTH-EASTERN BHUTAN: PROSPECTS FOR GENOMIC STUDY	Bimal K. Chetri ² , Latha Rangan ^{1*} , Sudip Mitra ² , Alok Senapati ¹ and Rahul K. Shelke ¹ Department of Biosciences and Bioengineering, Indian Institute of Technology Guwahati, Assam INDIA, , School of Agro and Rural Technology, Indian Institute of Technology Guwahati, Assam 781039, INDIA, School of Agro and Rural Technology, Indian Institute of Technology Guwahati,	c.bimal@iitg.ac.in n/ bimal_kum.sherubtse@rub.edu.bt	Oral

		Assam 781039, INDIA Applied Biodiversity Laboratory (ABL) Department of Biosciences and Bioengineering (BSBE) Indian Institute of Technology (IIT)-Guwahati North Guwahati, Assam 781039, India. Department of Biosciences and Bioengineering, Indian Institute of Technology Guwahati, Assam 781039, INDIA		
24	CRITICAL APPRAISAL OF FOLKLORE MEDICINAL PLANTS USED FOR FEMALE HEALTH CARE IN ASSAM (INDIA) WITH REFERENCE TO PHARMACOLOGICAL STUDIES	BimisaKhersa*, Priyanka Chakraborty, Kapil Kumar Kemprai, and DevanjalBora NEHAR & Dept. of Botany, Central Ayurveda Research Institute, Guwahati (Assam) India 781028	bimisakhersa@gmail.com	Poster
25	IMMUNO-DEPRESSIVE EFFECTS OF BACILLUS THURINGIENSIS ON THE HEAMOCYTE MORPHOLOGY OF AULACOPHORA FOVEICOLLIS	DiplinaYein and *Dr.MousumiPhukon Department Of Entomology, Assam Agricultural University, Jorhat, India	mousumi.phukon@aau.ac.in	Poster
26	TAXONOMIC MISIDENTIFICATION:CAUSING SAFETY AND EFFICACY ISSUES WITH PLANT-BASED DRUGS	Kapil Kumar Kemprai*, BimisaKhersa, Alok Sharma and Devanjal Bora NEHAR & Dept. of Botany, Central Ayurveda Research Institute, Guwahati (Assam) India 781028	kapilkumarkemprai@gmail.com	Poster
27	MORIN MITIGATES CADMIUM-INDUCED TESTICULAR TOXICITY IN MICE	Nicy Vanrohlu, Corresponding Author: Vikas Kumar Roy Department of Zoology, Mizoram University, Aizawl, Mizoram - 796	nicyhmar@gmail.com	Poster

		004, India		
28	EXPLORATION OF NUTRITIONAL POTENTIAL OF EDIBLE BAMBOO OF NORTHEAST INDIA FOR LIVELIHOOD SUPPORT AND COMMERCIAL USE	Nijam Gayary*, Manish Kumar Singh, Jyotishmita Gogoi Rain Forest Research Insitute, Jorhat -785010	gayarynijam@gmail.com	Poster
29	MEDICINAL VALUES OF ORNAMENTAL PLANTS.	Sweta Rugi Department of Horticulture, Assam Agricultural University, Jorhat-13	swetarugi@gmail.com	Poster
30	CHARACTERIZATION OF FAUXIN INFLUX CARRIERS IN GYMNEMA SYLVESTRE R. BR.	Kuldeepsingh A. Kalariya* ICAR - Directorate of Medicinal & Aromatic Plants Research, Boriavi - 387310, Anand, Gujarat	kuldeep.Kalariya@icar.gov.in	Poster
31	INSECTICIDAL ACTIVITY OF DIFFERENT PLANT EXTRACTS AGAINST APHID (LIPAPHIS ERYSIMI) INFESTATION IN BROWN MUSTARD (BRASSICA JUNCEA L.)	Kunal Kaushik Department of Horticulture Assam Agricultural University, Jorhat, Assam-785013	kunal.kaushik.adj21@aau.ac.in	Poster
32	PHYTOCHEMICAL AND ANTIOXIDANT PROPERTIES OF WILD EDIBLE FRUIT MYRICA ESCULANTA :AN ALTERNATIVE FOOD SOURCE FOR HIMALAYAS REGION	Puja Acharya* and Sandeep Rawat G.B Pant National Institute of Himalayan Environment, Sikkim Regional Centre, Pangthang	acharyap477@gmail.com	Poster
33	INDIAN DYE-YIELDING PLANTS: STATUS, UTILIZATION AND EFFECTIVE CONSERVATION	Siva Ramamoorthy School of Bio Sciences and Technology, Vellore Institute of Technology, Vellore 632014, INDIA	siva.ramamoorthy@gmail.com	Poster

Panel Discussion:

Topic :RECENT ISSUES RELATED TO MEDICINAL PLANTS, AQUA PHYTOBIOTICS, THE AQUA HERBALS.

Dr. Joydeep Bauah, ASTEC, Guwahai

Dr. Chandra Prakash Shukla, Consultant (Collection / Compilation of Raw Material Data

Dr. Rajesh Joshi, GBPIE, Sikkim

Dr. Hui tag , Prof, RGU

Dr. Bimal K. Chetri Royal university of Bhutan

Dr Varsha Tapre, Dr Panjabrao Deshmukh, Krushi Vidyapeeth, Akola,MS

*Chairperson and Co-chairperson will judge both oral and poster presentation session.

*After completion of the oral presentations, the poster presentations will be judged.

* Rapporteurs will submit the proceedings same day to Dr. P. K. Barua, Professor, PBG & Chairman, Technical Committee covering the particulars of presented papers, results and outcome of the sessions. (mailid:purna.barua@aau.ac.in)