

Program Schedule



National Seminar on

Ethnopharmacology for Bioeconomy: The New Paradigm

28-30 November, 2023

EBNP-23



Organized by:

CSIR- North East Institute of Science & Technology
Jorhat- 785006, Assam

SFE - Jorhat Local Chapter

In association with:

Society for Ethnopharmacology, India



10th Convention of Society for Ethnopharmacology, India

cum

National Seminar on

Ethnopharmacology for Bio-economy: The New Paradigm (EBNP-2023)

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Program Schedule

Day 1: November 28, 2023 (Tuesday)

INAUGURATION PROGRAM

8.30 hrs onwards	Registration
9.30 – 9.35 hrs	Swaraswati Bandana by Ms. Chimly Baruah
9.35 – 9.45 hrs	Inviting dignitaries to the Dias and felicitation
9.45– 9.55 hrs	Welcome address and briefing about the Seminar by Dr Jatini Kalita , Organizing Secretary
9.55– 10.05 hrs	Address by Dr Indraneel Das , Vice-President, Ethnopharmacology Society of India
10.05– 10.15 hrs	Address by Prof. Pulok Kumar Mukherjee , Director, IBSD, Imphal
10.15 – 10.30 hrs	Address by Prof. Rabinarayan Acharya , Director General, CCRAS, Ministry of AYUSH, Govt. of India, New Delhi
10.30 – 10.40 hrs	Address by Dr PK Mishra , Vice chancellor, Assam Kaziranga University
10.40 – 10.55 hrs	Address by Dr G. Narahari Sastry , Director, CSIR-NEIST, Jorhat, India & Chief Patron, EBNP-2023
10.55 – 11.00 hrs	Release of EBNP-2023 Abstract Book by Chief Guest and other dignitaries on the dias
11.00 – 11.30 hrs	Address and Keynote talk by Chief guest: Dr Madhu Dikshit , Former Director, CSIR Central Drug Research Institute, Lucknow, India Title: Unlocking the Potential of Ashwagandha in Healthcare: Ethnopharmacology Insights and Opportunities
11.30 – 11.35 hrs	Vote of thanks
11.35 – 11.45 hrs	HIGH TEA BREAK

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DAY 1 : November 28, 2023 (Tuesday)

TECHNICAL SESSION 1 (Dr JNB Auditorium)

Traditional Knowledge and Bioeconomy

Chair : **Dr Arun Bandopadhyay**

Co-Chair : **Dr Ratul Saikia**

11.45 – 12.10 hrs	Prof. Pulok Kumar Mukherjee , Director, IBSD, Imphal Title : Ethnopharmacology and Bioeconomy: A blend for therapeutically important bioresources
12.10 – 12.35 hrs	Dr Viswajanani J Sattigeri , Head, CSIR-TKDL Title: Balancing Protection of Traditional Knowledge - Critical Aspects of People's Rights and Intellectual Property Rights
12.35 – 13.00 hrs	Dr Charu Lata , Principal Scientist, CSIR-NIScPR Title : Documentation, Validation and Communication of Traditional Knowledge
13.00 – 14.00 hrs	LUNCH BREAK

DAY 1 : November 28, 2023 (Tuesday)

TECHNICAL SESSION 2 (Dr JNB Auditorium)

Chair : **Dr Subhas C. Mandal**

Co-Chair : **Dr Ravindra K Rawal**

14.00 – 14.30 hrs	Dr Arun Bandopadhyay , Former Director, CSIR-IICB, Kolkata; Director, Gujrat Biotechnology University, Gandhinagar, Gujrat Title: Investigating the Potential of <i>Sonneretia apetala</i> Fruit Extracts in Mitigating Neutrophil-Driven Lung Emphysema
14.30 -15.00 hrs	Dr Raman Mohan Singh , Director, Pharmacopoeia Commission for Indian Medicine & Homoeopathy (PCIM&H) Ghaziabad, UP, India Title: Role of Pharmacopoeia Commission for Indian Medicine and Homoeopathy (PCIM&H) for Maintaining Quality Traditional Medicines in the Country

15.00 -15.30 hrs	Prof. Bibhuti Bhushan Kakoti , Head, Department of Biotechnology and Bioinformatics, Dibrugarh University, Dibrugarh Title: Exploring Ethnopharmacology for Sustainable Development and Commercialization: Objectives and potentials
15.30 - 15.50 hrs	TEA BREAK
15.50 - 16.20 hrs	Dr Sanjay Kumar , Chairman, ASRB, New Delhi & Former Director, CSIR-IHBT, Palampur Title :Ethnopharmacology of High Altitude Medicinal Plants
16.20 - 16.50 hrs	Dr Bishnu Prasad Sarma , Former Principal, Govt. Ayurvedic College, Guwahati Title: Rasayan Therapy in Ayurveda
16.50 – 17.20 hrs	Prof. Pallab Kanti Halder , Director, SNPS, Jadavpur University, Kolkata Title: Diabetes: A global threat may be ameliorate through Traditional Medicine
17.20 – 17.40 hrs	Dr Neeta Mahasekar , Director, North Eastern Institute of Ayurveda and Homeopathy, Shillong Title : An Ayurveda Perspective about Ethnopharmacology for Bio-economy: The New Paradigm
17.45 – 20.00 hrs	CULTURAL PROGRAM
20.00 – 21.30 hrs	DINNER

DAY 1 : November 28, 2023 (Tuesday)
TECHNICAL SESSION 3 (Parallel Session)
MS Iyengar Hall

Chair : **Mr Amitava Das**

Co-Chair : **Dr Archana M Das**

14.00 – 14.20 hrs	Prof. Nirala Ramchiary , JNU, New Delhi Title : Bioeconomy, Biopharmacology, and Biosynthesis of Capsaicinoids in Bhut Jolokia
14.20 -14.40 hrs	Dr Atul Gupta , Senior Scientist, CSIR-CIMAP, Lucknow Title : Structural modifications of natural chromene-precocene-I isolated from <i>Ageratum conyzoides</i> (L.) L. for value addition
14.40 -15.00 hrs	Prof. Rajya Lakshmi Koduru , Vignan Pharmacy College Title : Molecular docking analysis of natural flavones on SARS Cov2
15.00 - 15.20 hrs	Dr Heera Ram , Associate Professor, Jai Narain Vyas University, Jodhpur Title : Ameliorative efficacy of nafronyl in diabetic retinopathy through interactions with targets enzymes: in-silico and in-vivo studies
15.20 - 15.40 hrs	Dr Pankaj Bharali , Scientist, CSIR-NEIST Title : North East India: A Bioprospecting Frontier at the Crossroads of Traditional Knowledge and Modern Medicine
15.40 - 16.00 hrs	Dr Y. Rajasekhar , Scientist D, IBSD, Imphal Title : Indo-Burma Biodiversity Hotspots: A Treasure Trove for Biofumigants but Safe to Mammals
16.00 - 16.20 hrs	Dr Snigdha Hazarika , Lakhimpur College of Veterinary Science, AAU, Joyhing, North-Lakhimpur Title : Pharmacodynamic role of hydro-ethanolic seed extract of <i>Zanthoxylum armatum</i> DC to ameliorate <i>Paramphistomum cervi</i> of ruminant
16.20 - 16.40 hrs	Ms. Ajum Bagang , Assistant Professor, Dera Natung Government College, Itanagar Title : Medicinal Plants Cultivation and Usage in Homegardens of East Kameng District, Arunachal Pradesh, India
16.40 – 17.00 hrs	Q&A Session & Discussion

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DAY 2 : November 29, 2023 (Wednesday)	
TECHNICAL SESSION 4 (Dr JNB Auditorium)	
Chair : Dr Debasis Dash	Co-Chair : Er Jayanta J Bora
9.00 – 9.30 hrs	Dr Sudesh Kumar Yadav , Director, CSIR-IHBT, Palampur Title : Ethnopharmacology: Bridging traditional knowledge and bioeconomy sustainability
9.35 – 10.05 hrs	Dr Debasis Dash , Director, ILS, Bhubaneswar Title : Decoding Brain Variant Peptides : A Proeogenomic Quest with Quality Control
10.10 - 10.40 hrs	Prof. Ashis K. Mukherjee , Director, Institute of Advanced Study in Science and Technology (IASST) Guwahati, India Title : Ethnic food as functional food for the global market'- an approach for bio economy of NE India
10.40 - 11.10 hrs	Dr Sanjeeb K Sahoo , Scientist F, ILS, Bhubaneswar Title: Ethnopharmacology and anticancer drug discovery: A journey with Phytonanomedicine
11.10 - 11.20 hrs	TEA BREAK
11.20 - 11.50 hrs	Dr Prasenjit Manna , Principal Scientist, CSIR-NEIST, Jorhat Title : Ethnic fermented soya foods of North East India for managing diabetes
11.50 – 12.20 hrs	Prof. Sayeed Ahmad , Department of Pharmacognosy and Phytochemistry, Hamdard University, New Delhi, India Title : Metabolomic profiling of traditional unani medicine for scientific validation of traditional claims
12.20 – 12.50 hrs	Dr Pramod J Hurkadale , Professor, KLE College of Pharmacy, JNMC, Campus, Belagavi Title : Indigenous Herbal Remedies from the North Central Western Ghats of Belagavi Region in India: Empowering Rural Healthcare

12.50 - 13.10 hrs	Dr Praseon Gupta , Pr Scientist, CSIR-IIIM Title : Trilliumosides A-B: Two novel steroidal saponins from rhizomes of <i>Trillium govaniatum</i> as potent anticancer agents targeting apoptosis in A-549 cancer cell line
13.10 - 14.00 hrs	LUNCH BREAK
DAY 2- November 29, 2023 (Wednesday) TECHNICAL SESSION 5 (Dr JNB Auditorium)	
Chair : Prof. Alok Pal Jain Co-Chair : Dr SB Wann	
14.00 - 14.30 hrs	Dr Robindra Teron , Director, North Eastern Institute of Ayurveda and Folk Medicine, Pasighat Title : Folk Healing Traditions: A resourceful, yet under researched field
14.30 - 15.00 hrs	Dr Pronobesh Chattopadhyaya , Scientist F, DRL, Tezpur Title : Regulatory Requirement of the Herbal Drugs Approval
15.00 - 15.30 hrs	Dr Prakash R Itankar , Dept. of Pharmaceutical Sciences, RTM Nagpur University, Nagpur Title: Indigenous Practices in Phytoceuticals
15.30 - 16.00 hrs	Dr Rajesh Singh Pawar , Professor and Principal; Truba Institute of Pharmacy, TRUBA Campus, Karond-Gandhi Nagar Bypass Road, Bhopal Title : Yeast cell-based assays for antioxidant activity
16.00 - 16.30 hrs	Dr Shailja Singh , Professor, Department of Molecular Medicine, Jawaharlal Nehru University, Delhi Title : Ethnopharmacology-aided antiplasmodial and immunomodulatory evaluation of medicinal plants traditionally used for treatment of malaria
16.30 - 17.00 hrs	TEA BREAK
16.30 - 18.30 hrs	POSTER PRESENTATION
19.00 - 21.00 hrs	DINNER

DAY 2-November 29, 2023 (Wednesday)

SESSION 6 (Parallel Session)

MS Iyengar Hall

Chair : **Dr Robindra Teron**

Co-Chair : **Dr Amit Kar**

9.30 – 9.45 hrs	Dr Paras Sharma , Associate Professor & Head, Food Technology, Mizoram University Title : Minor grains: Nutritional composition, health benefits and processing
9.45 – 10.00 hrs	Dr Lokesh Deb , Scientist, IBSD, Imphal Title : <i>Oroxylum indicum</i> Vent. stem bark extracts exhibited abortifacient and anti-implantation on female wistar rats by enhancing Lutenizing Hormone (LH) level
10.00 – 10.15 hrs	Dr Mohan Lal , Principal Scientist, CSIR-NEIST Title : Agarwood (<i>Aquilaria malaccensis</i> L.) a rare plant species native to NE India with pharmacological properties
10.15 – 10.30 hrs	Dr Sunil S Thorat , Scientist, IBSD, Imphal Title : Immunomodulatory role of <i>Urtica dioica</i> L. active metabolites using Network pharmacology approach against post-COVID complications
10.30 – 10.45 hrs	Dr S. Nagamani , Scientist, CSIR-NEIST Title : Molecular Property Diagnostic Suite (MPDS): Toxicity Filter
10.45 – 11.00 hrs	Dr Sweety Nath Barbhuiya , Assistant Professor, Patharkandi College, Patharkandi Title : Role of curcumin and quercetin in attenuation of arsenic and smokeless tobacco induced reproductive toxicity in female mice
11.00 – 11.15 hrs	Dr Saikat Halder , Senior Scientist, CSIR-NEIST Title : Quality control, aroma profiling and ontogenetic variability of black turmeric (<i>Curcuma caesia</i> Roxb.) rhizome: An endangered medicinal herb of northeast India
11.15 – 11.30 hrs	Dr Indira Sarangthem , Scientist E, IBSD Imphal Title : Prospects of nutraceutical and antiviral potential of <i>Termitomyces sheikhupurensis</i> , a wild edible mushroom

11.30 – 11.45 hrs	Dr Liza Handique , Assistant Professor, JB College, Jorhat Title : GC-MS Analysis of bioactive compound present in methanolic extract of the endemic plant species <i>Eaeagnus latifolia</i> L.
11.45 – 12.00 hrs	Dr Pardeep Bharadwaj , Scientist E, IBSD, Imphal Title :Exploring medicinal plants of North East from bioeconomy perspectives
12.00 – 12.15 hrs	Dr Evanylla Kharlyngdoh , Scientist, IBSD, Meghalaya Title : The Changing Dynamics of Innovation in Traditional Healthcare Practices in Meghalaya, Northeast India: A New Paradigm
12.15 – 12.30 hrs	Dr Anjana Singha Naorem , Associate professor, Department of Zoology, Cotton University, Guwahati Title: Entomophagy by Different Tribes of Changlang District Arunachal Pradesh- Opportunities, Threats and Challenges
12.30 – 12.45 hrs	Dr P.S. Srikanth , Scientist, Rain Forest Research Institute, Jorhat Title : Fatty Oil Composition of <i>Hydnocarpus kurzii</i> from Different Populations of Northeast India: A Preliminary Study

DAY 2-November 29, 2023 (Wednesday)

SESSION 7 (Parallel Session)

MS Iyengar Hall

Young Ethnopharmacologist Oral Presentation

14.00 – 14.10 hrs	Aashis Dutta, Gauhati University
14.10 – 14.20 hrs	Anindita Gogoi, CSIR-NEIST
14.20 – 14.30 hrs	Anita Kumari Rai, NEHU
14.30 – 14.40 hrs	Bipankar Hajong, CSIR-NEIST
14.40 – 14.50 hrs	Mary Devi, Cotton University
14.50 – 15.00 hrs	Deep Jyoti Das, CSIR-NEIST
15.00 – 15.10 hrs	Khumtya Debbarma, CVSc, Guwahati
15.10 – 15.20 hrs	Dipanneeta Das Gupta, CSIR-NEIST
15.20 – 15.30 hrs	Huidrom Khelemba Singh, IBSD
15.30 – 15.40 hrs	Mutyal A Kavya, ICMR-NIN

15.40 – 16.00 hrs	TEA
16.00 – 16.10 hrs	Nilamoni Chelleng, BLIT, CSIR-NEIST
16.10 – 16.20 hrs	Soibam Thoithoisana Devi, IBSD
16.20 – 16.30 hrs	Lipsa Priyadasrinee, CSIR-NEIST
16.30 – 16.40 hrs	Reparani Thokchom, IBSD
16.40 – 16.50 hrs	Wahengbam Deepanita Devi, IBSD
19.00 – 21.00 hrs	DINNER

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DAY 3 - November 30, 2023 (Thursday) TECHNICAL SESSION 8 (Dr JNB Auditorium)	
Chair: Dr Thaneswar Borah Co-Chair: Dr Sanjay Deori	
9.00- 9.30 hrs	Dr K. Mruthunjaya , Department of Pharmacognosy, JSS College of Pharmacy, Mysuru Title : Leaves of <i>Syzigium cumini</i> as a potential therapy for thrombocytopenia
9.30 – 9.50 hrs	Prof. Rajesh Jesudasan , Dean, School of Pharmacy, Assam Kaziranga University, Jorhat Title : Alarming rise of anaemia among women and children in North East India
9.50 – 10.10 hrs	Dr Nanaocha Sharma , Scientist E, IBSD, Imphal Title : Bioresources of NER for human health
10.10 – 10.30 hrs	Dr JK Shukla , Scientist E, IBSD, Shillong Title : <i>Gaultheria fragrantissima</i> : Agrotechnology & post-harvest value addition to boon rural bio-economy in Meghalaya, Northeastern region of India
10.30 - 10.50 hrs	TEA BREAK

10.50 – 11.10 hrs	Dr Mantu Bhuyan , Sr Principal Scientist, CSIR-NEIST Title : CSIR-NEIST Antiarthritis Herbal Products and Cytokines
11.10 – 11.30 hrs	Dr Madhuchandra Lahan , Associate Professor, The Assam Kaziranga University, Jorhat, Assam Title : Formulation and evaluation of curcumin and SiRNA co-loaded, LHRH conjugated PLGA nanoparticles for the targeted delivery to lung cancer
11.30 – 11.50 hrs	Dr Shahid Rasool , Senior Principal Scientist, CSIR-IIIM, Kashmir Centre Title : Production and Value Chain Management of Medicinal and Aromatic Crops for Securing Livelihoods and Entrepreneurship Development
11.50 – 12.10 hrs	Industry Presentation
12.10 – 12.20 hrs	Industry Presentation
12.20 – 12.40 hrs	Dr S.N. Manjula , Professor, Dept. of Pharmacology, JSS College of Pharmacy, JSS Academy of Higher Education and Research, Mysuru Title : L-dopa and aroma combination for mitigating olfactory dysfunction and motor deficits in mice model of Parkinson's disease
12.40 – 13.00 hrs	Dr Anilkumar Adimulapu School of Pharmacy, The Assam Kaziranga University, Jorhat Title : A Concise Research on Oral pH Independent Controlled Drug Delivery System: Current Status and Future Directions
13.00 - 2.00 hrs	LUNCH BREAK
DAY 3 - November 30, 2023 (Thursday)	
TECHNICAL SESSION 9 (Parallel Session, MS IYENGAR HALL)	
Chair : Dr Kakali Mukherjee Co-Chair : Dr Swapnali Hazarika	
9.00 - 9.20 hrs	Prof. Potsangbam Kumar Singh , Manipur University Canchipur, Imphal Title : Traditional knowledge System of folk medicinal plants practiced by the Meitei community of Manipur state north eastern India: A Review
9.20 - 9.40 hrs	Dr Sushil Kumar Chaudhary , Scientist, IBSD, Imphal Title : Comparative GC-MS analysis, antioxidant and antidiabetic activities of Indian bay leaf (<i>Cinnamomum tamala</i> (Buch.-Ham.) T. Nees & Eberm.) oil collected from diverse locations in Meghalaya

9.40 - 10.00 hrs	Dr Dharmeswar Barhoi , Assistant Professor, Royal Global University, Guwahati Title : Assessment of the protective effect of <i>Moringa oleifera</i> seeds against arsenic-induced mutagenicity in Zebrafish (<i>Danio rerio</i>)
10.00-10.20 hrs	Mr Debasish Dutta , Manager, BioNEST, CSIR-NEIST, Protection and promotion of Traditional Knowledge for community development in Assam
10.20 - 10.50 hrs	Dr Hriday Jyoti Mahanta , Scientist, CSIR-NEIST Title : Artificial Intelligence and Machine Learning in Harnessing Traditional Wisdom
10.50 - 11.10 hrs	Dr Vadakkemuriyil Divya Nair , Central University of Himachal Pradesh, Kangra, HP Title : Authentication of the market samples of <i>Rauwolfia serpentina</i> using plastid based molecular marker
11.10 - 11.30 hrs	TEA BREAK
9.00 - 11.00 hrs	POSTER PRESENTATION (Parallel Session)
11.10 – 13.00 hrs	Traditional Healers Meet cum exhibition of traditional medicine Moderators : Dr Mantu Bhuyan , Sr Principal Scientist, CSIR-NEIST Dr Prakash R Itankar , Nagpur University, Nagpur Dr Rituraj Konwar , Principal Scientist, CSIR-NEIST
13.00 - 14.00 hrs	LUNCH
14.30 - 16.00 hrs	VALEDICTORY FUNCTION