

7th Convention

**Society for
Ethnopharmacology, India**

&

International Symposium on

**“Combating COVID-19 - Ethnopharmacology &
Traditional Food and Medicine”**

December 17-19, 2020

PROGRAM SCHEDULE

Organized by:



**Institute of Bioresources & Sustainable
Development, Imphal (IBSD-Imphal)**

जैव संसाधन एवं स्थायी विकास संस्थान, इंपाल

An Autonomous Institute under Dept. of Biotechnology, Govt. of India

Takyelpat, Imphal 795001, India

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In Association with



**Society for Ethnopharmacology, India
(SFE-India)**

“Globalizing local knowledge and localizing global technologies”

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Day 1: Thursday: December 17, 2020

INAUGURATION OF THE PROGRAMME: 10:00 AM - 12:00 PM (IST)



Dr Rajkumar Ranjan Singh
Member of Parliament (Lok Sabha)
Manipur, India



Vaidya Rajesh Kotecha
Secretary
Ministry of AYUSH,
Govt. of India, New Delhi



Shri Chandra Prakash Goyal
Joint Secretary
Department of Biotechnology
Govt. of India, New Delhi



Dr Thirumalachari Ramasami,
Former Secretary
Department of Science and Technology
Govt. of India, New Delhi



Shri. Shekhar Dutt
Former Governor, State of Chhattisgarh &
Advisor, Society for Ethnopharmacology,
India



Dr. Bhushan Patwardhan
Vice Chairman
University Grant Commission
New Delhi



Dr. JLN Sastry
CEO
National Medicinal Plant Board
Govt. of India, New Delhi



Dr. Roy Upton
President
American Herbal Pharmacopoeia, USA



Dr. Ashiho A. Mao
Director
Botanical Survey of India
Govt. of India, Kolkata



Shri Birendra K Sarkar
President,
Society for Ethnopharmacology,
Kolkata India



Dr. C K Katiyar
Vice President
Society for Ethnopharmacology
Kolkata, India



Dr. Anamika Gambhir
Scientist F, Coordinator-IBSD,
Dept. of Biotechnology
Govt. of India, New Delhi



Shri Indraneel Das
Vice President
Society for Ethnopharmacology, Kolkata, India



Prof. Pulok K Mukherjee
Director, IBSD, Imphal, India
Secretary, Society for Ethnopharmacology, Kolkata, India
President, International Society for Ethnopharmacology, Switzerland

Keynote Lectures:

Introduced by: Shri Indraneel Das, Vice President, Society for Ethnopharmacology, Kolkata, India

Speaker	Title
Keynote Lecture: 1 Dr Thirumalachari Ramasami Former Secretary Department of Science and Technology Govt. of India, New Delhi	Ethnobiology in New Normal after COVID 19
Keynote Lecture: 2 Dr Roy Upton Executive Director American Herbal Pharmacopoeia, USA	American Herbal Pharmacopoeia: Triphala Monograph and Therapeutic Compendium

Keynote Lecture: 3**Dr. JLN Sastry**CEO
National Medicinal Plant Board
Govt. of India, New Delhi

Potential Immunomodulatory Herbs for Covid-19 management

Plenary Lectures: Session I: 12:05 PM - 01:45 PM (IST)**Chairperson:****Prof. G.A. Shantibala**, Dept. of Life Sciences, Manipur Central University, Manipur, India**Dr. Sudripta Das**, Institute of Bioresources and Sustainable Development, Imphal, Manipur, India**Prof. Thingbaijam Binoy Singh**, Dept. of Botany, Manipur University, Manipur, India

Speaker	Title
Lecture: 4 Shri. Birendra K. Sarkar President, Society for Ethno pharmacology, India & CEO, Parker Robinson Ltd, Kolkata, India	 Welcome note: "Society for ethnopharmacology in developing traditional medicine"
Lecture: 5 Prof. N. Rajmuhon Singh Dept of Chemistry, Manipur Central University Manipur, India	 Need of revitalization of traditional knowledge of manipur: With Special Reference to Dying, Health Care and Fermented Foods
Lecture: 6 Prof. Alexander N. Shikov Dept. of Pharmaceutical Formulations St. Petersburg State Chemical Pharmaceutical University, Russia	 Fucoidan and COVID-19: some benefits based on biomolecular mechanisms
Lecture: 7 Prof. Pramod Tandon Former, Vice-Chancellor, North-Eastern Hill University, Shillong	 North-East India: People, Bioresources and livelihood options under COVID-19 Scenario
Lecture: 8 Prof. Ibrahim Jantan School of Pharmacy Taylor's University, Malaysia	 Plant-based immunomodulators as potential candidates for development of adjunctive therapy for COVID-19

Plenary Lectures: Session II: 01:50-03:20 PM (IST)**Chairperson:****Dr. N. Udupa**, Coordinator, SFE-Manipal Chapter, Manipal Academy of Higher Education, Manipal, India**Dr. Kumaraswamy Jeyaram**, Institute of Bioresources and Sustainable Development, Imphal, Manipur, India**Dr. Alka Mukne**, Coordinator SFE-Mumbai Chapter, Professor, Bombay College of Pharmacy, Mumbai, India

Speaker	Title
Lecture: 9 Dr. N.C.Talukdar Vice Chancellor Assam down town University Guwahati	 Variation in biosynthesis of an effective anticancer secondary metabolite, mahanine in <i>Murraya koenigii</i> is related to soil physicochemistry and weather suitability of the sites of its cultivation

Lecture: 10

Prof. Marco Leonti

University of Cagliari, Italy
Secretary, International Society for
Ethnopharmacology, Switzerland
&



Dr. Caroline Weckerle

Institute of Systematic and Evolutionary
Botany, University of Zurich, Switzerland
Treasurer, International Society for
Ethnopharmacology, Switzerland



Recommended standards for conducting and reporting ethnopharmacological field studies

Lecture: 11

Prof Souad Skalli

Faculty of Science
Mohammed V University in RABAT
Morocco



Does the use of herbal medicines containing non-steroidal anti-inflammatory constituents of herbal origin increase Covid-19 complications risk?

Lecture: 12

Dr. Ng. Iboyaima Singh

Chief Scientist
Traditional food & Sensory Science
CSIR-Central Food Technological Research
Institute, Mysore



Health & Wellness foods as Immunity booster and Intervention of CFTRI's Technologies

Plenary Lectures: Session III: 03:25-05:00 PM (IST)

Chairperson:

Dr. Tapan K. Mukherjee, Former Scientist and Editor IJTK, CSIR-NISCAIR, New Delhi

Prof. L. Sanju Kumar Singh, Dept. of Biotechnology, Manipur University, Manipur, India

Dr. Biseshwori Thongam, Institute of Bioresources and Sustainable Development, Imphal, Manipur, India

Speaker

Title

Lecture: 13

Prof. Rudolf Bauer

Department of Pharmacognosy
University of Graz
Austria



How can ethnopharmacology contribute to the fight against Covid-19

Lecture: 14

Dr. Manoj Kumar Modi

Scientist E
Dept. of Biotechnology, Govt. of India, New
Delhi, India



DBT's programs of Medicinal and Aromatic Plants-
An Overview

Lecture: 15

Prof. Fernão Castro Braga

Faculty of Pharmacy,
Federal University of Minas Gerais
Brazil



Integrating chemical and biological data to explore
que potential of Brazilian plants for developing
anti-arthritic agents

Lecture: 16

Dr. Anurabha Ray

Dept. of Pharmacology
Jamia Hamdard, New Delhi



New insights into the effects of *Withania
somnifera* (Ashwagandha) in respiratory
disease

Plenary Lectures: Session IV: 05:00-07:00 PM (IST)

Chairperson:

Dr. C. K. Katiyar, Vice President, SFE-India, CEO Healthcare (Tech), Emami Ltd., Kolkata

Dr. H Sunitibala Devi, Institute of Bioresources and Sustainable Development, Imphal, Manipur, India

Dr. Ningomba Swapana, Department of Chemistry, Manipur Technical University, Manipur, India

Speaker	Title
<p>Lecture: 17</p> <p>Prof. Pulok K Mukherjee Director, Institute of Bio resources and Sustainable Development, Imphal, India</p>	 <p>“Bioresources of NER- Perspectives of IBSD”</p>
<p>Lecture: 18</p> <p>Prof. Robert Verpoorte Natural Products Laboratory, Leiden University, The Netherlands</p>	 <p>Learn from Nature, learn from our ancestors</p>
<p>Lecture: 19</p> <p>Prof. Thomas Efferth 2 Institute of Pharmacy and Biomedical Sciences Johannes Gutenberg University, Mainz, Germany</p>	 <p>Antiviral activity of 1,2,4-trioxanes of the artemisinin type</p>
<p>Lecture: 20</p> <p>Prof. N. Debananda Singh Dept. of Biochemistry, Manipur Central University Manipur, India</p>	 <p>Microbiome in the 21st Century: Ethnopharmacology for Human and Plant Health in the New Millennium</p>
<p>Lecture: 21</p> <p>Dr. Debprasad Chattopadhyay Director ICMR-NITM Belagavi, Karnataka, India</p>	 <p>Furin and TMPRSS2 receptor blocking: can it be a potential therapeutic option for Covid-19?</p>
<p>Lecture: 22</p> <p>Prof. Rajib Bandyopadhyay Dept. of Instrumentation & Electronics Engg., Jadavpur University, Kolkata</p>	 <p>Non-invasive and rapid quality assessment of medicinal plants using NIR and Raman spectroscopy</p>

Day 2: Friday: December 18, 2020

Panel Discussion: Session V: 10:00–01:00 PM (IST) "Food as Medicine – Exploring therapeutic potential"

Chairperson:

Dr. Subhash C. Mandal, SFE Executive Member, Directorate of Drugs Control, Govt. of West Bengal, Kolkata

Dr. Y. Rajashekar, Institute of Bioresources and Sustainable Development, Imphal, India

Dr. Sinam Yoirentomba Singh, Project Co-ordinator, MSME, Technology Centre, Imphal, India

Dr. Ningthoujam Sanjoy Singh, G.P Womens College, Imphal, Manipur, India

Speaker		Title
Welcome note: Prof. Pulok K Mukherjee Director, Institute of Bioresources and Sustainable Development, Imphal, India		Welcome note: "Food as Medicine – Exploring therapeutic potential"
Lecture: 23 Dr. Mohd. Aslam Former Adviser (Scientist 'G') Dept. of Biotechnology, Ministry of Science & Technology, Govt. of India, New Delhi		"Phytopharmaceutical misison – Initiatives of DBT"
Lecture: 24 Prof. Jyoti Prakash Tamang Department of Microbiology Sikkim Central University, Gangtok, Sikkim		Eat Traditional Foods as Drugs to Combat COVID-19: A Hypothesis
Lecture: 25 Dr Rajan Radhakrishnan Mohammed Bin Rashid University of Medicine and Health Sciences, Dubai		Potential role of Natural Products in the fight against Covid-19
Lecture: 26 Dr. Subhra Chakraborty Director DBT -National Institute of Plant Genome Research, New Delhi		Plant-derived metabolites in fighting COVID-19 pandemic
Lecture: 27 Dr. Arun Bandyopadhyay Director CSIR-Indian Institute of Chemical Biology Jadavpur, Kolkata, India		Repositioning R&D activities for the mitigation of Covid-19 – Efforts of CSIR-IICB
Lecture: 28 Prof. Sitesh C Bachar Faculty of Pharmacy University of Dhaka Dhaka, Bangladesh		Ethnopharmacological evaluation of Ginger available in Bangladesh
Lecture: 29 Dr. Pallab K Haldar Director School of Natural Product Studies, Jadavpur University, Kolkata		IBSD-JU initiatives of Research on Natural Resources –Special Reference to Zebra Fish model
Lecture: 30 Dr Sayeed Ahmad Coordinator, SFE-Delhi Chapter, School of Pharmaceutical Education & Research, JAMIA HAMDARD, New Delhi, India		Phytochemical analysis & ethnopharmacology

Ethnopharmacology Conclave: Session VI: 01:15 PM–02:45 PM (IST)

Moderators:

Dr. Prakash R. Itankar, Department of Pharmaceutical Sciences, R. T. M. Nagpur University Nagpur, India

Dr. Ch. Brajakishor Singh, Institute of Bioresources and Sustainable Development, Imphal, India

Dr. L. Sathiyarayanan, Poona College of Pharmacy, Bharati Vidyapeeth, Pune, India

Name	Title	
<p>Lecture: 31 Prof. Pulok K Mukherjee Director, Institute of Bioresources and Sustainable Development, Imphal, India</p>	<p>Ethnopharmacology Conclave "Traditional healers – Source of therapeutics from nature"</p>	
<p>Lecture: 32 Dr. Bob Allkin The Royal Botanic Gardens, Kew United Kingdom</p>		
<p>Lecture: 33 Dr. Prakash R. Itankar Coordinator, SFE-Nagpur Chapter, Department of Pharmaceutical Sciences, R. T. M. Nagpur University, Nagpur, India</p>	 <p>Traditional Community Health Practitioners of India as COVID Warriors</p>	
<p>Lecture: 34 Dr. L. Sathiyarayanan Coordinator, SFE-Pune Chapter, Associate Professor, Poona College of Pharmacy, Bharati Vidyapeeth, Pune, India</p>	 <p>Research potential of indian propolis</p>	
<p>Lecture: 35</p> <div style="text-align: center;">  <p>Shri. Vaidya Sukhalal Ji Traditional Healthcare Practitioner Jharkhand, India</p> </div>	<p>Lecture: 36</p> <div style="text-align: center;">  <p>Shri. Nirmal Kumar Awasthi Traditional Healthcare Practitioner Raipur, Chhattisgarh, India</p> </div>	<p>Lecture: 37</p> <div style="text-align: center;">  <p>Shri. Tombiraj Traditional Healthcare Practitioner Manipur, India</p> </div>
<p>Lecture: 38</p> <div style="text-align: center;">  <p>Dr. Krishankanta Nath Traditional Healthcare Practitioner Jorhat, Assam</p> </div>	<p>Lecture: 39</p> <div style="text-align: center;">  <p>Shri. Ramkrishna Pokhriyal Traditional Healthcare Practitioner Uttarakhand, India</p> </div>	<p>Lecture: 40</p> <div style="text-align: center;">  <p>Shri. Vaidya B. Arumugapandian Traditional Healthcare Practitioner Chennai, India</p> </div>
<p>Lecture: 41</p> <div style="text-align: center;">  <p>Shri. Shridhar Desai Traditional Healthcare Practitioner Uttara Kannada, Karnataka</p> </div>	<p>Lecture: 42</p> <div style="text-align: center;">  <p>Shri. Anup Sarkar Traditional Healthcare Practitioner Kolkata, India</p> </div>	

Plenary Lectures: Session VII: 02:50 PM–04:30 PM (IST)

Chairpersons:

Prof. N. Mohilal, Dept. of Zoology, Manipur University, Manipur, India

Dr. Chandana Barua, Coordinator, SFE-Gauhati Chapter, College of Veterinary Science, Guwahati.

Dr. Samar Roychowdhury, Institute of Bioresources and Sustainable Development, Imphal, India

Dr. Albert Chiang, Institute of Bioresources and Sustainable Development, Imphal, India

Name	Title
<p>Lecture: 43 Dr Surajit Sinha School of Applied and Interdisciplinary Sciences, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, India</p>	 <p>Combination Approach for the Management of Coronavirus Infection using Antisense- based Antiviral Therapy and Immunomodulators</p>
<p>Lecture: 44 Dr. Dilip Ghosh Director, Nutriconnect, Sydney, Australia</p>	 <p>Role of Nutraceuticals/Botanicals in Immunity during Covid-19 pandemic</p>
<p>Lecture: 45 Dr. Arindam Maitra Associate Professor National Institute of Biomedical Genomics Kalyani, WB, India</p>	 <p>PAN-INDIA 1000 SARS-CoV-2 RNA Genome Sequencing Reveals Temporal Haplotype Diversities and Emerging Mutations in India</p>
<p>Lecture: 46 Dr. Partha Roy Dept. of Biotechnology, Indian Institute of Technology Roorkee, Uttarakhand</p>	 <p>Anti-osteoporotic and anti-osteoclastogenic effect of medical plants with special reference to <i>Piper betle</i> leaf extract and its main active constituent hydroxychavicol: A mechanistic analysis</p>

Student Interactive Forum: Session VIII: 04:30–06:30 PM (IST)

Moderators:

Mr. Fabien Schultz, International Society for Ethnopharmacology,
 Technical University of Berlin, Neubrandenburg University of Applied Sciences, Germany

Dr. Sarangthem Indira Devi, Institute of Bioresources and Sustainable Development, Imphal, India

Dr. Kshetrimayum Birla Singh, Dept. of Zoology, Manipur University, Manipur, India

Dr. Sunil Thorat, Institute of Bioresources and Sustainable Development, Imphal, India

Dr. Santanu Bhadra, Member, Society for Ethnopharmacology, Kolkata, India

Name	Title
<p>Lecture: 47 Cate Risener USA</p>	<p>Exploring the Potential of Natural Products to Combat COVID-19</p>
<p>Lecture: 48 Imrat India</p>	<p>Anti-viral potential of small double-stranded RNA (dsRNA) produced by food fermenting lactic acid bacteria</p>
<p>Lecture: 49 Tenille Esmear South Africa</p>	<p>The potential of gold nanoparticles of a Southern African plant waste product for SARS CoV2</p>
<p>Lecture: 50 Amit Kar India</p>	<p>Metabolome analysis and interaction potential of <i>Plumbago zeylanica</i> with CYP450 enzyme</p>

<p>Lecture: 51 Fengke Lin China</p>	<p>Ethnobiology-guided investigations on microbiological and biochemical profiles of Laowo dry-cured ham, an indigenous fermented food from Southwestern China</p>
<p>Lecture: 52 N. Bunindro Singh India</p>	<p>Isosecotanaparholide; A novel biofumigant derived from Indian ancient medicinal plant</p>
<p>Lecture: 53 Pia Raab Austria</p>	<p>Ethnopharmacological investigations of the bark of <i>Albizia julibrissin</i> Durazz.</p>
<p>Lecture: 54 Subhadip Banerjee India</p>	<p>Immunoprotective potential of Ayurvedic herb Kalmegh (<i>A. paniculata</i>) against Covid -19</p>

Day 3: December 19, 2020

Plenary Lecture: Session IX: 10:00-12:30 PM (IST)

Chairpersons:

Dr. A. Guneshwar Sharma, Directorate of Health Department, Ministry of AYUSH, Govt. of Manipur, India

Dr. Nanaocha Sharma, Institute of Bioresources and Sustainable Development, Imphal, Manipur, India

Dr. Th. David, National Institute of Technology, Imphal, India

Prof. Sanmoy Karmakar, Dept. of Pharm Tech. Jadavpur University, Kolkata, India

Name		Title
Welcome note:		
Prof. Pulok K Mukherjee Director, Institute of Bio resources and Sustainable Development, Imphal, India		"Developing bioresources of NER – Ethnopharmacological perspectives"
Lecture: 55 Prof. Geoffrey A. Cordell President Natural Products Inc., USA		Cyberecoethnopharmacology and the Quality Control of Traditional Medicines
Lecture: 56 Dr T.R. Santhosh Kumar Scientist Integrated Cancer Research Rajiv Gandhi Centre for Biotechnology Trivandrum, Kerala, India		Cell and cell free assays for SARS CoV 2 viral entry inhibitors from natural products: assay development and screening.
Lecture: 57 Dr. J. Wijayabandara Faculty of Allied Health Sciences, University of Sri Jayewardenepura, Nugegoda, Sri Lanka		Immunostimulatory effects by traditional medicines – An attractive and safer alternative to combat COVID-19 virus
Lecture: 58 Prof. Joykumar Meitei Laishram Central Agriculture University Imphal, Manipur, India		Genetic studies of fragrance and pericarp colour and molecular markers in Black Scented Rice of Manipur (<i>Chakhao</i>)
Lecture: 59 Dr. K. Mruthunjaya Coordinator, SFE-Mysuru Chapter Dept. of Pharmacognosy JSS College of Pharmacy, JSS Academy of Higher Education & Research, Mysuru, India		Herbs as a source of platelet enhancers
Lecture: 60 Prof. Sanjit Dey Department of Physiology Calcutta University, Kolkata, India		Natural Phytochemicals are Mother Nature's Weapon Against Diseases

Oral Presentation I: Session X: 12:30-03:00 PM (IST)

Chairpersons:

Dr. Satyanshu Kumar, Directorate of Medicinal and Aromatic Plants Research, Anand, Gujarat, India

Dr. Rajesh Singh Pawar, Truba Institute of Pharmacy, Bhopal, India

Dr. Sauvik Halder, Dept. of Chemistry, Jadavpur University, Kolkata

Dr. Pardeep K. Bhardwaj, Institute of Bioresources and Sustainable Development, Imphal, Manipur, India

Dr. Lokesh Deb, Institute of Bioresources and Sustainable Development, Imphal, Manipur, India

Dr. Saleemulla Khan, Principal, P A College of Pharmacy, Mangalore, Karnataka

Dr. Sabeela Beevi, Institute of Bioresources and Sustainable Development, Imphal, Manipur, India¹

Dr. L. Shantikumar Singh, Institute of Bioresources and Sustainable Development, Imphal, Manipur, India

Name	Title
Kimi Ralte Institute of Bioresources and Sustainable Development- Mizoram Node, Aizawl, India.	<i>Plukenetia volubilis</i> L. (Euphorbiaceae), “ <i>sacha inchi</i> ” growing in Mizoram: A rich natural source of omega-3 and omega-6 fatty acids.
Bharti Kashyap Institute of Bioresources and Sustainable Development, Meghalaya Node, Shillong, India	<i>Swertia chirayita</i> , a critically endangered medicinal plant, conservation through <i>ex-situ</i> cultivation in Shillong Meghalaya, India.
Saimon Shahriar Department of Pharmaceutical Chemistry, University of Dhaka, Bangladesh	Anxiolytic, Antidepressant and Thrombolytic Potential of <i>Achyranthes Aspera</i> L. Aerial Parts: in-vivo, in-vitro and in-silico Techniques
Joshua Khumlianlal Institute of Bioresources and Sustainable Development, Imphal, India	Study of the diversity and pharmacological property of Macrofungi from three Districts of Manipur
Sheeba Nazir Department of Pharmaceutical sciences, School of Applied Sciences & Technology, University of Kashmir, Srinagar, India.	Ethno medicinal Importance of <i>Lavatera cashmiriana</i> Camb. – A wild herb of Kashmir Himalaya
Varsha Thapa Institute of Bioresources and Sustainable Development, Regional Centre, Sikkim, India.	Endophytes from <i>Paris polyphylla</i> Smith, an indigenous plant of Sikkim Himalaya exhibiting antifungal activities
Ningombam Malemnganbi Chanu Lovely Professional University, Punjab	Comparative analysis of the anticancer potential of <i>Moringa oleifera</i> L. varieties
Rupesh Banerjee School of Natural Product Studies, Jadavpur University, Kolkata, India.	Phytochemical profiling and <i>In vitro</i> antibacterial potential of <i>Argyrea speciosa</i> Linn.: A Traditional Medicinal Plant
Y. Rajlakshmi Devi Institute of Bioresources and Sustainable Development, Imphal, India	Gut microbiota associated with oak tasar silkworm, <i>Antheraea proylei</i> J. (Lepidoptera: Saturniidae) infecting with Tiger band disease.
Prashant Kumar Singh Pachhunga University College, Mizoram University, Aizawl, India.	Computational screening of natural compounds and conventional antiviral drugs to discover potent pan-serotype inhibitors against Severe Acute Respiratory Syndrome-Corona Virus-2 (SARS-CoV2) molecular targets

<p>Suhas R. Dhaswadikar Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra, India</p>	<p>Phytochemical standardization and anti-hemorrhoidal potential of leaves from <i>Dolichandrone falcata</i> in croton oil induced hemorrhoid rat model</p>
<p>Subecha Rai Institute of Bioresources and Sustainable Development, Regional Centre, Sikkim, India.</p>	<p>Anti-microbial activity of an endophytic actinomycete from <i>Panax sokpayensis</i> against <i>Staphylococcus aureus</i></p>
<p>Okram Abemsana Devi College of Community Science, Assam Agricultural University, Assam, India</p>	<p>Phytochemical screening of secondary metabolites from four aquatic plants of Manipur</p>
<p>Gopinath Mondal Institute of Bioresources and Sustainable Development, Imphal, India</p>	<p>Feeding entertainment of daily rhythm of mRNA expression of melatonin bio-synthesizing enzyme genes and clock associated genes in the zebrafish gut.</p>
<p>Madhusmita Mahapatra Institute of Bioresources and Sustainable Development, Regional Centre, Sikkim, India.</p>	<p>Traditional Healthcare Knowledges of West Sikkim, North-East India</p>
<p>Bhumika Gurung Institute of Bioresources and Sustainable Development, Regional Centre, Sikkim, India.</p>	<p>Hypoglycemic potential of <i>Tupistra nutans</i> Wall. (Nakima)</p>
<p>Robinson Huidrom Institute of Bioresources and Sustainable Development, Imphal, India.</p>	<p>Phytochemical and GC-MS profiling of volatile flavor compounds in two Asian wild rice- <i>O. rufipogon</i> Griff. and <i>O. nivara</i> Sharma et Shastry</p>
<p>Raut P Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra, India</p>	<p>Development And Evaluation Of Transdermal Patches With <i>Cissus Quadrangularis</i> Plant Extract</p>
<p>Saini Mayanglambam Institute of Bioresources and Sustainable Development, Imphal, India.</p>	<p>A promising potential extract of Crofton weed, (<i>Ageratina adenophora</i>) to control cruciferous pests</p>
<p>Barun Dasgupta School of Natural Product Studies, Jadavpur University, Kolkata, India</p>	<p>Metabolite profiling & evaluation of CYP450 interaction potential of <i>Benincasa hispida</i>- An Indian medicinal food plant</p>
<p>Mohammad Faheem Khan Era's Lucknow Medical College, Era University, Lucknow, UP, India</p>	<p>Identification of Dietary Molecules as Potential SARS-CoV-2 Agents by using Computational Approach</p>
<p>Heisnam Rameshwari Devi Institute of Bioresources and Sustainable Development, Imphal, India.</p>	<p><i>In vitro</i> anticancer potential of some freshwater cyanobacteria from Northeast India</p>
<p>Ng Ngashangva Institute of Bioresources and Sustainable Development, Imphal, Manipur</p>	<p>De novo whole genome sequencing and proteomic analysis of antimicrobial peptides from <i>Paenibacillus peoriae</i> IBSD35, an endophytic bacterium isolated from traditionally used medicinal plant <i>Millettia pachycarpa</i> Benth.</p>
<p>N Mekrini Jennifer Institute of Bioresources and Sustainable Development, Imphal, Manipur</p>	<p>Evaluation of phytochemical analysis of <i>Prunus</i> species from Mao, Manipur</p>
<p>Thounaojam Salvia Devi Dept of Microbiology, Sikkim Manipal Institute of Medical Sciences (SMIMS), Gangtok, Sikkim, India</p>	<p>Drug resistance pattern of E-coli and <i>Klebsiella pneumoniae</i> isolated from clinical samples (Central Referral Hospital, Sikkim): a cause of concern in today's era.</p>
<p>Seha Singha School of Natural Product Studies, Jadavpur University, Kolkata, India</p>	<p>Marker profiling and <i>in-vitro</i> α-glucosidase & α-amylase inhibitory potential of <i>Cucurbita maxima</i> fruits – A food plant</p>

Oral Presentation II: Session XI: 02:30-05:00 PM (IST)

Chairpersons:

Mr. Prabir Banerjee, EC Member, Society for Ethnopharmacology, India
Dr. Pramod HJ, Head. Dept. of Pharm. Tech., KLE university, Belgaum, India
Dr. J.K. Shukla, Institute of Bioresources and Sustainable Development, Imphal, Manipur, India
Mr. Amitavo Das, EC Member, Society for Ethnopharmacology, India
Dr. Evanylla Kharlyngdoh, Institute of Bioresources and Sustainable Development, Imphal, Manipur, India
Mr. Bharat Somkuwar, Institute of Bioresources and Sustainable Development, Imphal, Manipur, India
Dr. Amit Kumar Rai, Institute of Bioresources and Sustainable Development, Imphal, Manipur, India

Name	Title
Lokesh Deb Institute of Bioresources and Sustainable Development, Regional Centre, Sikkim, India.	Identified therapeutic resources from industrial waste of <i>Cymbopogon flexuosus</i> (Nees ex Steud.) W. Watson (East Indian lemon grass)
Subecha Rai Institute of Bioresources and Sustainable Development, Regional Centre, Sikkim, India.	Actinomycetes isolates from <i>Panax sokpayensis</i> of Sikkim exhibiting antibacterial activity
Pardeep Kumar Bhardwaj Institute of Bioresources and Sustainable Development, Regional Centre, Sikkim, India.	Chemical and molecular analysis of ginsenoside biosynthesis in <i>Panax sokpayensis</i> : A potential ginseng resource from Northeastern Himalaya
Weekar Younis Raja Faculty of Applied Sciences and Technology, University of Kashmir, Srinagar, India	Hypolipidemic potential of hydro alcoholic root extract of <i>Viburnum cotinifolium</i> d.don in cholesterol induced albino rats
Khaidem Devika Chanu Institute of Bioresources and Sustainable Development, Imphal, India.	Phytochemical analysis of <i>Ageratina adenophora</i> plant for its antiproliferative and antitumor properties against human cancer cell lines
Yugeshwari modak Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra, India	Polyherbal Formulation Derived from Traditional Medicinal Plants for the Treatment of Arthritis
Sonia Sougrakpam Institute of Bioresources and Sustainable Development, Imphal, India.	Chemistry and behavioural activity of essential oil of <i>Artemisia</i> sp. against <i>Aedes aegypti</i>
Sayan Biswas School of Natural Product Studies, Jadavpur University, Kolkata, India.	Enhanced bioavailability and hepatoprotective potential of optimized (+) catechin catechin-phospholipid complex
P.C. Lalbiaknii Department of Botany, Mizoram University, Aizawl, India	In silico Validation and Pharmacological Activity of potent antiviral and anti-inflammatory Ethno-medicinal plants used by Traditional healers and Herbalists within Lunglei District, Mizoram
Hijam Aruna Chanu Department of Biotechnology, Manipur University, Imphal, India	Evaluation of antioxidant and neuroprotective activities of crude methanol extract of <i>Salix tetrasperma</i> leaves.
Ruth Zomuansangi Department of Biotechnology, Mizoram University, Aizawl, Mizoram	Anti-microbial and Antibiofilm potential of Viniferin (Phyto-compounds) against <i>Streptococcus pneumoniae</i>
Awadhesh Kumar Aromatic and Medicinal Plants, Mizoram University, Aizawl, India	Collection, Documentation of Ethnomedicinal Plants and Ethnic Foods of AO Tribe of Mokokchung, Nagaland
Kabrambam Dasanta Singh Institute of Bioresources and Sustainable Development, Imphal, India.	A study on insecticide molecule isolated from <i>Dillenia indica</i> against stored grain pests

<p>P. B. Lalthanpuii Department of Zoology, Mizoram University, Aizawl, Mizoram</p>	<p>Pharmacological potentials of <i>Acmella oleracea</i>, an ethnomedicinal plant of the Mizos</p>
<p>Soibam Thoithoisana Devi Institute of Bioresources and Sustainable Development, Imphal, India.</p>	<p>Cytotoxic activity of <i>Garcinia xanthochymus</i> extract against lung cancer cell line A549.</p>
<p>Suparna Ghosh School of Natural Product Studies, Jadavpur University, Kolkata, India.</p>	<p>Anti-Cholinesterase potential and safety evaluation of standardized <i>Ipomoea aquatica</i> (Forsk) extract</p>
<p>Sijagurumayum Dharmajyoti Devi Institute of Bioresources and Sustainable Development, Imphal, India.</p>	<p>Differential gene expression and immunohistochemical localization of the key melatonin bio-synthesizing enzymes in the testis of zebrafish (<i>Danio rerio</i>).</p>
<p>Kshetrimayum Vimi Institute of Bioresources and Sustainable Development, Imphal, India.</p>	<p>Anti-proliferative activity of crude methanolic extract of <i>Paris polyphylla</i>.</p>
<p>Subhalakshmi Shijagurumayum Department of Botany, Manipur University, Imphal, India</p>	<p>Metabolite Profiling of different pigmented rice (<i>Oryza sativa L.</i>) and study of antioxidant properties.</p>
<p>Leichombam Mohindro Singh Institute of Bioresources and Sustainable Development, Imphal, India.</p>	<p>Antioxidant and antimicrobial activity from methanolic extract of <i>Phyllanthus niruri</i></p>
<p>Thokchom Sonia Devi North Eastern Regional Institute of Science & Technology, Arunachal Pradesh, India</p>	<p>Role of wild banana pseudostems in socio-economic development, livelihood support and traditional medicine in Manipur</p>
<p>Sandipan Jana School of Natural Product Studies, Jadavpur University, Kolkata, India</p>	<p>Metabolite analysis and <i>in-vitro</i> α-glucosidase inhibitory potential <i>Luffa acutangula</i> (L.) Roxb (ridge gourd)</p>
<p>Thangjam Davis Singh Department of Biotechnology, Manipur University, Imphal, India</p>	<p>Anticancer effect of 'Compound X' and its synergistic effect to enhanced the therapeutic potential of chemotherapeutic drug 'Cisplatin'.</p>
<p>Nilesh K. Mehta Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra, India</p>	<p>A Comparative pharmacognostic study of <i>Asparagus racemosus</i> collected from wild and cultivated habitat</p>
<p>Surmani Huidrom Institute of Bioresources And Sustainable Development, Takyel, Imphal, India</p>	<p>Characterisation of antibacterial activity of Lactic acid bacteria from fermented passion fruit beverages</p>

Valedictory Program: 05:00 PM -05:30 PM (IST)



Shri Birendra K Sarkar
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Shri Indraneel Das
Vice President, SFE, India



Dr. C K Katiyar
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