



आज़ादी का अमृत महोत्सव  
**AZADI KA AMRIT MAHOTSAV**

# 9<sup>th</sup> Convention

## Society for Ethnopharmacology

*National Seminar on*  
**“Translational Research on Indian Medicinal Plants”**

Date: September 23-24, 2022

### PROGRAM SCHEDULE

*Jointly Organized by:*



**School of Natural Product Studies**  
Jadavpur University, Kolkata, India  
[www.jaduniv.edu.in](http://www.jaduniv.edu.in)



**Society for Ethnopharmacology**  
23/3, Shaktigarh, Jadavpur, Kolkata, India  
[www.ethnopharmacology.in](http://www.ethnopharmacology.in)



**IBSD-JU Collaborative Research Program**  
TEQIP Building, Jadavpur University, Kolkata, India  
[www.jaduniv.edu.in](http://www.jaduniv.edu.in)



**Institute of Life Sciences**  
Bhubaneswar, Odisha  
[www.ils.res.in](http://www.ils.res.in)



**CSIR-Indian Institute Chemical Biology**  
Raja S. C. Mullick Road, Kolkata  
[www.iicb.res.in](http://www.iicb.res.in)



**Seacom Skills University**  
Bolpur, West Bengal, India  
[www.seacomskillsuniversity.org](http://www.seacomskillsuniversity.org)

*Supported by:*



**National Medicinal Plant Board (NMPB)**  
Ministry of AYUSH, Govt. of India  
New Delhi, India

**Venue: Jadavpur University, Kolkata 700032, India**

## 9<sup>th</sup> Convention: SFE 2022

*National Seminar on*

### “Translational Research on Indian Medicinal Plants”

September 23-24, 2022

**Jointly organized by:**



**School of Natural Product Studies**  
**Jadavpur University, Kolkata**  
[www.jaduniv.edu.in](http://www.jaduniv.edu.in)



**Society for Ethnopharmacology**  
**Shaktigarh, Jadavpur, Kolkata**  
[www.ethnopharmacology.in](http://www.ethnopharmacology.in)



**IBSD-JU Collaborative Research Program**  
**TEQIP building, Jadavpur University, Kolkata**  
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**Institute of Life Sciences**  
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**CSIR-Indian Institute Chemical Biology**  
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**Seacom Skills University**  
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**Supported by:**



**National Medicinal Plant Board (NMPB)**  
**Ministry of AYUSH, Govt. of India**  
**New Delhi, India**

## PROGRAM SCHEDULE

**Day 01 (Friday) : September 23, 2022**

**Venue: Triguna Sen Auditorium, Jadavpur University, Kolkata**

**REGISTRATION: 09:00 – 10:00 AM**

**INAUGURAL PROGRAM: 10:00 - 11:15 AM**

**Prof. Suranjan Das, Vice Chancellor, Jadavpur University, Kolkata**

**Dr. Snehamanju Basu, Registrar, Jadavpur University, Kolkata**

**Prof. Chiranjib Bhattacharjee, Pro Vice Chancellor, Jadavpur University, Kolkata**

**Dr. A K Mangal, Director, Central Ayurveda Research Institute, Bidhannagar, Kolkata**

**Mr. Gour Krishna Pattanayak, Finance officer, Jadavpur University, Kolkata**

**Prof. Sanjay Gopal Sarkar, Joint Registrar, Jadavpur University**

**Shri. B.K. Sarkar, President, Society for Ethnopharmacology, India, Kolkata**

**Shri Anish Chakraborty, Chairman, Managing Trustee, Seacom Skills University, Bolpur**

**Dr. Arun Bandopadhyay, Director, CSIR-Indian Institute of Chemical Biology, Kolkata**

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

**Dr. C.K Katiyar, CEO, Healthcare & Technical, Emami Ltd., Kolkata & Vice President, Society for Ethnopharmacology, India, Kolkata**

**Prof. Matangini Chattopadhyay, Dean, Faculty of ISLM, Jadavpur University, Kolkata**

**Prof. Bhaskar Gupta, Dean, Faculty of Engineering & Technology, Jadavpur University, Kolkata**

**Prof. Sanmoy Karmakar, Head, Dept. of Pharmaceutical Technology, Jadavpur University, Kolkata**

**Prof. Rajib Bandopadhyay, Coordinator, IBSD-JU collaborative research program & Professor, Dept. of Instrumentation and Electronics Engineering, Jadavpur University, Kolkata**

**Dr. Subhash C Mandal, Secretary, Society for Ethnopharmacology, Kolkata, India**

**Prof. Pallab K Haldar, Organizing Secretary, National Seminar 2022 & Director, School of Natural Product Studies, Jadavpur University, Kolkata**

**Prof. Pulok Kumar Mukherjee, Director, Institute of Bioresources and Sustainable Development (IBSD), Imphal, India**

**HIGH TEA : 11:15-11:30 AM**

**Hall 1: Triguna Sen Auditorium**  
**Keynote Lecture: Session I: 11:30 AM - 01:00 PM**

**Chairperson:**

**Dr. Subhash C Mandal**, Secretary, Society for Ethnopharmacology, Kolkata, India

**Prof. Pankaj Kumar Roy**, Director, School of Water Resource Engineering, Jadavpur University, Kolkata

Speaker	Title
<b>About the Convention &amp; SFE</b>	
<b>Prof. Pulok K Mukherjee</b> Director, IBSD, Imphal & Founder, SFE, India	<b>“Translational Research on Indian Medicinal Plants”</b>
<b>Lecture: 1</b>	
<b>Dr. C K Katiyar</b> Vice President, SFE, India & CEO, Healthcare (Technical), Emami Ltd Kolkata, India	<b>“Translational Research on Botanicals: industrial perspectives”</b>
<b>Lecture: 2</b>	
<b>Prof. Kishor Patwardhan</b> Head, Faculty of Ayurveda Institute of Medical Sciences BHU, Varanasi, India	<b>“Ayurveda: a faith-based tradition, or, an inquiry- based science?”</b>
<b>Lecture: 3</b>	
<b>Prof. Mrinal Kanti Bhattacharyya</b> Professor School of Life Sciences, University of Hyderabad Hyderabad, India	<b>“Bottom-up and top-down approaches in anti-malarial drug discovery”</b>
<b>Lecture: 4</b>	
<b>Prof. Ramkrishna Sen</b> Professor Department of Biotechnology IIT, Kharagpur, India	<b>“Tapping and valorizing microbial and microalgal bioresources for natural products with significant therapeutic application potential”</b>

**LUNCH BREAK : 01:00-02:00 PM**

**Hall 1: Triguna Sen Auditorium**  
**Plenary Lectures : Session II: 02:00 PM - 03:00 PM**

**Chairperson:**

**Dr. Arun Bandyopadhyay**, Director, CSIR-Indian Institute of Chemical Biology, Jadavpur, Kolkata

**Prof. Asis Mazumdar**, Professor, Dept. of Water Resource Engg., Jadavpur University, Kolkata

Speaker	Title
<b>Lecture: 5</b>	
<b>Dr. Sunil K. Raghav</b> Scientist E Department of Immuno-genomics and Systems Biology, Bhubaneswar, India	<b>“How synthetic metabolic inhibitors can be used to perturb immune cell metabolism and thereby the immune response modulations”</b>
<b>Lecture: 6</b>	
<b>Prof. Sanjay Jachak</b> Coordinator, Mohali Local Chapter Society for Ethnopharmacology, Kolkata & Professor NIPER, Mohali, India	<b>“Translational Research in Drug Discovery from Medicinal Plants”</b>

**Lecture: 7****Prof. D K Mitra**

Head

All India Institute of Medical Sciences

New Delhi, India

“Enhancing host immunity through inhibition of Immune checkpoint inhibitors: Scope of plant derived molecules”

**Lecture: 8****Dr. Saikat Mallick**

Assistant Manager

Anchrom Enterprises (I) Pvt. Ltd

Mumbai, India

“HPTLC for the routine quality control of Herbal Medicines”

**Lecture: 9****Dr. Nanaocha Sharma**

Coordinator, Eastern Himalaya Local chapter

Society for Ethnopharmacology, India &amp;

Scientist, IBSD, Imphal, India

“Reimagine Ethnopharmacology: Globalization of Traditional Medicine”

**Hall 1: Triguna Sen Auditorium**  
**Plenary Lectures: Session III: 03:00 PM - 04:30PM**

**Chairpersons:****Prof. (Dr.) Mradu Gupta**, Professor & H.O.D, IPGAE & R at S.V.S.P, Kolkata, India**Dr. Achintya Mitra**, Regional Ayurveda Research Institute, Ranikhet Uttarakhand**Prof. Pallab K Haldar**, Director, School of Natural Product Studies, Jadavpur University, Kolkata

Speaker	Title
<b>Lecture: 10</b> <b>Dr. Sanjeeb Kumar Sahoo</b> Scientist F Institute of Life Sciences Bhubaneswar, India	“Phytochemical based nanomedicine: a panacea for cancer treatment”
<b>Lecture: 11</b> <b>Dr. J.P. Lyngdoh</b> Senior Scientist BRDC, Shillong, India	“Medicinal plants of Meghalaya: Potential leads”
<b>Lecture: 12</b> <b>Dr. Prakash R Itankar</b> Coordinator, Nagpur Local Chapter Society for Ethnopharmacology, Kolkata & Director, Technology Park RTM Nagpur University, Nagpur, India	“Focus on Translational Ethnopharmacology”
<b>Lecture: 13</b> <b>Dr. Jatin Kalita</b> Coordinator, Jorhat Local Chapter Society for Ethnopharmacology, Kolkata & Scientist, CSIR-NEIST, Jorhat, India	“Therapeutic potential of <i>Adhatoda vasica</i> (L.) Nees against Chronic Respiratory Diseases and Lung Carcinoma”
<b>Lecture: 14</b> <b>Dr. S. Indira Devi</b> Scientist Institute of Bioresources and Sustainable Development, Imphal, India	“Exploring bioresources of NER as antimicrobials”
<b>Lecture: 15</b> <b>Dr. Pramod H J</b> Coordinator, Belagavi Local Chapter Society for Ethnopharmacology, Kolkata & Professor, KLE University, Belagavi, India	“SWOT analysis of herbal drug utility”

**Hall 1: Triguna Sen Auditorium**  
**Plenary Lectures Session IV: 04:30 PM - 06:00 PM**

**Chairpersons:**

**Prof. Rajib Bandopadhyay**, Professor, Dept. of Instrumentation and Electronics Engineering,  
 Jadavpur University, Kolkata

**Dr. D P Ghosh**, Corporate Head, Technical & Scientific, Albert David Ltd.

**Dr. Shyamalendu Mukhopadhyay**, Director, ISM Drug control, Govt. of West Bengal, Kolkata

Speaker	Title
<b>Lecture: 16</b>	
<b>Dr. Surajit Sinha</b> Professor Indian Association for the Cultivation of Science Jadavpur, Kolkata, India	<b>“<i>Houttuynia cordata</i> (Thunb.): Standardization and effect in human hepatocarcinoma cell”</b>
<b>Lecture: 17</b>	
<b>Dr. Prasoon K Gupta</b> Coordinator, Jammu Local chapter Society for Ethnopharmacology, India & Scientist, CSIR-IIIM, Jammu, India	<b>“Gastro-protective Botanical Lead from <i>Woodfordia fruticosa</i> an Ayurvedic crude drug: Chemical standardization, efficacy, pharmacokinetics and safety pharmacology”</b>
<b>Lecture: 18</b>	
<b>Dr. Sayeed Ahmed</b> Coordinator, Delhi Local Chapter Society for Ethnopharmacology, Kolkata & Asso. Professor JAMIA HAMDARD, New Delhi, India	<b>“Translational approach of drug discovery from Medicinal Plants: A case study”</b>
<b>Lecture: 19</b>	
<b>Dr. K. Mruthunjaya</b> Coordinator, Mysuru Local Chapter Society for Ethnopharmacology, India & Professor, JSS College of Pharmacy, Mysuru	<b>“Anticancer efficacy and chemo-protective effects of Indian medicinal plants”</b>
<b>Lecture: 20</b>	
<b>Dr. Rajesh Singh Pawar</b> Coordinator, Bhopal Local Chapter Society for Ethnopharmacology, India & Principal, Truba Institute of Pharmacy TRUBA Campus, Bhopal, India	<b>“Agnihotra: A traditional approach to nurture environment”</b>
<b>Lecture: 21</b>	
<b>Dr. Pardeep K Bhardwaj</b> Scientist Institute of Bioresources and Sustainable Development, Imphal, India	<b>“Exploration of NER Bioresources for development of phytopharmaceuticals ”</b>

**Poster Presentation:  
Ground Floor Technology Bhawan**

**Session I: 11:30 AM – 01:00 PM**

***Evaluators:***

**Dr. Nishikant Raut**, RTM Nagpur University, Nagpur

**Dr. Jitendra K Shukla**, Scientist, Institute of Bioresources and Sustainable Development, Imphal, India

**Mr. Prabir Kumar Banerjee**, President, The Indian Pharmaceutical Association (Bengal Branch)

**Mr. Amitavo Das**, Head - Corporate Affairs, JD Kansultanci Service, Delhi, India

**Dr. Biswakanth Kar**, School of Pharmaceutical Sciences, Siksha O Anusandhan University, Bhubaneswar, India

**Dr. Manas Bhowmick**, Assistant Professor, Dept. of Pharm. Tech., Jadavpur University, Kolkata

**Dr. Emdad Hossain**, Asst. Professor, Department of Pharmaceutical Technology, Jadavpur University, Kolkata

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SNPS- JU-CONV- 22/002	SNPS- JU-CONV- 22/021	SNPS- JU-CONV- 22/040
SNPS- JU-CONV- 22/003	SNPS- JU-CONV- 22/022	SNPS- JU-CONV- 22/041
SNPS- JU-CONV- 22/004	SNPS- JU-CONV- 22/024	SNPS- JU-CONV- 22/042
SNPS- JU-CONV- 22/005	SNPS- JU-CONV- 22/025	SNPS- JU-CONV- 22/043
SNPS- JU-CONV- 22/006	SNPS- JU-CONV- 22/026	SNPS- JU-CONV- 22/044
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SNPS- JU-CONV- 22/019	SNPS- JU-CONV- 22/038	SNPS- JU-CONV- 22/055

**Session II: 02:15 PM – 03:45 PM**

***Evaluators:***

**Dr. Alok Goyal**, Scientist, National Institute of Pharmaceutical Education and Research, Mohali, India

**Dr. Kakali Mukherjee**, Joint Treasurer, Society for Ethnopharmacology, India

**Dr. Subhadip Banerjee**, Co-founder , MetaspeQ, India

**Dr. Nilanjan Ghosh**, Asst. Professor, Dept. of Pharm. Tech., Jadavpur University, Kolkata

**Dr. Alok Pal Jain**, Professor & Principal, RKDF College of Pharmacy, Bhopal, India

**Dr. Aminul Islam**, Senior Scientist (R&D, QA and QC), M/S ALONA, Kolkata, India

**Dr. Mainak Chakraborty**, Asst. Prof., NSHM Knowledge Campus Group of Institution, Kolkata

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### Session III: 04:00 PM – 05:30 PM

***Evaluators:***

- Dr. Subrata Pandit**, Senior Research Scientist, TCG Life Sciences, Kolkata  
**Dr. Gaurgopal Maiti**, Technical Advisor, Parker Robinson, Pvt. Ltd., Kolkata  
**Mr. Monojit Debnath**, Assistant Professor, Bengal Institute of Pharmaceutical Sciences, Kolkata  
**Dr. Keithellakpam Ojit Singh**, Project Scientist, Institute of Bioresources & Sustainable Development, Imphal  
**Dr. Rahul Banik**, Asst. Professor, Rajiv Gandhi, Memorial Ayurvedic College & Hospital, Kankinara, India  
**Dr. Joydeb Chanda**, Medical Science Liaison, Servier India Pvt. Ltd, Kolkata, India  
**Dr. Sayan Biswas**, Asst. Professor, Adamas University, Kolkata, India  
**Dr. Sayantan Bera**, Lecturer & VP, Dept. of Panchakarma, J B Roy State Ayurvedic Medical College & Hospital, Kolkata

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Day 02 (Saturday): September 24, 2022

Venue: Seminar Hall, IBSD-JU, TEQIP Building, Jadavpur University, Kolkata

Hall 3: Conference Hall, IBSD-JU Collaborative Research Program

Session V: 09:00 AM – 10:00 AM

Ethnopharmacology Conclave: Traditional Healers Meet

**Moderators:**

Mr. Kalyan Nath, CIT (Appeals), Unit-1, Guwahati

Dr. Prakash R. Itankar, Professor, R. T. M. Nagpur University, Nagpur, India

Dr. Pramod H.J., Professor, KLE Deemed to be University, Belagavi

Dr. Nanaocha Sharma, Scientist-E, Institute of Bioresources & Sustainable Development, Imphal

Dr. Dayanidhi Pradhan, Administrative officer, Institute of Life Sciences, Bhubaneswar, India

Mr. Subhamay Dhar, Executive Director, Seacom Group, Bolpur,

**Traditional Healthcare Practitioners**

Vaidya Sukhlal Ji  
Jharkhand, India

Vaidya Anup Kumar Sarkar  
West Bengal, India

Vaidya Sabitabrata Das  
West Bengal, India

Vaidya Gajendra Gupta  
West Bengal, India

Shri Nirmal Kumar Awasthi  
Chhattisgarh

Hall 2: Seminar Hall, Room-109

Session VI: 10:00 AM – 01:30 PM

Young Ethnopharmacologist Competition

**Evaluators:**

Dr. Subhajit Biswas, Scientist, CSIR-IICB, Kolkata, India

Dr. Soma Chattopadhyay, Scientist, Institute of Life Sciences, Bhubaneswar, India

Dr. Pardeep K Bhardwaj, Scientist, IBSD, Imphal

Dr. Anshuman Dixit, Scientist, Institute of Life Sciences, Bhubaneswar, India

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

Dr. Asis Bala, Associate Professor, GNIPST, Kolkata

Dr. Amit Kar, Project Scientist, IBSD, Imphal

Dr. Sagnik Halder, Sr. Research Scientist, Emami Limited, Kolkata, India

Name	Abstract No. & Title
Manosi Das	<b>SNPS-JU-CONV-22/008</b> Phyto-pharmacognostical, HPTLC and Mass spectrometric investigation of some Indian medicinal plants and formulations
Atithi Majumdar	<b>SNPS-JU-CONV-22/017</b> HPTLC Fingerprint Profile and in-vitro $\alpha$ -amylase inhibitory potential of ethanolic extract of <i>Glinus oppositifolius</i>
Shourya Karmakar	<b>SNPS-JU-CONV-22/023</b> Exploring Hibiscus Leaf Mucilage in Development of Swellable Gastroretentive Drug Delivery System
Suparna Ghosh	<b>SNPS-JU-CONV-22/031</b> Quality evaluation of North East Indian Ginger Varieties

<b>Dr. Bhupesh Chander Semwal</b>	<b>SNPS-JU-CONV-22/057</b> Evaluation of Anti-arthritic activity of <i>Cedrus deodara</i> leaves against CFA-induced arthritis in Sprague Dawley rats
<b>Dr. Prachurjya Dutta</b>	<b>SNPS-JU-CONV-22/065</b> The Ethno-Entomotherapeutic role of Edible Insects Derived Bioactive Components from North East India
<b>Vaishali Tiwari</b>	<b>SNPS-JU-CONV-22/072</b> Phytochemical investigation and pharmacological screening of <i>Sphaeranthus indicus</i> Linn
<b>Sandipan Jana</b>	<b>SNPS-JU-CONV-22/075</b> Investigation of In-vitro and in-vivo anti-diabetic potential of <i>Solena heterophylla</i> fruits from Cucurbitaceae family
<b>Oishani Chatterjee</b>	<b>SNPS-JU-CONV-22/080</b> Evaluation Of the Antitumor Activity and Effectiveness of Phytocannabinoids for Inhibition of Insulin Stimulated Progression and Migration of Breast Cancer Cells
<b>Apoorva Dwivedi</b>	<b>SNPS-JU-CONV-22/086</b> Microwave assisted green synthesis of silver nanoparticles mediated by <i>Mitragyna parvifolia</i> bark extract and their biological activities
<b>Dr. Pankaj Bharali</b>	<b>SNPS-JU-CONV-22/095</b> Offbeat of alpine Arunachal Himalaya: the beauty of nature's secret treasure trove
<b>Dr. Yogesh Murti</b>	<b>SNPS-JU-CONV-22/112</b> Molecular Spectroscopic (UV-Vis and FT-IR) and Hyphenated Chromatographic (HPLC-qToF-MS-ESI) Based Analysis of Bioassay Guided Hydro-ethanolic Extract and Its Different Fractions of <i>Calotropis procera</i> R.Br. Young Leaves
<b>Atanu Mandal</b>	<b>SNPS-JU-CONV-22/125</b> Preclinical safety assessment of Cat's whiskers flavonoid (5-hydroxy-3, 7, 4'-trimethoxy flavone (5HTMF)) isolated from <i>Cleome gynandra</i> L. in development toxicity of zebrafish embryos using hepatotoxic dexamethasone as standard
<b>Chiranjit Dey</b>	<b>SNPS-JU-CONV-22/139</b> Possible Role of Gonadotropin Releasing Hormone in the Adaptogenic Effect of Ashwagandha
<b>Dibyendu Das</b>	<b>SNPS-JU-CONV-22/141</b> Ameliorative role of Hawaii jar, an ethnic variety of fermented soybean food of Northeast India against impaired muscle glucose metabolism linked with diabetes mellitus
<b>Rasmita Jena</b>	<b>SNPS-JU-CONV-22/147</b> Scientific validation of wound healing potential of <i>Millettia extensa</i> stem bark extracts using experimental animal model
<b>Pradip Debnath</b>	<b>SNPS-JU-CONV-22/151</b> Metabolite profiling and safety evaluation of the different varieties of cucumber ( <i>Cucumis sativus</i> L.) fruit through interaction of cytochrome P450 (CYP) enzymes

<b>Disha Dhabarde</b>	<b>SNPS-JU-CONV-22/152</b> Anti-inflammatory activity of synthesized zinc oxide nanoparticles from fruit extract of <i>Acacia auriculiformis</i> by green method
<b>Yogita Dahat</b>	<b>SNPS-JU-CONV-22/155</b> NMR spectroscopy-based characterization of clove oil-loaded nano-cargos
<b>Twahira Begum</b>	<b>SNPS-JU-CONV-22/157</b> Association and path analysis of <i>Zingiber officinale</i> , an important Indian Medicinal Plant: Way to effective breeding programme

## Valedictory Program: 01:30 PM - 02:00 PM

Hall 2: Seminar Hall, Room-109

**Dr. Snehamanju Basu**, Registrar, Jadavpur University, Kolkata

**Dr. V Ravichandiran**, Director, NIPER, Kolkata, India

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

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

**Dr. CK Katiyar**, CEO, Healthcare & Technical, Emami Ltd., Kolkata & Vice President, Society for Ethnopharmacology, India, Kolkata

**Dr. Subhash C Mandal**, Coordinator, 9th Convention, SFE-India & Secretary, Society for Ethnopharmacology, India

**Prof. Rajib Bandopadhyay**, Coordinator, IBSD-JU collaborative research program & Professor, Dept. of Instrumentation and Electronics Engg., Jadavpur University, Kolkata

**Prof. Pallab K Haldar**, Organizing Secretary, 9th Convention: SFE-India & Director, School of Natural Product Studies, Jadavpur University, Kolkata, India

**Prof. Pulok K Mukherjee**, Director, Institute of Bioresources and Sustainable Development, Imphal, India & Founder, Society for Ethnopharmacology, India

**Award Ceremony:**  
**Best Oral & Poster Presentation**

**LUNCH: 02:00 PM – 03:00 PM**