Subject: Formation of Student Organizing Committee for the 25th INDO-US Conference 2024

Dear Students,

We are excited to announce the formation of the Student Organizing Committee for the 25th INDO US Conference, scheduled from 3rd and 4th of February 2024. The active involvement of students in the planning and execution of this prestigious event is vital to its success.

We are proposing following key members of the committee and outline their roles and responsibilities in organizing and executing the key functions of the conference.

All Members of the student Organizing committee work in the guidance of Core Indo-US Committee and BBAU Local Organizing Committee.

Composition of the 25th INDO-US BBAU Student Organizing Committee:

Committee Chairperson:
The Committee Chairperson will provide leadership and direction to the student organizing team. They will oversee the coordination of all activities and ensure alignment with the conference's objectives.

Vice-Chairperson:
The Vice-Chairperson will assist the Chairperson and take on responsibilities in their absence. They will also lead specific subcommittees or projects as assigned related to 25th INDO-US Flow Cytometry Workshop.

Program Coordinator:
The Program Coordinator will work closely with academic advisors and experts to assist in curating the conference program. They will help identify and invite speakers, arrange sessions, and manage program-related logistics.

Logistics and Venue Manager:
Responsible for logistical aspects, including venue selection and management, accommodation arrangements, and transportation logistics. Works closely with the university administration.

Marketing and Promotion Specialist:
The Marketing and Promotion Specialist will create and execute marketing campaigns to promote the conference among students and the wider community. They will manage social media, website content, and other promotional activities.

Sponsorship and Fundraising Coordinator:
This member will be responsible for reaching out to potential sponsors and partners to secure funding and support for the conference. They will work alongside the university's development office.

Registration and Participant Engagement Manager:
Responsible for managing the conference registration process, assisting attendees, and planning engaging activities to enhance the conference experience.
Technical Support Lead:
Ensures that all technical aspects of the conference run smoothly, including audio-visual equipment, live streaming, and digital platforms. Works closely with the university’s IT department.

Post-conference Evaluation and Reporting Coordinator:
Collects feedback from conference participants and sponsors to evaluate the conference’s success. Prepares reports and identifies areas for improvement.

How to Get Involved:
We invite enthusiastic and dedicated students who are interested in becoming part of the Student Organizing Committee to express their interest by December 20, 2023. Students should write a key motivation and their interest to become a participant of the above Student INDO-US Flow Cytometry Committee. This is an excellent opportunity to gain valuable experience, enhance your leadership skills, and contribute to the success of a prestigious international event.

Students and members of the student committee who will show commitment and help the University for the successful organization of 25th INDO-US Flow Cytometry will receive appreciation letters.

Eligibility:
Students and Research Scholars, who have enthusiasm, motivation, good leadership, communication, management skills,

We look forward to collaborating with each of you as we work together to make the 25th INDO-US Conference a memorable and impactful experience.

Those who are interested can contact Organizing secretary of the Indo-US Flow cytometry Workshop and send email on bbaufacsworkshop2024@gmail.com

Thank you for your commitment and enthusiasm.

Thanking you for cooperation

Best regards,

Dr. Sunil Babu Gosipatla
Organizing Secretary,
Indo-US Immunology and Flow Cytometry Conference
Department of Biotechnology, BBAU Lucknow, UP, India
Flow Cytometry and its Applications in Biology
3rd – 4th February 2024

Jointly Organized by
Babasaheb Bhimrao Ambedkar University (BBAU), Lucknow
Accredited ‘A++’ Grade by NAAC (2023), NIRF (Ranked 42), ISO 14001:2015
Department of Biotechnology and Department of Pharmaceutical Sciences
&
Trust for Education and Training in Cytometry, India

Highlights of the Workshop

- 2-days workshops from, 3rd & 4th February 2024.
- Cutting-Edge Research: Immerse yourself in presentations and discussions showcasing the most recent breakthroughs and research findings made possible by flow cytometry.
- Technological Advancements: Discover the latest developments in flow cytometry instrumentation, data analysis, and software that are shaping the future of this field.
- Workshops and Tutorials: Participate in hands-on workshops and tutorials to enhance your skills and gain practical insights into flow cytometry techniques.
- Networking Opportunities: Connect with fellow attendees who share your passion for flow cytometry, forging valuable relationships and opportunities for collaboration.
- Awards: Workshop Quiz Winners will get Dr. Awtar Krishan Award and TETC Awards for best Poster Presentations.
## TECHNICAL PROGRAM

### Day 0 (2nd February 2024)

<table>
<thead>
<tr>
<th>TIME (IST)</th>
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<tbody>
<tr>
<td>3:00pm</td>
<td>Run for Mental Health</td>
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<td></td>
<td>Venue- SSBT</td>
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### Day 1 (3rd February 2024)

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<tr>
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<td>Registration</td>
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<td>Wet Lab 1: KYC and Setup of the Instrument</td>
<td>Himanshu Tillu</td>
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<td>Wet Lab 2: Cell Cycle and Ploidy Analysis</td>
<td>Rekha Gour/ Satyendra K Singh</td>
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<td>Paul Wallace/ Mrigank Srivastava</td>
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<td>Rui Gardner</td>
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<td>Wet Lab 4: Immunophenotyping</td>
<td>Brent Wood/ Rajiv Srivastava</td>
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</tr>
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Registration fees:

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<tr>
<th></th>
<th>Graduate/UG</th>
<th>Research Scholar</th>
<th>Post-Doc</th>
<th>Faculty/Scientist</th>
<th>Industry/Non Academician</th>
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<tr>
<td>Early bird 10.01.2024</td>
<td>*Rs 1500/20 USD</td>
<td>*Rs 2000/25 USD</td>
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<td>*Rs 3000/35 USD</td>
<td>*Rs 5000/55 USD</td>
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<td>After 10.01.2024</td>
<td>*Rs 2000/25 USD</td>
<td>*Rs 2500/30 USD</td>
<td>*Rs 3000/35 USD</td>
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<td>*Rs 6000/65 USD</td>
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<td>On the spot</td>
<td>*Rs 3000/35 USD</td>
<td>*Rs 4000/45 USD</td>
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<td>*Rs 6000/65 USD</td>
<td>*Rs 9000/95 USD</td>
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*18% GST extra

Last date for Registration: 10th Jan, 2024

Click below the Register Now button to access the Registration form

Register Now

Registration Fee covers entry to all scientific sessions which includes lectures and lab modules, seminar kit, certificates, breakfast, working lunch, dinner, tea, etc., during the workshop.

**Accommodation:** Limited accommodation is available in the university guest house, and can be provided on a first come first serve basis. There are good hotels nearby Babasaheb Bhimrao Ambedkar University.

**Account Details**

Account Name - 25th INDO US Flow Cytometry Workshop 2024
Account Number - 110157977715
Bank & Branch Name- Lucknow BBA University, Canara Bank
IFSC Code - CNRB0002900

**Contact the workshop secretariat:**

Dr. Sunil Babu Gospatila - 09455036926
Prof. P.S. Rajnikanth - 08939311260
Mr. Raj Kumar Khalko - 8604351825

**Accommodation:** Dr. Vikas Mishra- 8840889812; Mr. Muneet Singh - 9716084931

**Travel:** Dr. M. Vijay Kumar - 9793947762; Ms. Arti Priyadarshini - 8171142188

**Certificates:** Dr. Monica Sharma - 9717386785; Ms. Jiya Jayant - 8630049172
International Faculty

Prof. Paul Wallace, USA
Prof. Brent Wood, USA
Dr. Derek Davies, UK
Dr. Rui Gardner, USA

National Faculty

Dr. Hemant Agrawal, TETC, India
Dr. Rekha Gaur, TETC, India
Dr. Himanshu Tillu, TETC, India
Dr. Rajiv Kumar, IMS-BHU, Varanasi, India
Dr. Satyendra Kumar Singh, KGMU, Lucknow, India
Dr. Mrigank Srivastava, CSIR-CDRI, Lucknow, India
Dr. Sunil Babu Gospalata, BBAU, Lucknow, India

Local Organizing Committee, BBAU, Lucknow

Patron: Prof. Sanjay Singh, Vice Chancellor
Co-Patron: Prof. Rana Pratap Singh, Dean
Chair Person: Prof. Sanjeeva Saxena, Dean, SLS
Convener: Prof. D. R. Modi, Head, DBT
Organizing Secretary: Dr. Sunil Babu Gospalata, DBT
Co-Organizing Secretary: Prof. P.S. Rajimikanth, Head, DPS
Joint Organizing Secretaries:
1. Dr. Monica Sharma, DBT
2. Dr. Vishal Mishra, DPS
Treasurer: Dr. Yusuf Akhtar, DBT
Executive Members:
Prof. Shisir Kumar, Director R&D
Prof. Gaurav Khilwais, Dean, DPS
Prof. Sanjay Kumar, Dean, SAS
Prof. N.K. Arora, Dean, SFS
Prof. B.C. Yadav, Dean, DPS
Prof. U.V. Kiran, Dean, HD&FS
Prof. Ramchandra, Head, DOE&M
Prof. V. Elangovan, Head, DOZ
Prof. Deepa H Dwivedi, Head, DOH
Prof. Gajanan Pandey, Head, DOC
Prof. Narendra Kumar, Head, DOG
Prof. Neetu Singh, Head, HD&FS
Prof. Kamal Jaiswal, DOZ
Prof. Anjani Tiwari, DOC
Prof. Venkatesh Kumar, DOZ
Dr. Vijay Kumar, DPS
Dr. Ratika Srivastava, DBT

INDO-US Organizing Committee

Patron: Prof. Atwar Krishan
Organizing Chair Person: Dr. Rekha Gaur
Organizing Secretaries: Dr. Hemant Agrawal
Dr. Sunil Babu Gospalata
Dr. Khaliqu Rahaman
Dr. Satyendra Kumar Singh
Dr. Mrigank Srivastava
Members: Dr. Vivek Tawade
Dr. H. Krishnamurthi
Dr. Himanshu Tillu
Dr. Maya Gupta
Dr. Rajendra Kumar
Dr. Abhishek Pandey
Advisory Committee: Prof. R. C. Sobti
Dr. Arvinder Singh
Dr. P.N. Razdan
Dr. Paul Wallace
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Flow Cytometry and its Applications in Biology
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Department of Biotechnology and Department of Pharmaceutical Sciences &
Trust for Education and Training in Cytometry, India

"Title of the Workshop: "Flow Cytometry and its Applications in Biology"
About the University:

An Act (No. 58 of 1994) from the parliament established the Babasaheb Bhimrao Ambedkar University. The university distinguishes itself as a socially responsible learning community of high-quality scholarship and academic rigour sustained by social justice and equity principles for which Babasaheb Bhimrao Ambedkar worked during his lifetime. The university draws from Uttar Pradesh and other states' cultural, intellectual, and economic resources to enrich and strengthen its educational programs. The Vision of the University is, “To be a dynamic, creative and competitive Centre of Excellence in advanced knowledge, especially relevant for the development of the nation and of the socially, educationally and economically marginalized sections of the people”. In 2023, the university achieved the prestigious 'A++' Grade accreditation by NAAC, solidifying its commitment to excellence in education. Additionally, it secured the impressive 42nd position in the NIRF rankings, affirming its standing among the top educational institutions.

About the Department of Biotechnology:

The Department of Biotechnology, established in 2005, offers M.Sc. and Ph.D. programs in various disciplines, including Enzyme Technology, Protein Chemistry, Microbial Technology, Plant Molecular Biology, Immunotechnology, and Bioinformatics. The department also introduced self-financed courses in Industrial Biotechnology and Bioinformatics for 2022-23. The curriculum adheres to the Choice-Based Credit System and is regularly updated. The department prioritizes practical training, seminars, and research-based projects to align students with global biotechnology requirements.

About the Department of Pharmaceutical Sciences:

The Department offers M.Pharma programs in Pharmacology, Pharmaceutics, and Pharmaceutical Analysis. The permanent faculty members are all well qualified and are assisted by experts in the field of Pharmaceutical Sciences to enable a holistic environment of learning. The department is equipped with state-of-the-art infrastructure and equipment. The library has the latest journals of pharmacy from reputed publishing houses like Wiley-Blackwell, Springer-Verlag, Taylor & Francis, and so on. The department also offers Ph.D. Program in Pharmaceutical Sciences. Alumni of the department are placed in the Industry, Drug Regulatory Department, Teaching, and host other profiles.
About INDO-US Workshops:

The INDO-US flow cytometry workshops in India were started by Prof. Awtar Krishan (USA) in collaboration with Dr. Ranbir Sobe (India) and Dr. Arvinder Singh (India) in 2002. These workshops were started with a vision of bringing experts from India, USA and abroad to the same platform, where their expertise can be harnessed by the participants to understand the basics and advanced concepts in flow cytometry and to apply this insight to their biological research and clinical diagnostics.

These workshops are conducted in collaboration with educational and research institutes, universities, hospitals etc all over India. International and National faculties are invited to these workshops to deliver the lectures and conduct wet labs. Since 2002, these workshops have been generously supported by government funding agencies, international societies, corporates and technology manufacturers. Looking at the increasing demand and requirement of these educational programs,

About Trust for Education and Training in Cytometry (TETC)

Trust for Education and Training in Cytometry (TETC) is a non-for-profit organization with a mission of building cytometry community. Looking at the increasing demand and requirement of flow cytometry educational programs, Prof. Awtar Krishan, a visionary and father of flow cytometry education in India, decided to form a non-profit organization, TETC, in the year 2018. The responsibility for the same was given to Dr. Rekha Gour, who has been associated with INDO-US Flow cytometry workshops since 2002. Dr. Rekha Gour, managing Trustee-TETC, is instrumental in connecting TETC with flow cytometry community to organize and conduct Flow cytometry workshops in India, and outside India. TETC carries out flow cytometry educational activities independently and in collaboration with national and international organizations through onsite and online programs. The sole aim of TETC is to provide a platform for biomedical students, technologists, scientists etc. to gain the basics and advanced knowledge about flow cytometry directly from national and international experts, who are involved in education and training in flow cytometry all over the world. TETC is carrying the legacy ahead and is organizing SILVER JUBILEE edition of 25th INDO-US Flow Cytometry Workshop from 3rd – 4th February 2024 at the Department of Biotechnology, BBAU, Lucknow.
INDO-US Flow Cytometry Workshop Invited Faculty

International Faculty

Prof. Paul Wallace, USA
Prof. Brent Wood, USA
Dr. Derek Davies, UK
Dr. Rui Gardner, USA

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Dr. Himanshu Tillu, TETC, India
Dr. Rajiv Kumar, IMS-BHU, Varanasi, India
Dr. Satyendra Kumar Singh, KGMC, Lucknow, India
Dr. Mrigank Srivastava, CSIR-CDRI, Lucknow, India
Dr. Sunil Babu Gospipatala, BBAU, Lucknow, India

INDO-US Organizing Committee

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                   Dr. Khaliqu Rahma
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About 25th INDO-US Flow Cytometry Workshop:

BBAU, Lucknow will be hosting the **2-day workshop as a part of SILVER JUBILEE 25th INDO-US Flow Cytometry Workshops**, a prominent scientific event in the field of biology and cytometry, from 3\textsuperscript{rd} to 4\textsuperscript{th} February 2024 at the Department of Biotechnology. This workshop will serve as a platform for national and international researchers, scientists, and experts to exchange knowledge, share the latest advancements, and discuss the applications of flow cytometry in various biological discipline.

Program Objectives:

The theme of the workshop is **“Flow Cytometry and Its Applications in Biology.”** Flow cytometry represents an instrumental method for meticulously measuring distinct physical and chemical traits of individual cells or particles as they traverse a sensing point. A defining aspect of Flow Cytometric analysis lies in its capacity to conduct discrete measurements on each cell or particle within a suspension, rather than aggregating data for the entire population. In this technique, cells tagged with fluorochrome-conjugated antibodies in suspension are introduced into a liquid jet and sequentially propelled through a laser beam. As cells progress through the
flow, they emit both fluorescence and scattered light. These emitted signals are gathered and translated by the flow cytometer to yield quantitative insights into the fluorescence intensity and light-scattering attributes of each cell. The remarkable ability of flow cytometers to assess multiple cellular parameters founded on light scattering and fluorescence, thereby facilitating the isolation of specific cell subpopulations, has significantly amplified the adoption of this methodology within the realms of biology and medicine."

The primary goal of the workshop is to offer a two-day training program focused on Flow Cytometry and its Applications in Biology. The workshop aims to disseminate fundamental knowledge concerning the principles and functionality of a flow cytometer, along with its diverse applications, to both students and researchers.

This objective will be fulfilled through a combination of lectures, demonstrations, and hands-on training sessions with the instrument.

Focus Area: The main focus area of the workshop will include

- Basic principles of Flow Cytometry, Flow cytometer components, Sample preparation, choice of fluorochrome to be used, data analysis and fluorescence-activated cell sorting.
- DNA Content analysis of animal and plant cell.
- Apoptosis and Autophagy Detection.
- Data Analysis.

Overall, the workshop will provide insight into the technique of flow cytometry and its application, thereby providing students and researchers from varying field with knowledge to understand, plan and carryout experiments using flow cytometry.
This workshop will cover the following topics:

- Basics of Flow Cytometry & its applications
- Inside the Black Box: Know your Cytometer
- Quality control in Flow Cytometry
- DNA and cell cycle analysis
- Apoptosis, autophagy and proliferation
- Multicolor Immunophenotyping
- Data Analysis and Presentation

Highlights of the 25th INDO-US Flow Cytometry workshop:

Cutting-Edge Research: Immerse yourself in presentations and discussions showcasing the most recent breakthroughs and research findings made possible by flow cytometry.

Technological Advancements: Discover the latest developments in flow cytometry instrumentation, data analysis, and software that are shaping the future of this field.

Clinical Applications: Explore how flow cytometry is transforming clinical diagnostics, precision medicine, and therapeutic development.

Multidisciplinary Collaboration: Foster collaborations between researchers, clinicians, industry leaders, and academia to drive innovation and address complex challenges.

Workshops and Tutorials: Participate in hands-on workshops and tutorials to enhance your skills and gain practical insights into flow cytometry techniques.

Networking Opportunities: Connect with fellow attendees who share your passion for flow cytometry, forging valuable relationships and opportunities for collaboration.

We believe that by gathering experts and enthusiasts in the field of flow cytometry, we can collectively propel scientific progress and accelerate breakthroughs that benefit humanity. This conference is a testament to the enduring Indo-US collaboration in the pursuit of knowledge.

Awards: Quiz Winners will get Dr. Awtar Krishan Award and TETC Awards for the best Poster Presentations.
Goals of 25th INDO-US Flow Cytometry Workshop:

1. **Knowledge Dissemination:** Our foremost goal is to disseminate knowledge and insights related to flow cytometry's latest developments, applications, and best practices. This knowledge transfer is vital for the continued growth of the field.

2. **Inspiration and Innovation:** We aspire to inspire attendees by showcasing groundbreaking research and encouraging innovative thinking. We believe that this inspiration will lead to the generation of novel ideas and solutions.

3. **Strengthening the INDO-US Partnership:** The conference is a testament to the strong Indo-US collaboration in the scientific community. We aim to strengthen this partnership by providing a platform for collaborative research and shared experiences.

4. **Professional Development:** Through workshops and tutorials, we hope to contribute to the professional development of attendees, empowering them to achieve greater success in their respective careers and research endeavours.

5. **Advancing Flow Cytometry Applications:** Ultimately, our goal is to advance the field of flow cytometry itself. By bringing together the brightest minds and fostering collaboration, we aim to drive innovations that will impact diverse sectors, from healthcare to biotechnology.

**Future Perspective:**

The 25th INDO-US Flow Cytometry Workshop not only celebrated the achievements and advancements in the field but also laid the groundwork for future collaboration, innovation, and application of flow cytometry in biology. As a result of this workshop, researchers anticipate an even more profound impact of flow cytometry on diverse biological disciplines in the coming years.

**How to reach BBA University**

**By Train:** Charbagh Railway station is located about 10 km (via jail road) from the BBAU Campus. **By Air:** The nearest airport to the BBAU campus is Chaudhary Charan Singh International Airport, Lucknow, at a distance of 6.9 km and it takes 16 minutes to cover the distance.
**Silver Jubilee 25th Indo-US Flow Cytometry Workshops**

**Registration fees:**

<table>
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<tr>
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<th>Graduate/UG</th>
<th>Research Scholar</th>
<th>Post-Doc</th>
<th>Faculty/Scientist</th>
<th>Industry/Non-Academician</th>
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<tr>
<td>Early bird 20.01.2024</td>
<td>*Rs 1500/ 20 USD</td>
<td>*Rs 2000/ 25 USD</td>
<td>*Rs 2500/ 30 USD</td>
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<td>After 20.01.2024</td>
<td>*Rs 2000/ 25 USD</td>
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<td>*Rs 6000/ 65 USD</td>
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<td>On the spot</td>
<td>*Rs 3000/ 35 USD</td>
<td>*Rs 4000/ 45 USD</td>
<td>*Rs 5000/ 55 USD</td>
<td>*Rs 6000/ 65 USD</td>
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</tbody>
</table>

*18% GST extra

**Last date for Registration: 10th Jan, 2024**

Click Below the Register Now Button to access the Registration form

Registration Fee covers entry to all scientific sessions which includes lectures and lab modules, seminar kit, certificates, breakfast, working lunch, dinner, tea, etc, during the workshop.

**Accommodation:** Limited accommodation is available in the university guest house, and can be provided on a first come first serve basis. There are good hotels nearby Babasaheb Bhimrao Ambedkar University.

**Account Details**

- **Account Name:** 25th INDO US Flow Cytometry Workshop 2024
- **Account Number:** 110157977715
- **Bank & Branch Name:** Lucknow BBA University, Canara Bank
- **IFSC Code:** CNRB0002900

**Contact the workshop secretariate:**

- Dr. Sunil Babu Gosipalata - 09455036926
- Prof. P.S. Rajikanth - 08939311260
- Mr. Raj Kumar Khaloo - 8604351825

**Accommodation:** Dr. Vikas Mishra - 8840889812; Mr. Muneeet Singh - 9716084931

**Travel:** Dr. M. Vijay Kumar - 9793947762; Ms. Arti Priyadarshini - 8171142188

**Certificates:** Dr. Monica Sharma - 9717386785; Ms. Jiya Jayant - 8630049172

**Poster Presentation:** 3rd & 4th Feb, 2024

**Last date of Abstract Submission:** 20th Jan, 2024

**Abstract Notification:** 30th Jan, 2024