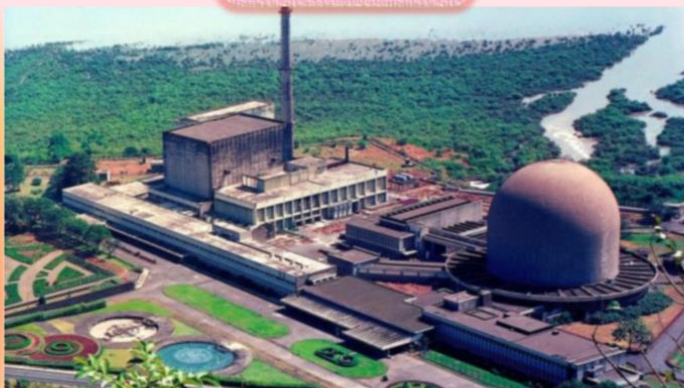


*11<sup>th</sup> DAE - BRNS Biennial Symposium on  
Emerging Trends in Separation Science and Technology  
(SESTEC-2024)*

*at*

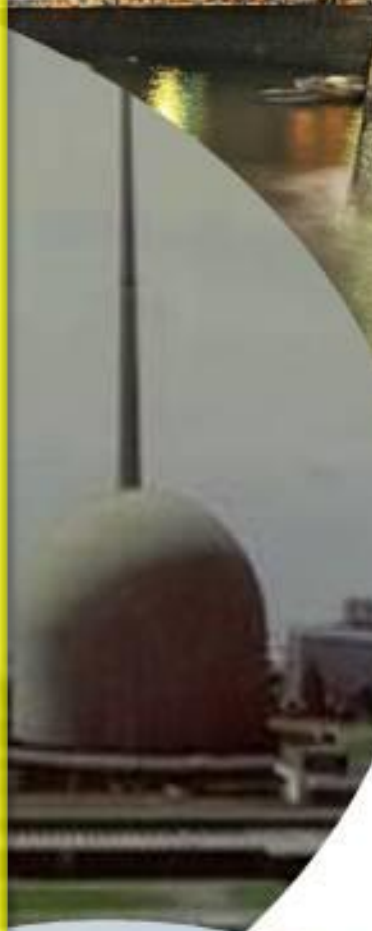
*HSNC University (A State Public University), Worli, Mumbai  
July 10-13, 2024*



*Organized by  
Bhabha Atomic Research Centre, Mumbai  
in association with  
HSNC University (A State Public University), Mumbai  
and Association of Separation Scientists  
and Technologists (ASSET)*

# SESTEC-2024

The 11<sup>th</sup> DAE-BRNS biennial symposium on “*Emerging Trends in Separation Science and Technology (SESTEC-2024)*” is being organized by Bhabha Atomic Research Centre, Mumbai in association with HSNC University, Mumbai and Association of Separation Scientists and Technologists (ASSET). It will be held during July 10-13, 2024 at HSNC University, Mumbai, India. The objective of SESTEC-2024 is to provide a forum for Scientists and Technologist to discuss the recent advances in the area of separation science and technology in general and separation of actinides, lanthanides, and fission products relevant to the nuclear fuel cycle activities in particular. Recent developments in membrane technology and associated separation techniques, waste water remediation etc. will be also covered. The young researchers will find the deliberation very useful as there is a participation of eminent scientists and engineers from National laboratories, Universities and Research institutes from India and abroad and it would provide a platform for effective interaction among those engaged in research in the area of separation science and technology.





# SCOPE

- A. Synthesis of Solvents, Resins and Membranes
- B. Separations in Nuclear Fuel Cycle
- C. Green Separations
- D. Chromatography, Electrochemical and Pyrochemical Separations
- E. Waste Water Remediation
- F. Membrane Science and Technology
- G. Radiochemical Separations
- H. Speciation Studies
- I. Computational Studies in Separation Processes

The four day symposium will bring together a panel of highly accomplished experts in the field of separation science and technology. The scientific program includes several invited talks by eminent scientists from India and abroad, which encompass both basic studies and applications addressing the topics of novel challenges in separation science and technology. Contributory papers will be presented either in oral or poster sessions. Both oral and poster presentations will be reviewed by a panel of judges for best presentation awards.

During the symposium there will be a special session on “Wealth from Waste: Recycling Perspectives”

Abstract of the contributed papers will be peer reviewed prior to their acceptance in the symposium proceedings. Few selected papers will be sent for publication in the SESTEC special issue of the peer reviewed international journal

“Separation Science and Technology”

# THE VENUE

The symposium will be held at Hyderabad Sind National Collegiate University (HSNC University), Mumbai, India. The HSNC University, Mumbai is a collegiate public state university located in Mumbai, which is the capital city of the Indian state of Maharashtra. It was established as a joint venture between the Ministry of HRD (erstwhile, Education Ministry), the Government of Maharashtra, and the HSNC Board (the parent educational trust).

**LOCATION:** HSNC University, Mumbai is located at D.M. Harish Building, 47, Dr. R. G. Thadani Marg, Worli, Mumbai – 400 018.



Scan the QR code for location



HSNC University

# ABOUT MUMBAI



Mumbai, the financial center of India is situated on the west coast of the Indian subcontinent. On the harbor waterfront, the iconic Gateway of India stands, this was built in 1924. Offshore, the nearby Elephanta Island hosts the ancient cave temples dedicated to the Hindu God Lord Shiva. Mumbai has a tropical climate, with pleasant temperature ranging from 25 °C to 30 °C during the month of July.



# TRAVEL ARRANGEMENT

It is expected that the participants will make their own travel arrangements to Mumbai. Mumbai is connected to almost all major and not-so-major cities of the world through numerous flights. There are many direct/indirect flights/trains to Mumbai available from every part of India.

**By Airways:** Chhatrapati Shivaji International Airport at Sahar in Mumbai is the primary international airport serving the Mumbai Metropolitan Area. It has two terminals: Terminal 1 operates the domestic flights while Terminal 2 mostly operates the international flights. Pre-book and other city taxi services are available both at Terminal 1 and Terminal 2 and it takes about 30-35 minutes to reach the HSNC University.

**By Railways:** Most of the long distance trains on the Central and Western Railways halt at the Dadar Railway Station. From Dadar station, a taxi can be hired for HSNC University. It is ~ 5 km distance and takes about 17 minutes. From Chhatrapati Shivaji Maharaj Terminus HSNC University is 10.2 km distance and a hired taxi takes about 40 minutes.

The nearest local train station to HSNC University in Mumbai is Prabhadevi in the Western line. It's a 25 min walk away.

**By Bus:** The nearest bus stop to HSNC University in Mumbai is Police Colony. It's a 4 min walk away.

Participants are requested to download the M-Indicator mobile application that primarily provides information about public transportation in the city of Mumbai. Further, by scanning the following location QR code they can easily opt for various car/cab booking apps.



Scan the QR code for HSNC  
University



Scan the QR code for DAE  
Convention Center, Anushaktinagar

# TOURIST ATTRACTION

Speckled with Victorian buildings, lofty skyscrapers, the glamour of Bollywood, pulsating nightlife and romantic beaches, the mega-city of Mumbai is a mecca for dreamers looking to make it big. Marine Drive, Gateway of India, Chowpatty Beach, Siddhivinayak Temple, Juhu Beach, Bandra-Worli Sealink, Haji Ali, Chhatrapati Shivaji Terminus, Sanjay Gandhi National Park, Versova Beach, Colaba Causeway Market, Chor Bazaar, Powai Lake , Kanheri Caves, Shivaji Park, ISKCON temple, Global Vipassana Pagoda, and many more are the amazing tourist sights.



**Marine Drive**



**Gateway of India**



**The Elephanta Caves**



**Chhatrapati Shivaji Terminus**



**Sanjay Gandhi National Park**



**Bandra-Worli Sealink**



## BRNS

The Board of Research in Nuclear sciences (BRNS), Department of Atomic Energy (DAE), a nodal funding agency supports extramural research and development activities in nuclear and allied sciences, engineering and technology. The major activities of BRNS are: Identify and fund R & D programs and projects, award fellowship to pursue doctoral programs and research grants to young scientists, organize symposia on topic of relevance and interest to DAE as well as in frontier areas of science and technology, extend financial support to symposia and conferences organized by professional bodies and other agencies, establishment of chairs in universities and other institutions of higher learning, create infrastructure facilities for advance research, identify/create and support centers of excellence. For more information contact [www.barc.gov.in](http://www.barc.gov.in); <https://brns.res.in/>

## FINANCIAL ASSISTANCE

TA/DA may be made available to a few deserving student participants, where the parent institution is unable to arrange. Request for financial assistance should reach the Secretary, Symposium Organizing Committee, on or before May 1, 2024. The financial assistance request forms can be downloaded from the website (<https://www.asset.org.in/sestec2024>). Dully Filled request forms may be sent via email to the symposium secretary at [sestec2024@gmail.com](mailto:sestec2024@gmail.com) .

## **AUTHORS PLEASE NOTE**

1. Abstracts based on original unpublished work will only be accepted.
2. Selected number of abstracts in the journal's manuscript format will be sent for publication in the peer reviewed international journal "[Separation Science and Technology](#)".
3. Contributory abstracts are invited on topics listed overleaf in the form of one page manuscript. The entire text should be typed using the MS Word template. The template can be downloaded from <https://www.asset.org.in/sestec2024>. Abstracts not complying with the format will not be sent for review.
4. Abstract should be categorized (A to I) as per the titles given under SCOPE of the symposium.
5. Abstract submission should be done online via website: <https://www.asset.org.in/sestec2024>. The abstract submission deadline is 1<sup>st</sup> March, 2024.
6. E-mail ID of the corresponding author should be given in the manuscript and the name of the presenting author should be underlined. All the future communications in respect of manuscript will only be made to the corresponding author.
7. Please note that the contributed abstracts should be accompanied with the note of [approval from the competent authority, if applicable](#).



# REGISTRATION

## LAST DATES

Submission of Contributory Paper	: March 01, 2024
Intimation of Acceptance of Paper	: April 15, 2024
Request for accommodation	: May 01, 2024
Submission of Registration Fees	: May 01, 2024

## DEADLINES

Registration should be done through the website (<https://www.asset.org.in/sestec2024>). The registration fee needs to be paid through online transaction after the acceptance of the abstract. Send a copy of receipt including the transaction ID to [sestec2024@gmail.com](mailto:sestec2024@gmail.com)  
Followings in the table are the registration fee and SESTEC-2024 account details

Research Scholars / Students	INR 1500/-
Delegates from academic / Research Institutes	INR 5000/-
Delegates from Industries	INR 10,000/-
Delegates from Overseas	USD 600/-
Students from Overseas	USD 300/-
Accompanying person (India)	INR 2000/-
Accompanying person (Overseas)	USD 300/-

**Note: Registration fee should be paid via NEFT:**

A/C Name	SESTEC-2024
A/C No.	42511397469
Bank Name and Branch	State Bank of India, BARC Branch
IFSC Code	SBIN0001268
MICR Code	400002006
Swift Code	SBININBB508

# ADDRESS FOR CORRESPONDENCE

**Dr. Nimai Pathak**

**Secretary, SESTEC- 2024**

**Radiochemistry Division, RC&IG, RLG,**

**BARC, Mumbai 400 085, India**

**Telephone: 91-22-2559 0715**

**FAX: 91-22-25505151**

**Email: [sestec2024@gmail.com](mailto:sestec2024@gmail.com) ( cc to [nimai@barc.gov.in](mailto:nimai@barc.gov.in))**

# ADDRESS FOR LOCAL CORRESPONDENCE

**Dr. S. B. Muley**

**HSNC University, Mumbai**

**Chairman, Local Organizing Committee,**

**SESTEC-2024**

**Email: [sakharam.muley@kccollee.edu.in](mailto:sakharam.muley@kccollee.edu.in)**

**Tel: +91- 9323817918**





# ACCOMMODATION

A number of affordable hotels of all ranges are available near the venue. The organizers are in a process of discussion with the management of selected hotels for availing special conference discount. Participants are requested to book their hotel accommodation directly. The hotel names and the discounted tariffs will be updated on the conference website at a later date. For more updates on accommodation booking kindly see the website (<https://www.asset.org.in/sestec2024>). Local transportation will be provided only from the hotels suggested by the organizers. Accommodations at DAE Convention center, Anushaktinagar for few participants on chargeable basis will be arranged by the organizers. Transports arrangement will provided to the delegates at pre-specified time from Anushaktinagar to the venue during the symposium.

The accommodation request forms can be downloaded from the website. Filled forms should be sent via email to the symposium secretary at [sestec2024@gmail.com](mailto:sestec2024@gmail.com) on or before May 1, 2024.



# PATRON

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**Secretary, DAE & Chairman, AEC**

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Chairman

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Muley, S.B., HSNC University, Mumbai

Chairman

