DAE - BRNS sponsored Ninth Biennial Symposium on

Emerging Trends in Separation Science and Technology
(SESTEC-2020)

at

DAE Convention Centre, Anushaktinagar
Mumbai, India

May 12-16, 2020

Organized by
Bhabha Atomic Research Centre

In association with
Association of Separation Scientists and Technologists (ASSET)
SESTEC-2020

The DAE-BRNS sponsored 9th biennial symposium on “Emerging Trends in Separation Science and Technology (SESTEC-2020)” is being organized by Bhabha Atomic Research Centre, Mumbai, India in association with the Association of Separation Scientists and Technologists (ASSET) and is being held at the DAE Convention Centre, Anushaktinagar, Mumbai, India during May 12-16, 2020. This symposium is fully sponsored by the Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy (DAE). The SESTEC-2020 provides a forum for Scientists and Engineers to discuss the recent advances in the area of separation science and technology in general and pioneering separation methods and technologies relevant to nuclear fuel cycle activities such as separation of actinides, lanthanides and fission products and their speciation in particular. It will also cover recent developments in membrane technology, remediation of wastewater and industrial effluent treatments. SESTEC-2020 will be extremely useful, especially to the young researchers, as it will be attended by eminent Scientists and Engineers from National Laboratories, Universities and Research Institutes from India and abroad. This will provide a platform for effective interaction among those engaged in research in the area of separation science and technology and showcase their ongoing work.

Scope

A. Separations in nuclear fuel cycle
B. Membrane science and technology
C. Treatment of industrial effluents
D. Chromatography and pyrochemical separations
E. Computational chemistry in separation science
F. Radiochemical separations
G. Green separations
H. Speciation studies

The five day symposium will bring together a panel of highly accomplished experts in the field of separation science and technology. The scientific programme of the symposium will include ‘Invited Talks’ by eminent Scientists from India and Overseas. The invited talks will encompass basic studies and applications and will address topics of novel issues related to separation science and technology. Contributed papers will be presented in both Oral and Poster sessions. Further, the best Oral and Poster presentations will be selected for the awards. Abstract of the contributed papers will be peer
reviewed prior to their inclusion in the symposium proceedings. Limited numbers of papers will be selected for publication in reputed journals, namely, “Separation Science and Technology” (papers dealing with general separations) and “Radiochimica Acta” (papers dealing with radioactive elements). The authors will be intimated in advance about the selection of their contributions for journal publication.

The Venue

The symposium will be held at the DAE Convention Centre, Anushaktinagar, Mumbai 400 094, India.

About Mumbai and the Venue

The city Mumbai, known as Bombay until 1995, is a great port city, situated on the west coast of the Indian peninsula. Mumbai is India's commercial and financial capital, as well as the capital city of Maharashtra State. It houses Indian film industry popularly known as Bollywood. The venue of the Symposium is DAE Convention Centre, Anushaktinagar, Mumbai. Anushaktinagar is located about 20 km north-east of Mumbai downtown and it is the residential township of the Bhabha Atomic Research Centre and other units of Department of Atomic Energy. It is spread over more than 940 acres and is surrounded by beautiful hills. Mumbai has a hot climate during summer. May is the warmest month of the year, with an average temperature of 29.7 °C.

How to reach the VENUE

Mumbai city is well connected to other parts of India and rest of the world. People coming to Mumbai by train can alight at Terminal stations namely Mumbai CST, Dadar, Kurla, Mumbai Central, Bandra and Panvel. Mumbai has two airports named as Chhatrapati Shivaji Maharaj International airport Terminal-1 and Terminal-2. All railway stations are within 20 km from the venue. Anushaktinagar is less than 25 kms from both the airports. Prepaid taxies are available at most of the railway stations and the airports in
addition to the on-line cabs service like Ola and Uber. Those wish to reach the venue by sub-urban trains should alight at Mankhurd station (East) on the harbour line, which is ~2 kms from the venue. Many city buses (BEST buses) ply between Anushaktinagar and rest of Mumbai.

Sight Seeing
The Elephanta Caves and Chhatrapati Shivaji Terminus railway station are recognized as World Heritage Sites. Mumbai is also home to a large number of Art Deco structures, with the largest count of buildings in this style after Miami. Gateway of India is an important landmark of the city. India's first World Heritage City, Aurangabad, Ellora and Ajanta (UNESCO World Heritage Sites) are located at 350 km from Mumbai. Goa is a small state in India known for its brilliant beaches, scrumptious food and Portuguese heritage is also only 600 km away from Mumbai on its west coast and it is well connected by road, train and air.

BRNS
The Department of Atomic Energy (DAE) through its nodal funding agency–The Board of Research in Nuclear Sciences (BRNS) supports extramural research and development activities in nuclear and allied sciences, engineering and technology. The major activities of BRNS are: identifying and funding R&D programmes and projects, award fellowship to pursue doctoral programmes and research grants to young scientists. It also organizes symposia on topic of relevance and interest to DAE as well as other 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, one can see the website (www.brns.res.in).

TRAVEL ARRANGEMENTS
It is expected that the participants will make their own travel arrangements.
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 must reach Secretary, Symposium Organizing Committee on or before April 20, 2020. The financial assistance request forms can be downloaded from the website (www.barc.gov.in/symposium/sestec2020). Forms duly filled should be sent via email to the symposium secretary at sestec2020@gmail.com or sestec2020@barc.gov.in

AUTHORS PLEASE NOTE
1. Papers based on original unpublished work will only be accepted.
2. Contributory papers 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 www.barc.gov.in/symposium/sestec2020.
3. Manuscripts not complying with the format will not be accepted.
4. Manuscript should be categorized (A to H) as per the titles given under SCOPE of the symposium.
5. 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.
6. Authors from DAE units may note that the contributed paper should be submitted through the competent authority or a letter of approval should be sent along with the abstracts. Without the approval of competent authority the papers will not be accepted.

DEADLINES
Submission of Contributory Paper : January 10, 2020
Submission of Abstracts of Invited Lectures : March 1, 2020
Intimation of Acceptance of Paper : February 10, 2020
Request for accommodation : April 20, 2020
Submission of Registration Fees : April 20, 2020

(Acceptance of Abstracts submitted by outstation authors will be intimated in 10 days)
REGISTRATION FEE

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<tr>
<th>Category</th>
<th>Fee</th>
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<tbody>
<tr>
<td>Research Scholars / Students</td>
<td>Rs. 2000/-</td>
</tr>
<tr>
<td>Delegates from academic / Research Institutes</td>
<td>Rs. 5000/-</td>
</tr>
<tr>
<td>Delegates from Industries</td>
<td>Rs. 10,000/-</td>
</tr>
<tr>
<td>Delegates from Overseas</td>
<td>US$ 500/-</td>
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<tr>
<td>Students from Overseas</td>
<td>US$ 300/-</td>
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<tr>
<td>Accompanying person (India)</td>
<td>Rs. 2000/-</td>
</tr>
<tr>
<td>Accompanying person (Overseas)</td>
<td>US$ 200/-</td>
</tr>
</tbody>
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Registration forms for participants from India and Overseas can be downloaded from the website (www.barc.gov.in/symposium/sestec2020). Filled forms should be sent via email to the symposium secretary at sestec2020@gmail.com. The filled forms should reach on or before April 20, 2020.

Registration fee should be paid via NEFT:
A/C Name: SESTEC-2020
A/C No.: 38918982165
Bank Name: State Bank of India
IFSC Code: SBIN0001268
SWIFT Code: SBININBB508
MICR Code: 400002006
Sent the copy of receipt to: sestec2020@gmail.com

ADDRESS FOR CORRESPONDENCE

Dr. A. Bhattacharyya
Secretary
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Radiochemistry Division, RC&IG, RLG,
BARC, Mumbai 400 085, INDIA
Telephone: 91-22-2559 6335/0641
FAX: 91-22-25505151
Email: sestec2020@gmail.com, sestec2020@barc.gov.in

ACCOMMODATION

Limited accommodations are available for the delegates in DAE Convention Centre/Training School Hostel / Guest house at Anushaktinagar. Accommodations are also available on twin sharing basis in AC rooms. Non-AC rooms are available for students. However, accommodations will be allotted on first come first serve basis. A number
of affordable hotels of all ranges are available near the venue. Participants are requested to book their hotel accommodation directly.

Request for accommodation may be downloaded from [www.barc.gov.in/symposium/sestec2020](http://www.barc.gov.in/symposium/sestec2020) Or you may write to the Chair, LOC.

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