

Second INTERNATIONAL Conference on

Application of Radiotracers in Chemical,
Environmental and Biological Sciences

November 7 - 13, 2010

ARCEBS-10 

Second Circular

Organised by

The Saha Institute of Nuclear Physics, Kolkata, India



In cooperation with

The International Atomic Energy Agency



The Second International Conference, “**ARCEBS-10**” in the series of “ARCEBS” (Application of Radiotracers in Chemical, Environmental and Biological Sciences) will be held at the Saha Institute of Nuclear Physics, Kolkata, India, during November 7-13, 2010.

The first ARCEBS was held at the same venue in 2006 (ARCEBS-06) and was highly successful by the participation of large numbers of national and international delegates from 27 countries all over the globe. ARCEBS has crossed the subject boundaries from its inception and is a perfect blend of Physics, Chemistry, Biology, Environmental Sciences and other interdisciplinary research areas keeping the use of radioisotopes or energetic ion beam as a common thread. ARCEBS keeps an eye on the forerunner topics of nuclear sciences, like radioactive ion beam, superheavy elements, etc. In ARCEBS-10, a special session will be dedicated on the upcoming and existing facilities like CERN-ISOLDE, EURISOL, etc.

Join ARCEBS-10, get the flavour of interdisciplinary sciences, keep yourself aware about the progress in transdisciplinary research.

ARCEBS-10 is a MUST!

Organization

The conference is organized by the Saha Institute of Nuclear Physics, Kolkata, India, in cooperation with the International Atomic Energy Agency, Vienna, Austria.

Venue

All scientific sessions will be held at the main auditorium of the Saha Institute of Nuclear Physics, Kolkata, India.

Scientific Programme

The scientific programme will be broad-based. All aspects of application of radiotracers in diverse fields will be included. The presentations envisage invited talks, oral and poster contributions.

Planery Speakers (Provisional List)

R. A. Aliev, Russia

- Production of radiotracers for environmental and biomedical research

Sharmila Banerjee, India

- Emergence and present status of Lu-177 in targeted radiotherapy : The Indian scenario

Max Bichler, Austria

Tilman Butz, Germany

A. Chatt, Canada

D. P. Chowdhury, India

Joao Guilherme Martins Correia, Portugal

- Nuclear radioactive techniques applied to materials research

Maria do Carmo Freitas, Portugal

- Arsenic speciation in environmental samples

Susanta Lahiri, India

- Recent developments in nuclear data and chemistry of astatine and technetium radionuclides

Qiang Li, China

- The recent facility of heavy ion therapy at IMP, China

Y. Nagame, Japan

- The recent superheavy element chemistry at JAEA

Heino Nitsche, USA

T. Otsuki, Japan

S. M. Qaim, Germany

- Nuclear data for radiotracer development

A. V. R. Reddy, India

Shantanu Roy, India

- Application of radiotracers for flow mapping in industrial process system

Enrico Sabbioni, Italy

- The irreplaceable role of radiotracers in metal toxicology research

Theirry Stora, Switzerland

B. S. Tomar, India

A Türlér, Switzerland

Jan Rijn Zeevaart, South Africa

and other eminent scientists..

Abstract Submission

Three-page extended abstract, including references, tables and figures should be submitted in the specified format latest by 15th May, 2010.

The abstract file along with other files should be submitted electronically as an e-mail attachment in "MS-Word" format. Preferably JPEG file for each figure should be given along with the main abstract file. Authors are requested to maintain the format strictly as given in the abstract template. The subject line of the E-mail should be as follows: "Abstract-First Author's Last name- (write 1, 2, etc., after the Last name indicating the abstract number, if submitting more than one)-Number of files-Preference for oral/poster". For example, "Abstract-Lahiri2-4-Oral" in the subject line indicates that first author Lahiri is submitting his 2nd abstract, with four files, and his preference for this abstract is oral.

Please give copy to the both the conference E-mails : arcebs.2010@saha.ac.in and arcebs.2010@gmail.com. Abstracts will be peer reviewed prior to inclusion in the book of Abstracts. The corresponding author will be notified about the acceptance of the contribution by September 1, 2010. Book of Abstracts will be published by the organizing committee and will be available at the meeting.

Abstract Format

The extended abstract should be written in one and half spacing and must be limited to three pages of A4 size paper including figures and tables with following margins :

Top 4.6 cm, Bottom 4.6 cm, Left 3.2 cm, Right 3.2 cm.

Title is to be given in Arial 16pt, Font **bold**, Centred, First letter of each word in capital letter; Two blank lines in Times New Roman 12 pt; Author(s) name(s) in Times New Roman 12 pt, *italic*, centred; Two blank lines in Times New Roman 9 pt; Affiliation(s) and address(es) in Times New Roman 9 pt, centred; Four blank lines in Times New Roman 10 pt; First level heading will be in Times New Roman 12 font, **bold**, Left alligned one line blank before and after; Second Level Heading: Times New Roman 10 point, **bold**, *italic*, Left alligned one line blank before and after; Third level heading, Times new Roman, 10 point, *italic*, Left alligned one line blank before; Normal text in Times New Roman 10 pt.

The figure captions and table headings will be in Times New Roman 9 pt. Figure caption should be given below the figure; table caption should be given above the table. In the figure/plots, the legends will be in Times New Roman, 12 point.

References in the text should be indicated by a superscript. They should be listed at the end in the ascending order with initials and names of all authors, journal volume (in **bold**) year (in parenthesis) page. For edited book, mention initials and names of all authors, title of the chapter, initials and names of all editors, name of book, publisher's name, place of publication (year) page.

For more details, please visit

<http://www.saha.ac.in/cs/arcebs.2010/>

Proceedings

The original and high quality contributed papers, after peer review, will be published in a special issue of the Journal of Radioanalytical and Nuclear Chemistry. Authors are requested to follow the author's instruction of Journal of Radioanalytical and Nuclear Chemistry. The full paper should be approximately limited to 15 A4 pages including figures and tables. Authors should submit their full paper by e-mail with the subject line "Full paper-First Authors Surname Number of files".

Please give copy to the both the conference E-mails: arcebs.2010@saha.ac.in and arcebs.2010@gmail.com. The last date of receiving the Full paper is November 10, 2010.

Invited Talks

All invited talks will be published in a special issue of Radiochimica Acta. There will be no page limit for this article. However, it is expected that the subject of the invited talk should be developed elaborately, i.e., authoritative reviews are welcome. The articles will be peer reviewed as per the journal's criteria.

Authors are requested to follow the guideline of Radiochimica Acta (<http://www.oldenbourg-wissenschaftsverlag.de/olb/de/1.c.335316.de>).

Authors are also requested to submit their article within September 30, 2010, and send it directly to Professor Dr. S. M. Qaim by e-mail (s.m.qaim@fz-juelich.de) with a subject line "Invited talk of ARCEBS-10" with a copy to arcebs.2010@gmail.com

Presentations

- The invited talks will be of 30 minutes duration followed by 5 minutes of discussions.
- Oral presentations will be of 15 minutes duration including discussion. (Both Powerpoint and Overhead Projector facilities will be available for presentations.)
- For poster presentation authors are requested to limit their poster size to 1 m x 1 m.

Registration Fee

For Participants/ accompanied persons from outside India : **EURO 350**

For Participants/ accompanied persons from India : **INR 5000**

The registration fee will include :

- Transportation from the place of accommodation to the conference venue
- Conference reception, all conference lunches and conference banquet
- Conference materials including the Book of Abstract
- Social programme

The last date of registration: **September 30, 2010**

An additional 25% will be charged on registration fee after due date.

Accommodation charges are to be paid separately.

Accommodation

The following category of hotels will be available during November 2010.

Category 1 : Hyatt Regency Kolkata (A Five Star Hotel)

JA-1 Sector III, Salt Lake City,

Kolkata, India 700 098

Tel: +91 33 2335 1234

Fax: +91 33 2335 1235

Website: <http://kolkata.regency.hyatt.com/>.

Hyatt Regency Kolkata is situated near the conference venue and offers special rates (single : INR 8500, Double : INR 9250 per night) to the participants of ARCEBS-10. All guests registering for accommodation need to mention the block code number SI 41 to avail the special rate.

Category 2 : Moderate hotels & private guest houses

Moderate hotels and guest houses are available in the range 40-70 EURO per night including breakfast. To avail this category you need to write the Convener, ARCEBS-10, directly at your earliest.

Category 3 : Hostels

Limited hostel accommodations will be available only for students in the range of 10 EURO per night including breakfast. Therefore interested students are requested to write directly to the Convener, ARCEBS-10, as early as possible.

Participants are requested to contact the convener, ARCEBS-10 and send the advance for reservation of accommodations. The moderate-price accommodation will be allotted on first-come-first-serve basis. For late reservations, room booking cannot be guaranteed in the requested category, and participants will be given closest available category.

Mode of payment

Participants from abroad are requested to send the registration fee and accommodation charges by Bank transfer. Bank transfer should be made to -

Account Name : ARCEBS-10
Account No. : 004205005946
Bank : ICICI Bank, Plot no. BJ-140,
Sector III, Salt Lake City,
Kolkata-700 091
Swift code : ICICI NBB XXX

Participants from India should send the registration fee and accommodation charges by Demand Draft payable in favour of “ARCEBS-10” payable at Kolkata to the Convener of the conference.

Cancellation

Cancellation of registration will be accepted by the organizer upon written request/E-mail before October 15, 2010. A handling charge of 50% will be deducted.

Visa

All participants from outside India will be required to obtain visa from the Embassy/ Consulate/ High-commission of India in their respective countries. Please enquire at the embassy for the kind of documents required to obtain the visa. The participants are requested to send the details of their passport (e.g. nationality, father's/husband's name, address as in passport, date and place of Birth, Passport no., date & place of issue, date of expiry), and the requests for necessary documents from the organizers (for example, a formal invitation) well in advance to facilitate the processing of visa applications.

Weather

Kolkata, the city is of sub-tropical climate. It is situated on the Gangetic delta and is very close to the Bay of Bengal and thus weather of Kolkata is heavily influenced by the sea. During November to February the humidity is low and the weather is pleasant. So planning for the 'City of Joy' is really a joyful experience in this time.

Industrial Exhibition

There will be an opportunity to display the products/ catalogues of various reputed companies. The companies are requested to contact the Convener, ARCEBS-10.

Social Programme

A social programme will be arranged to provide a glimpse of the magnificent Indian cultural heritage.

Financial Assistance

We have applied to several funding agencies and subject to availability of funds limited number of financial support may be provided. Preference will be given to the younger participants.

International Advisory Committee

Chairperson

Bikash Sinha (India)

Members

J. M. Abril (Spain)

I. E. Alekseev (Russia)

H. G. Bernhard (Germany)

Yorick Blumenfeld (Switzerland)

Tibor Braun (Hungary)

A. Chatt (Canada)

Elisabete De Nadai Fernandes (Brazil)

S. Mohammad Haji-Saeid (IAEA)

S. Kailas (India)

J. V. Kratz (Germany)

Sheldon Landsberger (USA)

Mats Lindroos (Switzerland)

Tulsi Mukherjee (India)

Y. Nagame (Japan)

Heino Nitsche (USA)

Constantin Papastefanou (Greece)

S. M. Qaim (Germany)

N. Ramamoorthy (IAEA)

R. D. Rogers (USA)

Matthias Schaedel (Germany)

Seiichi Shibata (Japan)

M. L. Thakur (USA)

V. Venugopal (India)

Attila Vertes (Hungary)

H. Th. Wolterbeek (The Netherlands)

National Organizing Committee

Chairperson Milan K. Sanyal, Director, SINP

Convener Susanta Lahiri (SINP)

Members

- S. K. Aggarwal (BARC)
- S. Basu (Burdwan University)
- R. K. Bhandari (VECC)
- S. Chopra (IUAC)
- N. R. Das (SINP)
- S. K. Das (VECC)
- S. F. D'Souza (BARC)
- R. K. Dutta (IIT Roorkee)
- V. K. Manchanda (BARC)
- G. N. Pandey (BRNS)
- A. V. R. Reddy (BARC)
- P. R. Vasudeva Rao (IGCAR)
- Meera Venkatesh (BARC)

Local Organizing Committee

Chairperson	Susanta Lahiri (SINP)
Convener	Moumita Maiti (SINP)
Jt. Secretary	Swadesh Mandal (SINP) Binita Dutta (SINP)
Members	N. R. Das (Ex-SINP) Chandana Chakrabarti (SINP) Soumen Basak (SINP) Samita Basu (SINP) S. K. Das (VECC) D. P. Chowdhury (VECC) Sukalyan Basu (Burdwan University) Mitali Sarkar (Kalyani University) Kakoli Banerjee (Andul College) Kamalika Roy (Calcutta University) Debasish Banerjee (VECC) Kausik Das (SINP) Ajoy Mandal (SINP)

Scientific Committee

Chairperson	N.R. Das (India)
Secretary	Moumita Maiti (India)
Members	Sukalyan Basu (India) P. Bode (The Netherlands) W. A. P. Breeman (The Netherlands) Maria do Carmo Freitas (Portugal) A. Chatt (Canada) D. P. Chowdhury (India) S. Mohammad Haji-Saeid (IAEA) Gunther Korschinek (Germany) Susanta Lahiri (India) Zoltan Suzcs (Hungary) B. S. Tomar (India) Meera Venkatesh (India)

How to reach Kolkata

Airport

A few international airlines (Lufthansa, Bangladesh Biman, Royal Emirates, Gulf Air, Thai Airways, Singapore Airlines) have direct flights to Kolkata. Alternatively, you may arrive at either Delhi or Mumbai airport. From there, there are a host of domestic carriers flying to Kolkata. Both the domestic and international terminals of Kolkata Airport (Netaji Subhash Chandra Bose International Airport, more popularly known as Dum Dum Airport) is about 10 km away from the Saha Institute of Nuclear Physics and taxi services are regularly available at the Kolkata airport (take pre-paid taxi if possible from the airport itself).

Taxi fare to SINP ~ INR 200

Time required: ~30-40 minutes.

Train

Kolkata is well connected by train with all major cities of India. The train stations are in Howrah (on the opposite side of the river Hooghly, about 12 km away) and Sealdah (about 6 km away).

Important Dates

- Last date of submission of Extended Abstract May 15, 2010
- Last date of receiving write up for Invited talk June 30, 2010
- Notification of Acceptance September 1, 2010
- Last date of Registration September 30, 2010
- Last date of receiving Full Paper November 10, 2010
- Intimation for Hotel accommodation
(with two nights advance charge) September 30, 2010

Contact -

Professor Susanta Lahiri

Chairperson, Local Organizing Committee &
Convener, National Organizing Committee, ARCEBS-10
Chemical Sciences Division
Saha Institute of Nuclear Physics
1/AF Bidhannagar, Kolkata 700064
West Bengal, India

E-mails : arcebs.2010@saha.ac.in
arcebs.2010@gmail.com

Telephone : +91-33-2337-5345/46/47/48

Fax : +91-33-2337-4637

Conference Website

<http://www.saha.ac.in/cs/arcebs.2010/>



Pre-Registration Form

Participants are requested to complete the form via web submission (see the conference website <http://www.saha.ac.in/cs/arcebs.2010/> for the online pre-registration form) before September 30, 2010.

Personal Information :

Name :

Designation:

(Master's student/ Ph.D student/ Post Doctoral fellow/Faculty)

Gender (Male / Female):

Institution:

Address for correspondence :

Phone (Office): Fax:

Phone (Others, if any):

E-mail:

Passport Information (for participants from outside India) :

Nationality:

Father's / Husband's Name:

Address as in passport :

Date of Birth: Place of Birth:

Passport No.: Valid Until:

Date of Issue: Place of Issue:

Other Information:

Tentative title of your Presentation :

Accommodation

Required

☐

Not Required

☐



Registration Form

Participants are requested to complete and return the registration form along with registration fees before September 30, 2010. The Draft/Cheque should be paid to 'ARCEBS-10' payable at Kolkata and bank transfer should be made to Account Name: **ARCEBS-10/Account No. 004205005946/ Bank: ICICI Bank, Plot no. BJ-140, Sector III, Salt Lake City, Kolkata-700 091/ Swift code: ICICI NBB XXX.**

Title (Prof. / Dr. / Mr. / Ms.) : Gender (Male / Female) :

Family Name :

First Name :

Institution/University/Company :

Fax: Telephone/Mobile :

E-mail:

Have you filled in the Pre-registration form (yes / no) :

(Filling of Pre-registration form is mandatory)

Payment of registration fees in (EURO / US\$ / INR) :

Payment Mode and Details

☐ Cheque/Bank Draft No. :

Drawee Bank : Dated.....

☐ Bank Transfer Details.....

Name of Bank..... Dated.....

Date : Signature :



X

Hotel Reservation Form

Participants are requested to complete and return the reservation form along with accommodation charges before September 30, 2010. The Draft/Cheque should be paid to 'ARCEBS-10' payable at Kolkata and bank transfer should be made to **Account Name: ARCEBS-10/Account No. 004205005946/ Bank: ICICI Bank, Plot no. BJ-140, Sector III, Salt Lake City, Kolkata-700 091/ Swift code: ICICINBB XXX.**

Title (Prof. / Dr. / Mr. / Ms.) : Gender (Male / Female) :

Family Name :

First Name :

Institution/University/Company :

Fax : Telephone/Mobile :

E-mail :

Have you filled in the Pre-registration form (yes / no) :
(Filling of Pre-registration form is mandatory)

I would like to be booked in hotel/guesthouse from November to

Kinly make a reservation for me in

[A] Hostel ☐ or **[B] Category 1 / Category 2**

For Single Room ☐ Double Room ☐

Arrival by (Train / Air) :

Date of Arrival Date of Departure.....

I enclose two nights' advance payment EURO / US\$ / INR

Payment Mode and Details

☐ Cheque/Bank Draft No. :

Drawee Bank : Dated.....

☐ Bank Transfer Details.....

X

Name of Bank..... Dated.....

Date : Signature :