Indo-Australian Conference on Biomaterials, Tissue Engineering, Drug Delivery System & Regenerative Medicine

BITE & RM 2015

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25th Annual Meeting of Society for Biomaterials and Artificial Organs (INDIA) SBAOI

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8th Annual Meeting of Society for Tissue Engineering and Regenerative Medicine (STERMI)

January 22 - 24, 2015

Organized by

Department of Chemistry
Anna University
Chennai – 600 025

Jointly with

Society of Bio Materials and Artificial Organs (INDIA) – SBAOI

Society of Tissue Engineering and Regenerative Medicine - STERMI
Organizers:

BITE & RM - 2015 is organized by the Department of Chemistry, Anna University, Chennai, India (www.annauniv.edu) jointly with the Society for Biomaterials and Artificial Organs - India (SBAOI - www.sbaoi.org), Society for Tissue Engineering and Regenerative Medicine (STERMI, www.sbaoi.org/stermi/) and The Australasian Society for Biomaterials and Tissue Engineering (www.biomaterials.org.au) from January 22 to 24, 2015.

Anna University: During the year 2001, Anna University was converted into an affiliating type of University by bringing together about 250 Engineering Colleges in the state of Tamil Nadu. It was reverted to a unitary University on 18th June 2010. From 1st August 2012, it was reconverted into an affiliating type of University, the largest technological university with more than 600 institutions under one umbrella, to ensure uniform quality in engineering education. It offers higher education in Engineering, Technology and allied Sciences relevant to the current and projected needs of the society. Besides promoting research and disseminating knowledge gained there from, it fosters cooperation between the academic and industrial communities. Anna University is a member of the Association of Indian Universities, the Association of Commonwealth Universities and Partner of UNESCO International Centre for Engineering Education (UICEE). UGC has accredited Anna University with Five Star status in 2002 which is the highest rating. With proven capabilities both in academic and research areas, Anna University was able to receive this honour for a period of five years for excellence in Technical Education.

Department of Chemistry The Department is actively involved in research in thrust areas such as Catalysis, Polymer, Environmental, Co-ordination, Bio-inorganic and Physical organic chemistry. About 60 Ph.D. Scholars (Full-Time & Part-Time) are pursuing research in these thrust-areas. Faculty members mobilize funds towards research through sponsored projects from funding agencies such as DST, CSIR, UGC, DRDO, BRNS, MOEF, AICTE, etc., A sum of Rs.1.2 crores has been mobilized in the last 3 years and this department is one of the departments in active research and funds mobilization. The research findings are published in journals of high repute. About 250 papers were published in Internationals / National journals of repute during the last 5 years. The Ph.D. scholars are well placed within the country and abroad. The department is periodically organizing Summer / Winter programmes, continuing education programmes, refresher courses etc. to bridge the gap between industrialists and academicians.

SBAOI was founded in 1986 and is dedicated to the advancement of Biomaterials and Medical Devices in India and also a forum for exchange of information amongst its members. Annual meetings of SBAOI are organized to bring together front-line researchers, scientists, engineers, manufacturers, dentists and surgeons involved in biomaterials. Its Head Quarters is at the Biomedical Technology wing of Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum, India. SBAOI is a member of International Union of Societies for Biomaterial Sciences and Engineering (IUSBSE, www.worldbiomaterials.org) and is closely associated with International Federation for Artificial Organs (IFAO, www.ifao.org). The XXV annual meeting of the SBAOI (India) is being organized during the conference.

STERMI was constituted in 2007 with an objective to integrate Tissue Engineering and Regenerative Medicine to enhance the health care system and to bring interdisciplinary scientists together for improving the related R & D activities in India. The VIII annual meeting of the STERMI is also being organized along with the conference.

Indo-Australian Conference series

Indo-Australian Conference series is conducted once in every 2 years with the first Indo-Australian Conference (BITE2005) held at SCTIMST, Trivandrum during January 19-21, 2005. The BITE&RM 2007 was the second in the series which provided a platform for focused discussion on some critical areas in biomaterials science and engineering such as biomaterials, implants, tissue engineering and regenerative medicine and it was felt that the two countries offer great potential to collaborate in this area. 4th Conference in the series was held at Sardar Patel University, Gujarat in 2012.

The first Indo-Australian Conference, Biomaterials, Implant Devices and Tissue Engineering (BITE2005) was held at SCTIMST, Trivandrum during January 19-21, 2005, along with XV National Conference of SBAOI.

3rd Indo-Australian Conference on Biomaterials, Implants, Tissue Engineering and Regenerative Medicine, 21-23 January 2009, Sydney, held in parallel with the 19th Australasian Society for Biomaterials and Tissue Engineering (ASBTE) annual conference.

4th Indo-Australian Conference on Biomaterials, Tissue Engineering and Regenerative Medicine, February 10-12, 2011, Sardar Patel University, Vallabhbhidyanagar, Gujarat along with XXI National Conference of SBAOI

5th Indo-Australian Conference on Biomaterials, Implants, Tissue Engineering and Drug Delivery Systems, 2-5, April 2013, Barosa Valley, Australia, along with Annual Conference of Australian Society for Biomaterials and Tissue Engineering (ASBTE).

Organizing Committee:

Chief Patron: Prof. Dr. M. RAJARAM, Vice Chancellor, Anna University, Chennai, India
Patrons: Prof. Dr. S. GANESAN, Registrar i/c, Anna University, Chennai, India
Advisory Committee: Dr. CHANDRA P. SHARMA, Sree Chitra Tirunal Institute for Medical Sciences & Technology (SCTIMST), Trivandrum, India.

Organizing Secretary: Prof. N. RAJENDRAN, Anna University, Chennai
Joint organizing Secretary: Prof. R. JAYAKUMAR, Amrita University, Cochin
Convenors:
Prof. P. KANNAN, Head, Dept. of Chemistry, Anna University, Chennai
Dr. P. R. HARIKRISHNA VARMA, Engineer ‘F’ and Scientist-in-Charge, SCTIMST, Cochin
Prof. T. S. SAMPATH KUMAR, Head, Medical Materials Laboratory, IIT Madras, Chennai
BACKGROUND & OBJECTIVES:

Biomaterials and their applications as implant devices and artificial organs are widely recognized as an emerging area for material scientists, biotechnologists, chemists, engineers and medical professionals. Such materials are synthetically produced outside the human body and once found suitable, are placed as human implants. Therefore they essentially integrate with the living organs and participate in the functioning of living systems. Recent developments in the areas of material science and biological science have enabled an impressive progress in our attempts to develop new biomaterials. The development of new biocompatible materials (bulk or coating) and/or refinement of existing material composition/processing techniques are expected to broaden the diversity of applications of biomaterials in the coming years. The progress in biomaterials research clearly requires an improved understanding in multiple disciplines as well as the development of new design methodologies in order to obtain better material properties in terms of both physical properties as well as the biological performance.

Needless to mention that Chennai can boast of many academic institutions and research institutes actively involved in the broad areas of bioceramics and hence eminent scientists have been invited to the Annual meetings. The first national conference on bioceramics was held in 2005 followed by Indo-US bi-national workshop on Ceramics for Medical Applications and 8th Asian Bioceramics Conference in 2008. IBIDIT 2015, has been planned to bring together leading global experts and to identify new challenges and emerging trends of such a highly multidisciplinary research area. The conference would bring together researchers from various fields in this multidisciplinary areas involving Engineers (Biomedical, Mechanical, Chemical, Metallurgical, Electrical and Electronics)/Chemists and Materials scientists with biologists/biotechnologists along with clinicians (Orthopaedic, Dental, Ophthalmic , Vascular and Cardiac surgeons). An appropriate binding of research ideas/expertise ensures a comprehensive understanding of the processing-microstructure-properties (physical as well as in vitro / in vivo) of biocompatible materials. The technical program of BITE&RM -2015, covers plenary, invited talks, oral presentations and poster presentations on the growth of basic and technologically oriented research in biomaterials, devices, artificial organs and tissue engineering and regenerative medicine.

TOPICS:

- Bioceramics
- Bioglasses
- Biomineralization
- Biomaterials, Characterization and Evaluation
- Surface Coatings, Alloys and Composites
- Biopolymers
- Drug Delivery and Gene Therapy
- Nanotechnology
- Dental Materials
- Biomimetic and Natural Materials
- Biosensors, Diagnostic tools and system
- Biomaterials Design
- 3D Scaffold Design, Scaffold Engineering
- Medical Devices,
- Artificial Organs
- Stem Cell Engineering, Tissue Engineering
- Regenerative Medicine

Local Organizing Committee:
Dr. T. M. Sridhar, University of Madras, Chennai
Dr. Narayana Kalkura, Anna University, Chennai
Dr. K. Ravichandran, University of Madras, Chennai
Dr. V. R. Griridev, Anna University, Chennai
Dr. A. Siddharthan, Anna University, Chennai
Dr. Ramesh Babu, NIT, Trichy
AWARDS:
MAHE award for the best scientific paper presented by a Faculty/Scientist and the Bajpai-Saha awards for the best paper presented by research scholars will be given at BITE&RM-2015. Awards will also be given to PG/UG students for poster presentations. An exclusive discussion session for interaction among students from around the globe to share ideas and current research on the themes of the conference would be organized.

CALL FOR ABSTRACTS/FULL PAPERS:
Abstract of research/technical papers followed by the full paper are invited based on the themes of the conference. After scrutiny by the reviewers, the selected papers will be published in the conference proceeding. Selected papers will be arranged for oral or poster presentation and may be published in the form of book by a reputed publisher. Selected full papers will also be published in Trends in Biomaterials and Artificial organs. Abstracts and Full papers must be submitted in soft copies. The acceptance of the paper will be communicated to the participants by email and the list of accepted abstracts will be displayed in the website. The papers of only the registered participants would be considered for publication.

GUIDELINES FOR SUBMISSION:
The abstract of the paper must be about 250 words in MS WORD format. The title should be in Capital and Bold followed by the names of the author(s), their address(es) and Corresponding Author email id. Name of the presenting author must be underlined. Different affiliation of authors are indicated by numbered superscripts. The content of the abstract includes background, objectives, methods, results & conclusion. When using word processing facilities, use only Times New Roman 12 font in ENGLISH. The spacing should be maintained at 1.5 points. The guidelines for full paper will be available in the website. The abstract & full paper should be submitted by e-mail to bitem2015@gmail.com

IMPORTANT DATES:
Abstract Submission Deadline : 15th November, 2014
Acceptance of Abstract : 20th November, 2014
Full Paper Submission Deadline : 31st December, 2014
All participants are asked to register online at www.bitem2015.in

REGISTRATION:
All participants have to register online. The papers of only the registered participants would be considered for publication.

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<th>Delegates - Indian Nationals</th>
<th>Delegates Foreign Nationals</th>
<th>Amount (Rs.)</th>
<th>Amount (USD)</th>
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<tr>
<td>SBAOI/STERMI Member</td>
<td>Biomaterials Society Member</td>
<td>2500</td>
<td>300</td>
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<tr>
<td>Non-Member/Industry</td>
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<td>3000</td>
<td>350</td>
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<td>1500</td>
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<td>Student Non Members</td>
<td>Student Non Members</td>
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<td>Spouse</td>
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*Registration Fees is inclusive of Conference Kit, Abstract Book, Proceedings and Food.*
MODE OF PAYMENT:
All payments can be made in the form of Demand Draft (DD): drawn in favor of BITE&RM-2015, Chennai, payable at Chennai. Bank Transfer: The transfer details are available in the website.

CONFERENCE VENUE:
The conference will take place at Anna University, Chennai, India. Situated in the southern part of the city of Chennai (formerly known as Madras), the University's main campus extends over 100 hectares abutting the Adyar River on the north and Raj Bhavan on the south. Chennai is the fourth largest metropolitan city in India well connected by air, rail and road. The weather in early January is expected to be pleasant.

SPONSORSHIP AND EXHIBITION:
Sponsors are invited to support the conference either in part (in aspects, that your company/organization deems fit) or full. The stalls for sponsoring companies will be arranged by the organizers and are entitled to 2 delegates, one page advertisement in the souvenir and display of their company banner. For companies sponsoring Rs.50,000 (USD 1000) or greater, one stall will be provided complementary. For other companies, there will be a charge for each stall.

For further details, please contact: Dr. N. RAJENDRAN, Organizing Secretary, BITE&RM-2015.

SOUVENIR
An attractive souvenir containing details of the program, abstracts, sponsors' list and advertisements will be published and distributed to all the delegates. It will serve as a reference/source book for delegates. Health care industries, marketing professionals and R & D laboratories are invited to advertise their products in the souvenir. The tariff is as follows

<table>
<thead>
<tr>
<th>Back cover</th>
<th>Rs. 20,000</th>
<th>Inside cover front or back</th>
<th>Rs. 15,000</th>
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<tr>
<td>Full page (Colour)</td>
<td>Rs. 12,500</td>
<td>Full Page (B &amp; W)</td>
<td>Rs. 10,000</td>
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<tr>
<td>Half Page (B &amp; W)</td>
<td>Rs. 5,000</td>
<td>Stall and Banners</td>
<td>Rs. 20,000</td>
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</tbody>
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*For further details, contact the organizers

ACCOMMODATION:
The accommodation of the Delegates and Participants will be arranged in the nearby institutes based on availability and on the basis of payment. Details of the accommodation in nearby hotels are available in the website.

CONTACT US:
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Indo-Australian Conference
on
Biomaterials, Tissue Engineering, Drug
Delivery System & Regenerative Medicine
BITE & RM 2015

Registration Form

Name: ...................................................................................................................................................
Designation: ....................................................Organization: .........................................................
Address: ............................................................................................................................................... 
City:......................................................................................State:.................................................................
Pin:....................................................................................Country: ............................................................... 
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SPONSORSHIP (Select the appropriate box):
Gold ☐ Silver ☐ Bronze ☐ Lunch ☐ Dinner ☐ Cultural Programme ☐

DELEGATE (Select the appropriate box)
Invited Speaker ☐
Individual Participant ☐
Student / Research Scholar ☐

Enclosed Cheque / Demand Draft No.: ....................Dated: .................for INR / USD ............
in favour of .........................................................payable at ...........................................bank, ...........
........................................branch A/C No..............................................IFSC Code No......................or Online Transfer
No.................................................................With bank details................................................................

Place: .................................................... Signature:.............................................
Date: .....................................................

To

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