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Dr. A. Muthumanickam, Registrar(i/c)

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Rev. Dr. (Sr.) Jeusin Francis, Principal, Holy Cross College

Conference Chairs

Dr. Felicia Rajammal Selvarani,
Head, Department of Chemistry, Holy Cross College.

Dr. G.S. Selvam

Head, Department of Biochemistry, SBS, Madurai Kamaraj University

Conference Convener

Dr. J. Rosaline Vimala, Asst. Prof. of Chemistry, Holy Cross College
Conference Organizing Secretary

Dr. J. Felicita Florence, Asst. Prof. of Chemistry, Holy Cross College

Organizing Committee Members

Ms. Maimoona Begum, Asso. Prof. of Chemistry, Holy Cross College.
Dr. Noreen Antony, Asso. Prof. of Chemistry, Holy Cross College.
Ms. B. Kalaiselvi, Asso. Prof. of Chemistry, Holy Cross College.
Dr. S. Amala Fatima Rani, Asso. Prof. of Chemistry, Holy Cross College.
Dr. A. Leema Rose, Asso. Prof. of Chemistry, Holy Cross College.
Dr. L. Cathrine, Asst. Prof. of Chemistry, Holy Cross College.
Dr. V. Priya, Asst. Prof. of Chemistry, Holy Cross College.
Ms. S. Margrat Sheela, Asst. Prof. of Chemistry, Holy Cross College.
Dr. R. Kanmani, Asst. Prof. of Chemistry, Holy Cross College.
Ms. S. Vidhya, Asst. Prof. of Chemistry, Holy Cross College.
Ms. V. Vimala, Asst. Prof. of Chemistry, Holy Cross College.
Ms. A. Agila, Asst. Prof. of Chemistry, Holy Cross College.
Ms. F. Janeeta Priya, Asst. Prof. of Chemistry, Holy Cross College.
Ms. P. Lydia Festus Kanmani, Asst. Prof. of Chemistry, Holy Cross College.
Dr. J. Amala Infant Joice, Asst. Prof. of Chemistry, Holy Cross College.
Ms. M. Annie Preetha, Asst. Prof. of Chemistry, Holy Cross College.
Dr. S. Baskaran, Post doctoral Fellow, Dept. of Biochemistry, MKU
Mr. P. Sasikumar, DBT- SRF Dept. of Biochemistry, MKU
Mrs. S. Gomathi, UGC- SRF, Dept. of Biochemistry, MKU
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Mr. S. Sasikumar, UGC-SRF, Dept. of Biochemistry, MKU
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Mr. Eldho Paul, DBT- JRF, Dept. of Biochemistry, MKU
Mr. P. Rajkumar, DBT-JRF, Dept. of Biochemistry, MKU
Mr. S. Yuvaraj, CSIR-SRF, Dept. of Biochemistry, MKU
Ms. G. Divya, DBT-JRF, Dept. of Biochemistry, MKU
Ms. A. Nancy Bright, ICMR-Project Fellow, Dept. of Biochemistry, MKU

NATIONAL ADVISORY COMMITTEE MEMBERS

- Dr. P.S. Mohan**, Professor and Head, Department of Chemistry, Bharathiar University, Coimbatore.
- Dr. G. Mugesh**, Professor, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore.
- Dr. S. Thennarasu**, Principal Scientist & Head, CLRI, Chennai.
- Dr. R. Thirumurugan**, Professor, Dept. of Animal Science, School of Life Sciences, Bharathidasan University.
- Dr. M. Vairamani**, Dean, School of Bio Engineering, SRM University, Kattankulathur.
- Dr. G. Madhurbal**, Associate Professor & Head, Department of Chemistry, A.D.M college for women, Nagapattinam.
- Dr. P. Ragupathy**, Senior Scientist, Fuel cell division, CECRI, Karaikudi.
- Dr. R. Ramaraj**, Professor & Head, Department of Physical Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai
- Dr. A. Ramu**, Professor & Head, Department of Inorganic Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai.

- Dr. V. Raj**, Professor & Head, Department of Chemistry, Periyar University, Salem.
- Dr. S. Muhammad Aboobakar Shibli**, Professor & Head, Department of Chemistry, University of Kerala, Trivandrum, Kerala.
- Dr. E. Murugan**, Professor, Department of Physical Chemistry, School of Chemical Sciences, University of Madras, Maraimalai Campus, Chennai.
- Dr. K. Pandiyan**, Associate Professor, Department of Inorganic Chemistry, University of Madras, Chennai.
- Dr. C. Rose**, Deputy Director and Head, Department of Biotechnology, CLRI, Chennai.
- Dr. K. Manoharan**, Professor & Head, Dept. of Plant Morphology & Algology, School of Biological Sciences, Madurai Kamaraj University, Madurai.
- Dr. C. V. Anuradha**, Professor, Dept. of Biochemistry and Biotechnology, Annamalai University, Annamalai Nagar
- Dr. V. Baskaran**, Senior Principal Scientist, Department of Biochemistry and Nutrition, CSIR - Central Food Technological Research Institute, Mysore.
- Dr. G. Kumaresan**, Head, Department of Genetics, School of Biological Sciences, Madurai Kamaraj University, Madurai
- Dr. (Mrs.) Padma Nambisan**, Professor, Department of Biotechnology, Cochin University of Science and Technology, Cochin.
- Dr. G. Sudhandiran**, Associate Professor, Cell biology laboratory, Department of Biochemistry, University of Madras, Chennai.

INTERNATIONAL ADVISORY COMMITTEE MEMBERS

- Dr. Kadal Mariappan**, Chemistry @ University of South Dakota, Vermillion, SD, USA.
- Dr. Chanbasha Basheer**, Department of Chemistry, King Fahd University of Petroleum and Minerals, Dharhan, Saudi Arabia.
- Dr. M. Aulice Scibioh**, Invited Scientist, Helmholtz Institute Ulm (HIU) - Electrochemical Energy Storage, Research Group: Materials - I, Helmholtz Strasse-11, Germany.
- Dr. G.A. Nagana Gowda**, Research Assistant Professor, Northwest Metabolomics Research Center, University of Washington Seattle, USA
- Vivekanandan Subramanian**, Research Specialist Lead, Biophysics NMR Center, Department of Chemistry & Biophysics, University of Michigan.
- Dr. Manoharan Mariappan**, Assistant Professor, Chemistry, School of Science and Mathematics, Bethune-Cookman University, Florida, United States
- Dr. Dong-Kuk Lee**, Professor, Chemistry, Department of Fine Chemistry, Seoul National University of Science and Technology, Seoul, Republic of Korea
- Dr. Venkataraman Vishwanathan**, Professor and HOD - Applied Sciences, Faculty of Engineering and Applied Sciences, Botho University, BOTSWANA.

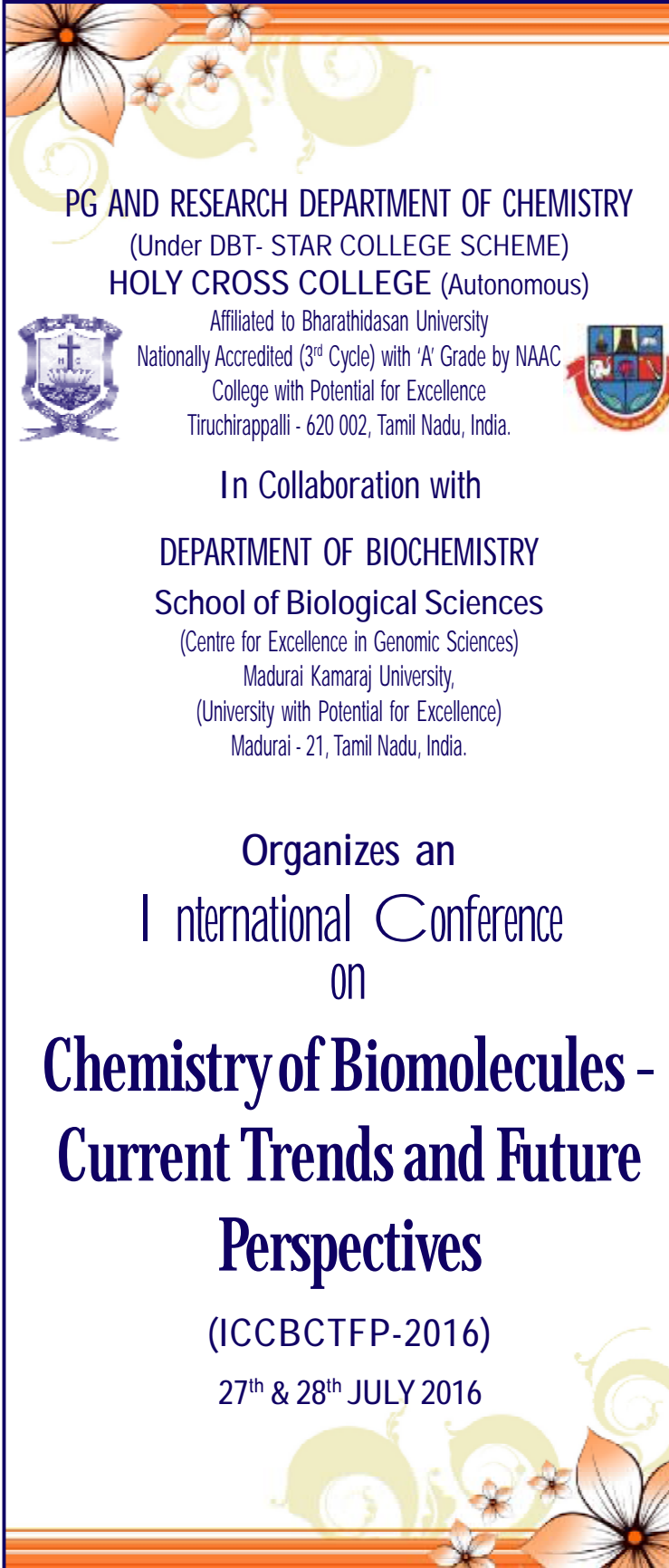
FOR FURTHER DETAILS AND REGISTRATION CONTACT:

The Convener, ICCBCTFP-2016


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PG AND RESEARCH DEPARTMENT OF CHEMISTRY
(Under DBT- STAR COLLEGE SCHEME)
HOLY CROSS COLLEGE (Autonomous)



Affiliated to Bharathidasan University
Nationally Accredited (3rd Cycle) with 'A' Grade by NAAC
College with Potential for Excellence
Tiruchirappalli - 620 002, Tamil Nadu, India.



In Collaboration with
DEPARTMENT OF BIOCHEMISTRY
School of Biological Sciences
(Centre for Excellence in Genomic Sciences)
Madurai Kamaraj University,
(University with Potential for Excellence)
Madurai - 21, Tamil Nadu, India.

Organizes an
International Conference
on
**Chemistry of Biomolecules -
Current Trends and Future
Perspectives**
(ICCBCTFP-2016)
27th & 28th JULY 2016

THE COLLEGE

Holy Cross College (Autonomous), Tiruchirappalli, is a highly reputed Arts and Science College for women in the state of Tamil Nadu. It is a catholic institution established in the year 1923 and has a unique history with excellence for the past eight and a half decades. The college, administered by the Sisters of the Cross of Chavanod, Province of Tiruchirappalli, is affiliated to the Bharathidasan University and it is one among the oldest colleges for women in South India. In recognition of its outstanding service for the cause of women's education, it was granted autonomous status in 1987. The college was accredited by the National Assessment and Accreditation Council (NAAC) in 1999 with FIVE STARS, re-accredited in 2005 with A-Grade, awarded 'College with Potential for Excellence' in 2011 and has retained its A-Grade status during the third cycle accreditation by NAAC in the year 2012. The college offers 23 UG, 17 PG and 8 Diploma courses. The college also offers M.Phil. and Ph.D. programme in several disciplines.

DEPARTMENT OF CHEMISTRY

The Department of Chemistry started in the year 1935 with the intermediate course has grown into a research department. The Department is offering B.Sc., M.Sc., M.Phil. and Ph.D. programmes. At present, the Department has 19 vibrant faculty members and around 20 research scholars. Many faculty members have undertaken several sponsored research projects funded by various national funding agencies such as UGC, DST, CSIR and TNSCST. The Department celebrated its Platinum Jubilee during the year 2009-2010. In commemoration of the Platinum Jubilee an International Conference on *Green Chemistry and Sustainable Environment* was conducted. The growing awareness in the field of green chemistry was manifested in the overwhelming response of the participants from India and abroad. The Department has also organized a National Workshop on Green Techniques in Chemistry Laboratory Experiments as an outcome of the International Conference.

DEPARTMENT OF BIOCHEMISTRY - SCHOOL OF BIOLOGICAL SCIENCES

The School of Biological Sciences (SBS), Madurai Kamaraj University, had a humble origin in the early 60's founded by Dr. S. Krishnaswamy. SBS has the finest infrastructure facilities in Asia for research in Biochemistry, Molecular Biology and other Biological Sciences and this is currently being used by a number of Research Scholars. The UGC has recognized the SBS for continuous support through several levels of assistance such as COSIP, DRS, COSIST, DSA (Phase I, II and III) and Centre of Advanced Studies (UGC-CAS Phase I, II and III) in Functional Genomics & organismal biology and Centre for Excellence in Genomic Sciences (UGC-CEGS Phase I and II). SBS also recognized as UGC's Networking Resource Centre in Biological Sciences (UGC-NRCBS) to promote the research activities in Biological Sciences. SBS has produced four Bhatnagar Awardees, seven TANSA Awardees, several Fellows of National and International Sciences Academies and six Vice Chancellors. At present SBS is supported with UGC (CAS, CEGS & NRCBS), DBT (IPLS), and DST (FIST) for major infrastructure and research programmes.

The Department of Biochemistry, SBS is known for its renowned scientist and distinguished professors. It was founded by Dr. J. Jayaraman who pioneered in the eukaryotic molecular biology. The pillars of the department include Dr. G. Shanmugam one of the eminent Cancer Biologist in India, Dr. C. Raja manikam, who established molecular cardiology research and Dr. G.S. Selvam, one of the leading scientist in the area of medical and environmental biochemistry, now the Professor and Head of the department. Currently the department is supported with various funding agencies such as UGC, DST, DBT, CSIR, and ICMR. The research lab is equipped with cell culture, molecular cardiology and cancer biology unit with sophisticated instruments. Department of Biochemistry offering M.Sc. Biochemical

Technology Program since 2000 in addition to Ph.D. in the area of Medical and Environmental Biochemistry has produced a number of internationally and nationally recognized students and scholars.

ABOUT TIRUCHIRAPPALLI

Tiruchirappalli, situated on the banks of the river Cauvery is the fourth largest city in Tamil Nadu. It was a citadel of the early Cholas which later fell to the Pallavas. Trichy is a fine blend of tradition and modernity built around the Rock Fort. Apart from the Fort, there are several Churches, Colleges and Missions dating back to the 1760s. The town and its fort, now in Trichy were built by the Nayaks of Madurai. This city has given great Tamil scholars whose contributions to the Tamil literature have been very significant. The most famous land mark of this bustling town is the Rockfort Temple, a spectacular monument perched on a massive rocky out crop which rises abruptly from the plain to tower over the old city. It was one of the main centers around which the wars of the Carnatic were fought in the 18th century during the British-French struggle for supremacy in India. The city is a thriving commercial centre in Tamil Nadu and is famous for artificial diamonds, cigars, handloom cloth, glass bangles and wooden and clay toys.

THEME AND OBJECTIVE OF THE CONFERENCE

Nature provides an endless source of new ideas on how to create catalysts with superb selectivity and efficiency, materials with unusual chemical bonds and structure, molecular assemblies with unforeseen architectures, and materials with advanced functions such as colossal mechanical strength, unusual adhesive properties, blood compatibility and sensing capacity, switching ability or therapeutic prowess. Additionally, powerful new instruments and techniques, rapid and efficient computational tools and new developments in theory enable the study of bimolecular structure and dynamics, resulting in a fresh understanding of biological function, and application of this new knowledge in ways not previously possible.

Advances in biology, chemistry and physics promise solutions to many problems, from fighting disease to creating sustainable energy sources. The academic and research programs in these fields create an environment for excellence in student achievement and cutting-edge research in the broad areas of life, chemical and physical sciences. Chemical and biological engineers are 'think big' professionals who work in co-operation with others to bring about the large scale benefits of advances in chemistry, biotechnology, and materials. In the next decade and beyond, contributions from chemical and biological engineers will be vital in creating and producing new medicines, nutritious foods, novel materials, new energy sources, better waste treatment methods and a sustainable global future.

The main objective of the conference is to provide a platform for researchers, chemists, biologists, academicians as well as industrial professionals from all over the world to present their research results and development activities in chemistry, biochemistry and molecular biology and physics. This conference will facilitate exchange of new ideas, applications and experiences in these fields and to create a dialogue between scientists and practitioners. It will also promote opportunities to find global partners for future collaboration.

The proceedings record the fully refereed papers presented at this conference, with the themes that focus on chemical, biological and physical sciences. The practical challenges encountered and the solution adopted will also be discussed. The main goal of this conference is to provide international forums for the exchange of new ideas in a number of interactive fields through discussions with their peers around the globe. Both inward research core areas of chemical, biological and physical sciences and outward research-multi disciplinary, interdisciplinary and applications – will be covered during this programme.

To kindle passion of advancement in this field, the organizing Committee invites research and conceptual articles from scientists and academicians in chemistry, biology, pharmacy and physical sciences etc., for presentation and

appreciation. The papers will be published in the conference proceedings with ISBN.

THE THEMES

- ✓ Analytical chemistry
- ✓ Applied chemistry
- ✓ Applied pharmacy
- ✓ Biochemistry
- ✓ Chemical contamination and environmental protection
- ✓ Medicinal chemistry
- ✓ Chemical process modeling
- ✓ Nano-drugs
- ✓ Organic chemistry
- ✓ Pharmaceutical chemistry
- ✓ Pharmacoinformatics

INVITATION OF PAPERS

Interested researchers willing to participate/present papers can download the registration form online from the website and send it via e-mail/post. Format for the submission of abstract and full paper can be obtained from the website: www.hcctrichy.ac.in

PUBLICATION OF PAPERS PRESENTED IN THE CONFERENCE

A proceeding volume containing invited lectures and abstracts accepted for presentation in the conference would be circulated to the registered participants. Full papers will be published in the proceeding with ISBN number.

ACCOMMODATION

Invited speakers and sponsored delegates would be accommodated at selected hotels in Trichy and in the college guest house. Other participants would be helped in finding accommodation.

HOSPITALITY

During the conference days, the delegates and the registered participants would be served working lunch and refreshments.

REGISTRATION FEE

The registration fee for the conference includes registration kit, conference proceedings, working lunch and refreshments. Registration is compulsory for participation. DD has to be drawn in favour of the convener, **ICCBCTFP-2016**, Holy Cross College, Payable at Trichy, Tamil Nadu and sent to the convener.

Students / Research scholars	: Rs. 0750/-
Faculty / Academic and Research Institutes	: Rs. 1000/-
Delegates from industry	: Rs. 1000/-
Participation only	: Rs. 0750/-

ORAL/POSTER PRESENTATION

Facility for power point presentation will be made available for oral presentations and the participants are requested to bring their presentation material on CD only. USB, pen drive, memory stick etc., are strictly restricted. Best paper will be awarded.

IMPORTANT DATES

Registration starts from	: 4 th January 2016
Last date for the submission of abstract	: 31 st March 2016
Last date for the submission of full papers	: 31 st May 2016

International Conference
on
Chemistry of Biomolecules -
Current Trends and Future Perspectives
(ICCBCTFP-2016)
27th & 28th JULY 2016

REGISTRATION FORM

Name :

Institution :

Designation :

Mailing Address :

Fax : Telephone

Mobile: Email:

I intend to attend the conference & Present a paper.
The abstract is enclosed / shall be sent by 31st March
2016. Registration fee of Rs. through
D.D. No. is enclosed / will be sent
shortly.

Paper to be considered for Award : Yes / No

Age of participant as on : Years

I need accommodation in Hotel

(Hotel charges have to be borne by the participants).

Dated :

Signature