



KUMBALATHU SANKUPILLAI MEMORIAL

DEVASWOM BOARD (KS MDB) COLLEGE, SASTHAMCOTTA, KERALA, INDIA

Affiliated to University of Kerala (Re-accredited with 'A' Grade by NAAC)

INTERNATIONAL CONFERENCE



**09th-12th
November
2020**



**On
EMERGING TRENDS IN
COMPUTATIONAL AND MATERIALS
CHEMISTRY RESEARCH (ICCMCR-20)**

**Organized by: Research and Post Graduate
Department of Chemistry and Polymer Chemistry**



ABOUT THE COLLEGE

Kumbalathu Sankupillai Memorial Devaswom Board (KSMDDB) College, situated at Sasthamcotta, Kollam, Kerala, is an esteemed institution for higher education managed by the Hon'ble Travancore Devaswom Board. This institution of higher learning was established in 1964 and is affiliated to the University of Kerala. The college is surrounded on three sides by the famous Sasthamcotta Lake, the largest freshwater lake of Kerala and a recognized Ramsar site. The college offers 17 undergraduate programmes, 6 post graduate programmes and 2 Ph.D programmes in various disciplines to a community of about 2500 students. KSMDDB College has been selected under the RUSA 2.0 Scheme and the DBT-Star College Scheme 2019 viz: strengthening of support to science departments for UG education.

ABOUT THE DEPARTMENT

The Research and Post Graduate Department of Chemistry and Polymer Chemistry embarked on its long journey to glory during the academic year 1964-1965 with two teachers as staff imparting instructions in chemistry to the pre-degree students of groups I and II. The department was upgraded to degree level with Chemistry as an optional main in the year 1979 - 1980. In addition to B.Sc. Chemistry, B.Sc. Polymer Chemistry was also started during the academic year 1993-1994. The Department reached another milestone in the realm of higher education in the year 1995-1996 through the introduction of a post graduate programme in Chemistry with a sanctioned strength of 10 students. The department was instrumental for the successful completion of about 2000 Bachelor's and 300 Master's Degree holders so far. The academic year 2004-2005 should be etched in golden letters in the annals of the department. During that year the department was recognized as an approved research center by the University of Kerala thereby making it at par with the premier colleges in the state. There are 6 Ph.Ds to its credit till date. DST-FIST, UGC, KSCSTE- SARD and CSIR are among the funding agencies which have extended financial supports to procure sophisticated instruments and to accomplish research projects by faculty and students.

ABOUT THE CONFERENCE

The Organizing Committee of Research and P.G. Department of Chemistry & Polymer Chemistry, K.S.M.D.B College is pleased to invite participants from all over the world to take part in this international conference on 'Emerging Trends in Computational and Materials Chemistry Research' (ICCMCR-20) based on the theme "Contemporary Advances and Innovations in Computational and Materials Chemistry Research". This international conference aims to provide a forum for researchers from various areas of Materials Chemistry, Medicinal Chemistry and Computational Chemistry to present the latest cutting-edge research findings and share their experiences and research outcomes of interdisciplinary research. Each session of the conference will include expert lectures, paper presentations and discussions on computational and materials chemistry research.

SUBTHEMES

- Nano-Materials
- Communications and Information Technology
- Healthcare
- Multifunctional Materials
- Molecular Mechanics
- Molecular Dynamics
- Chemical Dynamics
- Molecular Docking
- Bioinformatics
- Biomedical Engineering
- Green Chemistry
- Advanced Manufacturing
- Drug Design
- Renewable and Sustainable Energy
- Cheminformatics
- Mathematical Chemistry
- Quantum Mechanics
- Ab-initio Methods
- Molecular Modeling and Simulation
- Nucleic Acid and Protein Sequence
- Composites and Nanocomposites
- Biosensors
- Biopolymers
- Molecular Modelling
- Density Functional Theory
- Theoretical Chemistry Advances and Perspectives
- Site Mapping
- Computational Thermo Chemistry
- Computational Pharmacology
- Molecular Evolution

CALL FOR ABSTRACTS/PUBLICATIONS

Interested authors are requested to send their abstracts not exceeding 250 words in any of the above mentioned themes. The guidelines for the abstract preparation can be found in the conference website. Selected abstracts will be allotted as oral presentation and the authors will also have a chance to get their extended abstracts published electronically as Proceedings of the Conference with ISBN. The guidelines for the submission of the extended abstracts are exhibited in the conference website. All submissions will be peer-reviewed based on originality and quality. The acceptance of the abstract will be intimated to the corresponding author in the mail id provided. The decision of the Review committee regarding the acceptance of the paper will be final. Authors are invited to publish full papers in Scopus indexed journal. (As per publisher's policy, publication charges may be applicable).

MODE OF THE EVENT: GOOGLE MEET AND YOUTUBE LIVE

IMPORTANT DATES

Registration opens	14 th October 2020
Registration closes	05 th November 2020
Last date of submission of extended abstract	27 th October 2020
Last date of submission of selected full paper	05 th November 2020
Date of Conference	09 th - 12 th November 2020

REGISTRATION FEE

Professionals and Faculty Members(India)	Rs 750	Delegates from Industry	Rs 1000
Research Scholars	Rs 500	Foreign Delegates	30 USD

PAYMENT DETAILS & CERTIFICATE

All payments should be made through online mode by RTGS, NEFT, IMPS or UPI to the following college account

Name : The Principal, KSMD College, HOD Department of Chemistry
Bank : Canara Bank, Sasthamcotta A/C Number: 3537101007683
IFSC : CNRB0003537

Certificate of participation will be provided only to registered participants who attend all the sessions of the conference.

Click on the [Registration link](#) or scan the QR code to register for the conference

REGISTRATION LINK : <https://bit.ly/33NBg6f>



EMINENT SPEAKERS



Inauguration and Keynote Address :

Prof. Jean-Marie Lehn

Nobel Laureate in Chemistry (1987)

ISIS-Université de Strasbourg, France

Prof. Dr. Johannes Gierschner

IMDEA Nanoscience, Madrid, Spain

Topic: Photocatalysis and Photophysics



Dr. Bartolome Soberats

Ramony Cajal Research Fellow Dept. of Chemistry, Universitat de les Illes Balears, Spain

Topic: Liquid Crystalline Materials



Dr. Cheol Woo Ha

Korea Additive Manufacturing Innovation Center, Korea Institute of Industrial Technology, Korea

Topic: Micro-Dimensional Optical 3D-Printing with Two-Photon Polymerization



Dr. Viola B. Morris

Division of Cardiology, Emory University School of Medicine, Atlanta

Topic: Arginine Functionality for Delivery of Therapeutics



Dr. Prem Prabhakaran

Department of Advanced Materials, College of Life Science and Nanotechnology,
Hannam University, South Korea

**Topic : Present and Future of Quantum Dots in Display Devices:
A Material Perspective**



Prof. Dr. Nagaiyan Sekar

Former Head, Department of Dye stuff Technology, Professor in Tinctorial Chemistry
Institute of Chemical Technology, Mumbai

**Topic : Non-Linear Optical Properties of Colorants –
Computational Approach**



Prof. Dr. Edamana Prasad

Department of Chemistry, Indian Institute of Technology, Madras

Topic: Light Emitting Gels and Their Applications



Dr. Pradeep P. N. Syamala

Department of Chemistry, University of Wuerzburg, Germany

Topic: Supramolecular Chemistry: From Molecules to Functional Materials



Dr. Vineeth Vijayan

Department of Material Science and Engineering Center for Nanoscale
Materials and Biointegration University of Alabama at Birmingham, United States

Topic: Polymeric Biomaterials and Plasma Surface Modification



Valedictory Session

Chief Guest: Prof. Dr. Sabu Thomas

Hon. Vice Chancellor, M.G University, Kottayam, Kerala





ADVISORY BOARD

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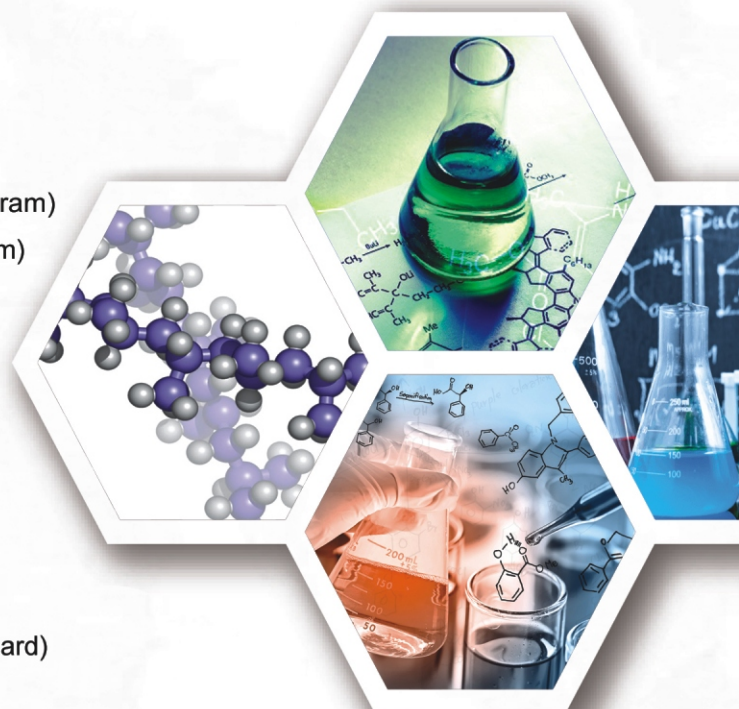
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Conference Website : <http://ksmdbc.ac.in/iccmcr-20>