

IWTCSCO 2020

INTERNATIONAL WEBINAR ON Trends in Chemical Science: Challenges & Opportunities

**IWTCSCO
2020**



**November 4th, 5th and 6th, 2020
11.30am to 1.30pm**

Organized by Department of Chemistry

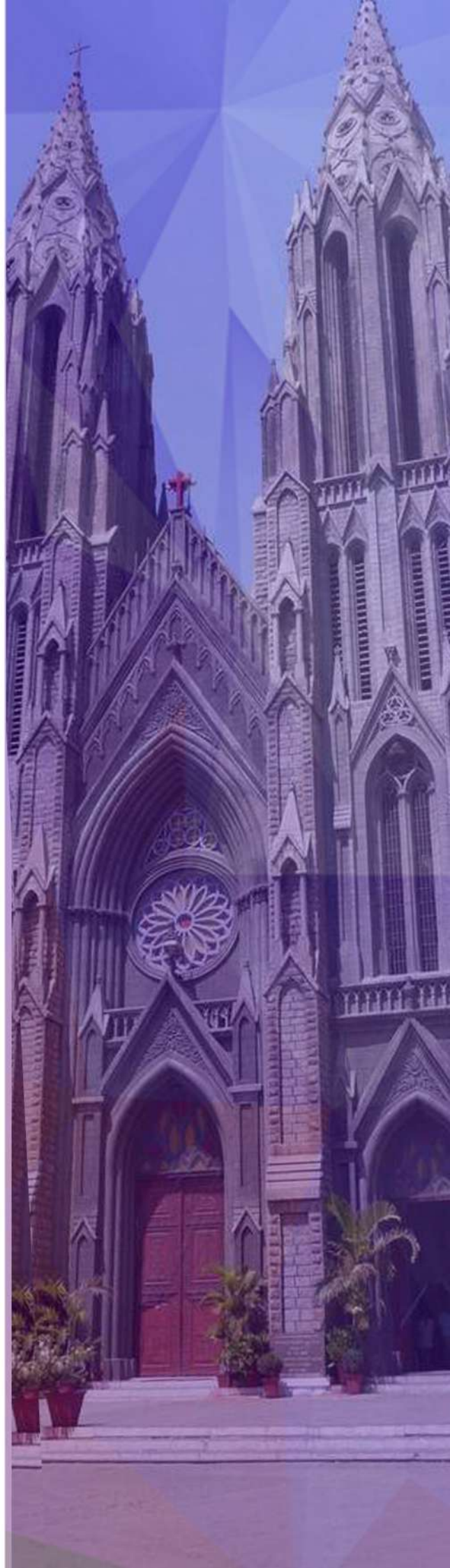


**St. Philomena's College (Autonomous)
Affiliated to the University of Mysore
Reaccredited by NAAC with B++ Grade**

www.stphilos.ac.in, Contact: 0821-4240900

ABOUT THE MANAGEMENT

Mysore Diocesan Educational Society (MDES) is a Registered Society established by the Catholic Diocese of Mysore in the year 1966, to administer, manage, and co-ordinate for the efficient and smooth functioning of its institutions. It is one of the best known Catholic Educational Societies promoting the cause of Educational Ministry even in the remote villages of Karnataka. Presently MDES administers 130 institutions from Nursery to Post-Graduation levels in the four districts of Karnataka namely Mysore, Mandya, Kodagu, and Chamarajanagara. MDES has accomplished in the field of education through its yeoman service which has borne rich dividends touching the lives of more than a lakh students, transforming them and bringing about visible progress, not just in cities but also in remote rural areas. MDES institutions alumni have crossed boundaries and have left their indelible mark in different sectors. To provide quality education to girl students MDES has started St. Joseph's College for women at Sathagalli (Commerce and Arts). His Excellency Most Rev. Dr. K. A. William, the Present Bishop of the Catholic Diocese of Mysore is heading the MDES.



ABOUT THE COLLEGE



A Bishop's dream and a Maharaja's magnificence culminated in the establishment of St. Philomena's College on October 9, 1946, with the motto 'Caritas in Scientia' i.e. 'Love through Knowledge'. His Excellency, Rt. Rev. Dr. Rene Feuga, the first Bishop of Mysore, vacated his mansion to make room for classes. The Wodeyars of the Mysore Royal family encouraged the Catholic Diocese of Mysore in its maiden venture into higher education. The College was declared open by His Highness Sri Jayachamarajendra Wodeyar, the Maharaja of Mysore, a rare honor and privilege for any institution. It was history in the making in more ways than one and the first group of 380 Philomenites was aware of it. They knew that they were stepping into the very first Private First Grade College in the Royal City, affiliated with the University of Mysore. Even more importantly, St. Philomena's College was the first private Degree Science College in the erstwhile Mysore Region. All through her fledging years, the college's future was shaped by teachers of outstanding caliber, among them the doyen of the Modern Movement in Kannada poetry Prof. Gopalakrishna Adiga, and the renowned space scientist and former Chairman of ISRO, Prof. U.R. Rao, and a host of other great pioneering Principals and teachers. Now, 74 years later, the student strength has multiplied manifold. New buildings have been constructed, courses and infrastructure has proliferated. Traditional courses co-exist with the newer, more challenging, and contemporary courses such as Biotechnology, Biochemistry, Microbiology, Electronics, Computer Science, Social Work, Communication and Journalism,



and UGC sponsored vocational courses (B.Voc) in Health Care Technology, Media & Entertainment, and Web Developer. Besides, there are 11 Postgraduate courses namely Chemistry, Physics, Computer Science, Biochemistry, Mathematics, Social Work, Economics, English, Communication and Journalism & Commerce. At undergraduate level B.A., B.Sc., B.Com., BBA., BSW., BCA., & BBA (Tourism and Hospitality Management). The college has excellent infrastructure with a digital library, almost all classrooms are equipped with LCD projectors, the entire campus is networked with OFC, spacious playgrounds, and a newly built Indoor Stadium. St. Philomena's college is verily a global village with students from 19 different states of India and 29 countries of the world. Despite a very varied cultural, religious, and racial composition on the college campus, the students and the members of the staff feel at home. The college became autonomous in 2011. The University Grants Commission (UGC) declared the college as 'College with Potential for Excellence' in the year 2010. The college attained Autonomous status in 2011 and was reaccredited by NAAC with an 'A' Grade with a CGPA of 3.58 in the year 2014. Since 01.04.2015 the UGC has recognized the college as 'College of Excellence'. As the college races past all these milestones in history with many signposts standing out along the way, it is gearing itself to become a University. Our College is affiliated with the University of Mysore which was established on July 27, 1916. It is the sixth oldest University in the country and the first in the state of Karnataka. Also, in a sense, it is the first university of the country to be established outside the limits of British India. The university was founded as a result of the efforts of the benevolent and visionary Maharaja of erstwhile Princely State of Mysore His Highness Shri Nalvadi Krishnaraja Wadiyar – IV (1884-1940), and the then Diwan Sir M. Visvesvaraya (1860-1962). It was the first University to be accredited by NAAC in 2000 with Five Star Status and now accredited with a CGPA score of 3.47 out of 4. The university is now ranked 27th in the India Rankings 2020, NIRF-MHRD, Government of India.

ABOUT THE DEPARTMENT



Well qualified young faculty with experience in teaching and research. The Department has Completed seven minor research projects with financial assistance from UGC . The faculty members have published more than 80 research papers with about 400 citations and 21H-index. The department has fully-equipped spacious separate laboratories for each branch of chemistry and research. Besides the central library, a separate library in the PG block with the latest reference books, departmental library, and e-resources are available to the students. The students are offered Project/Dissertation in the final year involving original research work leading to the publication of research articles in peer-reviewed journals. The learning outcome-based curriculum will be introduced from 2020-21. The department is recognized as a research center by the University of Mysore.

ABOUT THE WEBINAR



Corona virus has changed everything in our lifestyle and has imposed a temporary slowdown, but not diminish the intelligence and determination of the scientific community. We feel that the pandemic have brought a positive impact on Science and Technology. The Department of Chemistry, St Philomena's College (Autonomous), Mysore is organizing a Three Day International Webinar on 'Trends in Chemical Science: Challenges and Opportunities' (IWTCSO -2020)" on 4th, 5th and 6th November 2020. The theme of the webinar is to have a knowledge share from international speakers and experts in the field of Chemical Science. The webinar is focused on nanocrystals: Metal chalcogenide and metal halide quantum dots: NMR spectroscopy: an interdisciplinary tool, LATEX- software system for document preparation: natural and synthetic inhibitors of the lipid-related enzyme, targeting metabolic syndrome, cancer and Alzheimer's disease and Basic software tools for NMR predictions and electronic notebook solutions. This webinar will be the best platform for students, research scholars, academicians and professionals from various educational institutions and industries to understand the challenges and opportunities in chemical science.

KEY SPEAKERS



Prof. K. S. RANGAPPA

Former Vice-Chancellor of University of Mysore & Karnataka State Open University will inaugurate the webinar and deliver the Keynote address.

Date: 4th November 2020 Time: 11:30 am



Prof. Biju Vasudevan Pillai

Laboratory of Molecular Photonics,
RIES, Hokkaido University, Japan

Topic : "The Story of Two Nanocrystals (Metal Chalcogenide and Metal Halide Quantum Dots)"

Date: 4th November, 2020 Time: 12:30 pm



Dr. Sachin Rama Chaudhari

Scientist and Assistant Professor AcSIR,
Department of Spice and Flavour Science,
CSIR- Central Food Technological Research Institute(CFTRI),
Mysore

Topic : "NMR spectroscopy: An interdisciplinary tool"

Date: 5th November, 2020 Time: 11:30 am



Ms. Apoorva

CEO, Startup - Webinar Park.

Topic : "LATEX- Software System for document preparation"

Date: 5th November, 2020 Time: 12:30 pm



Prof. Kenji Monde

Hokkaido University
Faculty of Advance Life Science,
Japan

Topic : "Natural and Synthetic Inhibitors of Lipid related Enzyme, Targeting Metabolic Syndrome, Cancer and Alzheimer's disease"

Date: 6th November, 2020 Time: 11:30 am



Mr. Milesh Joseph

Advanced Chemistry Development, Inc.,
(ACD/Labs)

Chennai

Topic : "Basic Software tools for NMR Predictions
and Electronic Note Book solutions"

Date: 6th November, 2020 Time: 12:30 pm

PROFILE OF THE SPEAKERS

Prof. K. S. Rangappa

Prof. K. S. Rangappa had started his carrier as a faculty in the PG Department of Chemistry of the University of Mysore. During his three decades of service, he had occupied various positions in the department of Chemistry. Prof. K. S. Rangappa is an excellent administrator. Considering his administrative skills, the Government Karnataka had appointed him as the Vice-Chancellor for the Karnataka State Open University, Mysore from Dec 2009 to Jan 2013 and for the University of Mysore, from January 2013 to January 2017.

He has received research funding from University Grants Commission, DST, Department of Biotechnology, Council of Scientific and Industrial Research, all India Council for Technical Education to the tune of more than 6 crores. He is also a recipient of several international collaborative research projects such as Indo-Japan, Indo-France, Indo-south Africa, Indo-NUS, Indo-Korea, Indo-Russia, Indo-UK and Indo-US etc. Professor Rangappa has published more than 485 research papers in national and international peer-reviewed journals and presented more than 150 research papers in national and international conferences. He has 11 Patents and about 300 scientific collaborators. He has over 8030 scientific citations with h-index 45 for his research contributions as of June-2020 and has guided 55 Ph.D. candidates and currently 6 candidates are working under his supervision.

Prof. Biju Vasudevan Pillai

Prof. Biju Vasudevan Pillai is a faculty in the Institute for Electronic Science, Material, and Molecular Sciences. He has numerous publications to his credit in the field of Nanocrystals. He has vast teaching experience and has completed various research projects. He is a visiting professor at Nagoya University Japan, Mahatma Gandhi University India. He is the founding editor of Nano Reviews and Experiments (2010-15, Taylor and Francis).

Dr. Sachin Rama Chaudhari

Sachin Rama Chaudhari is an Assistant Professor AcSIR, Department of Spice and Flavor Science, CSIR- Central Food Technological Research Institute (CFTRI), Mysore. Mr. Sachin has a vast knowledge in methodology development in solution and solid-state NMR and its applications to food science. He has a Ph.D., from the Indian Institute of Science, Bangalore, Post Doctoral Fellow from ENS, Lyon, France and was a Marie-Curie fellow at University of Nottingham, UK.

Ms. Apoorva

Ms. Apoorva is an international trainer and CEO of the startup Webinar Park. With a Masters in Artificial Intelligence from Oxford University, UK. she has undertaken varied projects in Machine Learning and Natural Language Processing. As a trainer in the field of Artificial Intelligence, through interactive and engaging sessions, Ms. Apoorva has helped students and professionals from countries such as the USA, UK, Malaysia, and Saudi Arabia, to gain a better understanding and hone their skills. Prior to venturing out on her own, Ms. Apoorva was a Research Assistant at NTU, Singapore and a software developer at Amazon.

Prof. Kenji Monde

Prof. Kenji Monde is a faculty and Dean of Advanced Life Science, Division of Advanced Transdisciplinary Sciences, Hokkaido University Japan. He got his Doctor of Science in Hokkaido University. his research interest and areas are Chirality inhibitors glycoconjugate, Lipids chemical biology, and Nanotechnology materials. He is a member of Molecular Chirality Research Organization. He has received the Molecular chirality award in 2019 and has published more than 150 research articles, also having professional membership in "The Japanese Conference on the Chemistry of Lipids" and so on. He had completed more than 30 research projects and also right now he is having 9 industrial property rights.

Mr. Milesh Joseph

Mr. Milesh Joseph currently working as an Application Scientist at Advanced Chemistry Development Labs Inc. Prior to ACD Labs, Milesh worked for Reputed Pharma Companies – such as Syngene International Ltd, Aurigene Discovery technologies and Mylan – as Analytical Scientist – in various capacities. Milesh got his Post-graduation in chemistry - from St Alberts College Kochi, Affiliated to Mahatma Gandhi University Kottayam by the year 2001. Milesh got a special interest in the field of NMR applications and Milesh participated in many conferences and workshops – pertaining to NMR .

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• PROFESSIONALS FROM VARIOUS EDUCATIONAL INSTITUTIONS
AND INDUSTRIES TO JOIN THE WEBINAR. WEBINAR WILL BE
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