

## Department of Chemistry, St. Michael's College

The Department of Chemistry presently offers three programmes, B.Sc. Chemistry, M.Sc. Chemistry and Ph.D in Chemistry. The thrust area of research includes Materials Science, Organic Electronics, Renewable Energy, and Sensors. The research activities of the Department are highly active and publishes the work in internationally reputed journals. The research programmes of the Department are financially supported by University Grants Commission (UGC), Department of Science and Technology (DST) and Kerala State Council for Science, Technology and Environment (KSCSTE) in the form of Major and Minor Research Projects. The Department received the prestigious DST-FIST grant and with this aid, the research facilities are improved tremendously. The Department of Chemistry has modernised both undergraduate and postgraduate laboratory, as well as established the Sophisticated Analysis and Instrumentation Centre (SAIC). The Department organises National and International conferences regularly to provide an international exposure for our students. It is noteworthy that the students of our department are qualifying various National Eligibility Tests such as CSIR and GATE examinations and pursuing their higher studies in various reputed research institutes in India and abroad.

### Magnetic Resonance Society Kerala(<http://mrs-kerala.org/>)

The Magnetic Resonance Society Kerala was established in the year 2020 with an aim to bring together scientists in the domain of magnetic resonance. Students, teachers, researchers, scientists and any scholar who are interested in the area of magnetic resonance can enroll themselves as members of the society (yearly or life membership). In addition, Corporate Memberships are also available. The details regarding membership can be obtained by writing to the office of the Society by email ([magneticresonancesocietykerala@gmail.com](mailto:magneticresonancesocietykerala@gmail.com)). Also, a few renowned scientists will be elected by the Executive Committee as Honorary Members. The activities of the Society will be announced and circulated among the members of the society, interested parties and institutions. The registration fee for the national and international events will be considerably less for the members of the Society. MRS Kerala has its office at the Central Instrumentation Facility (CIF), Indian Institute of Science Education and Research, Thiruvananthapuram (IISER TVM).



# NATIONAL SEMINAR ON NMR SPECTROSCOPY



*Jointly Organized by*  
Department of Chemistry  
St. Michael's College, Cherthala, Kerala

&

Magnetic Resonance Society, Kerala (MRSK)

**January 17 – 19, 2024**

Venue – **Fenicio Digital Seminar Hall**  
**St. Michael's College, Cherthala**



Co-Sponsored by the  
Kerala State Council for Science, Technology and Environment (KSCSTE)



The Department of Chemistry, St. Michael's College in association with Magnetic Resonance Society Kerala (MRSK) is organizing a National Seminar on NMR Spectroscopy during 17 – 19 January 2024. The realm of Magnetic Resonance, which encompasses Nuclear Magnetic Resonance (NMR) spectroscopy, Magnetic Resonance Imaging (MRI), and Electron Spin Resonance (ESR) spectroscopy, has evolved into an integral and inescapable component of both scientific and medical sciences. The primary goal of this seminar is to offer a foundational grasp of the fundamental principles and equipment involved in NMR spectroscopy. It will encompass subjects related to the collection, manipulation, and interpretation of NMR spectra, as well as the elucidation of molecular structures. The seminar is tailored for a diverse audience, including undergraduate and postgraduate students, research scholars, and faculty members. By nurturing a collaborative learning environment, our aim is to facilitate knowledge sharing, stimulate pioneering research, and entice young talents into the captivating realm of Nuclear Magnetic Resonance Spectroscopy.

**Patron**  
**Fr. Nelson Thaiparambil**  
**Manager**  
 St. Michael's College, Cherthala

**Scientific Advisor**  
**Dr. P. Manoj**  
 Head, Department of Chemistry  
 St. Michael's College, Cherthala

**Chairman**  
**Prof. (Dr.) Sindhu S. Nair**  
**Principal**  
 St. Michael's College, Cherthala

**Convenors**  
**Dr. Pearl Augustine**  
 Department of Chemistry  
 St. Michael's College, Cherthala

**Dr. Sunilkumar P. N.**  
 Secretary, MRS - Kerala

### Resource Persons



**Dr. Vinesh Vijayan**  
 Associate Professor,  
 Department of Chemistry,  
 IISER Trivandrum



**Dr. Sunilkumar P. N.**  
 Scientist, NMR Facility,  
 Mahatma Gandhi University  
 Kottayam



**Prof. (Dr.) Ashutosh Kumar**  
 Professor, Department of  
 Biosciences and  
 Bioengineering, IIT Bombay



**Prof. (Dr.) Sunny Kuriakose**  
 Professor (Rtd.), Department  
 of Chemistry,  
 St. Thomas College, Palai

### Oral and Poster Presentation

A separate session is devoted for limited number of participants to present their research work related to NMR spectroscopy. Interested participants may send a one page abstract (word format) of their presentation to the email address [magneticresonancesocietykerala@gmail.com](mailto:magneticresonancesocietykerala@gmail.com) on or before 12 January 2024. Selected candidates may be intimated after an expert level screening of the abstracts.

### Registration Fee

(includes Seminar Materials, Tea, Snacks and Lunch)

Faculty Members/Scientist	MRSK Member	Rs. 400
	Others	Rs. 500
Students	MRSK Member	Rs. 200
	Others	Rs. 250

### Bank Account Details

Bank Name: Canara Bank, Mayithara Branch  
 Name of Account Holder: Principal, St.  
 Michael's College, Cherthala  
 Acc. No. 1134101059733  
 IFSC Code: CNRB0001134

**Registration** : Please register using the following google link on or before 14th January 2024  
<https://forms.gle/DRfvGjULiYKPb4GA8>

### National Advisory Committee

Prof. C.T. Aravindakumar, Hon'ble Vice – Chancellor, Mahatma Gandhi University  
 Prof. S. Subramanian, IIT Chennai  
 Prof. P. K. Madhu, Tata Institute of Fundamental Research, Hyderabad  
 Dr. Vinesh Vijayan, IISER Trivandrum  
 Dr. Sunny Kuriakose, St. Thomas College, Palai  
 Dr. Ani Deepthi, University of Kerala, Trivandrum  
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 Dr. Rajendran V. R., Government Medical College, Calicut  
 Prof. Anilkumar G., Mahatma Gandhi University, Kottayam  
 Dr. Kesavadas C., SCTIMST, Trivandrum  
 Dr. Arunan C, KSCSTE, Trivandrum  
 Dr. Seno Jose, Government College, Kottayam  
 Dr. Paulson Mathew, St. Thomas College, Thrissur  
 Dr. Nygil Thomas, Nirmalagiri College, Kuthuparamba  
 Prof. Vincent Mathew, Central University of Kerala

### Organizing Committee

Dr. P. Manoj (Scientific Advisor)                      Dr. Pearl Augustine (Convenor)  
 Dr. Vinesh Vijayan President, MRS - Kerala                      Smt. Seena Elizabeth George  
 Dr. Sunilkumar P. N. (Convenor), Secretary,                      Smt. Liya Jose M., Sri. Joseph Libin K. L.  
 MRS - Kerala                      Dr. Beena James, Dr. Meera A. V.

### Contact

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Website: <http://www.mrs-kerala.org/>