





Magnetic Resonance Society Kerala

Registration No: TVM/TC/537/2020 **Date of registration:** 20/10/2020

Registered office: Central Instrumentation Facility (CIF), Indian Institute of Science Education and Research, Thiruvananthapuram (IISERTVM), Maruthamala PO, Vithura, Thiruvananthapuram – 695551, Kerala, India

E-mail: magneticresonancesocietykerala@gmail.com

Tel: 0471 2778083 (O) Mob: +91 9747496975 (Secretary); +91 8078761951 (President)

Vision

To bring together academically devoted and socially committed scientists and scholars in the field of Magnetic Resonance on a common platform to share knowledge, ideas, information, innovations and insights.

Mission

The Magnetic Resonance Society Kerala was established in the year 2020 with an aim to bring together scientists in the domain of magnetic resonance such as Nuclear Magnetic Resonance, Magnetic Resonance Imaging and Electron Spin Resonance on a common platform. This would provide an ideal learning and sharing environment for scientists in this domain to effectively transmit information, ideas, concepts and insights among peers and to a diverse community composed of researchers, scholars, teachers and students via conferences, seminars, symposia, workshops, lecture series and exhibitions. Thus, the Magnetic Resonance Society Kerala would build a resourceful, interactive and dynamic scientific community of scholars to disseminate knowledge in the domain of magnetic resonance to the society.

Objectives

- 1. To create an ideal learning and sharing environment for scientists in the domain of magnetic resonance to share ideas and insights.
- 2. To provide exposure to young researchers, scholars, teachers and students to interact with eminent researchers and scientists in the domain of magnetic resonance.
- 3. To promote interactions among scientific societies, academic bodies, research institutions and industries.
- 4. To strengthen collaborations between scientists and academicians

Magnetic Resonance Society Kerala (MRSK)

- 5. To disseminate scientific knowledge in the domain of magnetic resonance via conferences, seminars, symposia, workshops, and lectures.
- 6. To undertake activities to promote and familiarize magnetic resonance and its applications.
- 7. To generate and manage funds and endowments for the advancement of the field of magnetic resonance in Kerala.
- 8. To emerge as a scientific body to publish proceedings, journals, bulletins, newsletters and other publications that promote of the field of magnetic Resonance.

About

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. 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 (IISERTVM).

Membership Subscription

Membership form is available on the website http://mrs-kerala.org/

Types of memberships and fees

Student membership (Rs. 100 per year), individual membership (Rs. 500 per year), life membership (Rs. 2000) and corporate membership (Rs. 10,000).

Bank details for the remittance of membership fee

Name of Account holder: Magnetic Resonance Society Kerala

Bank Name and Branch: State Bank of India, Vithura Branch.

Account Number: 39867298003 IFSC Code: SBIN0070214



GOVERNING BODY

Honorary Member



Prof. S. Subramanian
Professor (Rtd.)
IIT, Madras





Prof. P. K. Madhu Professor, TIFR, Hyderabad

Vice-President



Dr. VineshVijayanAssociate Professor,
IISER TVM



Dr. Sunny KuriakoseFormer Professor,
Dept. of Chemistry
St. Thomas College, Palai

Secretary



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

Treasurer



Dr. AniDeepthiAssistant Professor,
Department of Chemistry,
University of Kerala, TVM

Executive Committee Members



Prof. M. R. Prathapachandra Kurup Central University of Kerala, Kasaragod



Prof. V. R. Rajendran KMCT Medical College, Calicut



Prof. Anilkumar G.School of Chemical Sciences,
Mahatma Gandhi University,
Kottayam



Prof. C. Kesavadas Professor, Radiology Division, SCTIMST, Trivandrum



Dr. Arunan C.
Head, Basic Science Division,
Principal Scientist (Scientist Ell)
KSCSTE, Trivandrum



Dr. Paulson MathewAssociate Professor,
Department of Chemistry,
St. Thomas College, Thrissur



Dr. Seno Jose
Professor,
Department of Chemistry,
Government College, Kattappana



Dr. Nygil ThomasAssistant Professor,
Department of Chemistry,
Nirmalagiri College,
Kuthuparamba



Dr. Ravishankar LPrincipal Scientist and
Associate Professor,
NIIST Trivandrum



Prof. (Dr.) Rajeev S Menon
Professor
Department of Chemistry
University of Calicut



Dr. Sindhu Mathai
Assistant Professor
Department of Applied Chemistry,
CUSAT



Dr. Anjali Devi J SAssistant Professor
Department of Chemistry
Kannur University



Zonal Coordinators

1. **South Zone** (Districts: Trivandrum, Kollam, Alappuzha and Pathanamthitta)



Dr. Sonia Mol Joseph,Department of Chemistry, Mar Ivanios College, Trivandrum.
Mob: 9895386671

E-mail: soniamol.joseph@mic.ac.in

2. **Middle Zone** (Districts: Kottayam, Idukki, Ernakulam, Thrissur and Palakkad.



Dr. Rajesh Kunjanpillai,Department of Chemistry, St. Albert's College, Ernakulam.
Mob: 8086111935

Email: rajeshkunjanpillai@alberts.edu.in

3. **North Zone** (Districts: Calicut, Malappuram, Kannur, Wayanad and Kasaragod)



Dr Ashwani Kumar N,
Department of Chemistry, Sir Syed College, Taliparamba
Mob: 9744773662

E-mail: ashwani272@gmail.com

MEMBERS

Life members: 60

Individual members (yearly): 7

Student members (yearly): 106

Inauguration of Magnetic Resonance Society Kerala

Prof. Sankaran Subramanian, Professor (Rtd.), Indian Institute of Technology, Madras and President, National Magnetic Resonance Society India Inaugurated the activities of Magnetic Resonance Society Kerala on 6th February 2021, online. Prof. Subramanian delivered the inaugural talk on the topic "Magnetic Resonance: The evergreen, multi-disciplinary and powerful spectroscopic technique". Dr. Christy George from Pennsylvania State University, USA, gave a talk on "Dynamic Nuclear Polarisation (DNP) enhanced NMR" at this event. More than a hundred people interested in magnetic resonance from various parts of India attended this event. Prof. N. Chandrakumar, Professor (Retd.), IIT Madras, was an essential partici pant in the event. Prof. (Dr.) Sunny Kuriakose (Vice-President MRSK) welcomed the attendees, Dr. Vinesh Vijayan (President MRSK) presided over the event, and Dr. Sunilkumar P. N. (Secretary MRSK) presented the vote of gratitude.



ON 6TH FEBRUARY 2021 FROM 5 PM TO 7 PM IST VENUE: GOOGLE MEET Link: meet.google.com/yvh-qibc-iba

INAUGURAL ADDRESS



PROF. SANKARAN SUBRAMANIAN Indian Institute of Technology, Madras President, National Magnetic Resonance Society India

Topic: Magnetic Resonance - The evergreen, multi-disciplinary & powerful spectroscopic technique

KEYNOTE ADDRESS



DR. CHRISTY GEORGE Pennsylvania State University, USA

Topic: Dynamic Nuclear Polarization (DNP) Enhanced NMR

Contact

E-mail: magneticresonancesocietykerala@gmail.com Mob: 8078761951 (Dr. Vinesh Vijayan, President) 9747496975 (Dr. Sunilkumar P. N., Secretary)

Launching of MRSK website

The website of Magnetic Resonance Society Kerala was launched on 21st November 2021 by Prof. S. V. Bhat, IISc, Bangalore during the webinar on ESR spectroscopy.

The website address is - http://www.mrs-kerala.org/

Activities of Magnetic Resonance Society Kerala 2021 - 2024





A Webinar on Magnetic Resonance: Theory, Instrumentation and Applications

A webinar on Magnetic Resonance was organized from May 20th to 23rd, 2021, in collaboration with the Srinivasa Ramanujan Institute for Basic Sciences (SRIBS) Pampady, Kerala. More than 200 people attended the webinar. Experts from several institutions, including AIIMS New Delhi, IISc Bangalore, Central University Kasaragod, NCL Pune, SCTIMST Trivandrum, IISER Trivandrum, IISER Pune, IISER Bhopal, and NIT Trichy, led various sessions on magnetic resonance.



MAGNETIC RESONANCE

THEORY, INSTRUMENTATION AND APPLICATIONS

The field of Magnetic Resonance encompassing Nuclear Magnetic Resonance (NMR) spectroscopy, Magnetic Resonance Imaging (MRI) and Electron Spin Resonance (ESR) spectroscopy has become an inevitable part of science and medical science. This webinar on Magnetic Resonance covers the theory, instrumentation and applications of NMR, MRI and ESR. The aim is to attract young talents to the area of research and to familiarize them with NMR spectroscopy, MRI and ERS spectroscopy. The targeted participants are the post-graduate students, researchers and young faculty members from various Colleges and Universities across the state.

Date: 20-23 May 2021

Venue: Online

Organized by

Magnetic Resonance Society Kerala (MRSK) (An academic Society for the promotion of Magnetic Resonance in Kerala)

Srinivasa Ramanujan Institute for Basic Sciences (SRIBS)

Pampady, Kottayam

(A capacity building initiative of Kerala State Council for Science Technology and Environment (KSCSTE), Govt. of Kerala)

Registration

Link for registration:

Register online on or before 15[™] MAY 2021

No registration fee

https://kscste.kerala. gov.in/2021/03/31/webinar-onnmr-esr-and-mri-organisedby-sribs-on-may-20-232021/

Resource Persons



Prof. N. R. Jagannathan AIIMS, New Delhi



Prof. S. V. Bhat IISc, Bangalore



Prof. S. Senthil Kumaran AIIMS, New Delhi



Prof. M. R. Prathapachandra Kurup Central University, Kasaragod



Dr. T. G. Ajithkumar NCL, Pune.



Prof. C. Kesavadas SCTIMST, Trivandrum



Dr. Bharathwaj Sathyamoorthy IISER, Bhopal.



Dr. Vinesh Vijayan IISER, Trivandrum.



Dr. Jeetender Chugh IISER, Pune.



Dr. A. Sreekanth NIT, Trichy



A Webinar on Electron Spin Resonance (ESR) Spectroscopy: Theory, Instrumentation, and Applications

A webinar on Electron Spin Resonance (ESR) Spectroscopy: Theory, Instrumentation, and Applications was held from November 20th to 2st, 2021, in collaboration with the Srinivasa Ramanujan Institute for Basic Sciences (SRIBS), Pampady, Kerala. More than 200 people attended the webinar. Experts from several institutions, including IISc Bangalore, IIT Madras, Central University Kasaragod, and NIT Trichy, led distinct sessions on electron spin resonance spectroscopy.

Webinar on

Electron Spin Resonance Spectroscopy: Theory, Instrumentation and Applications



Organized Jointly by

Magnetic Resonance Society Kerala (MRSK)



KSCSTE- Srinivasa Ramanujan Institute for Basic Sciences (SRIBS)

Pampady, Kottayam

The field of Magnetic Resonance encompassing Nuclear Magnetic Resonance (NMR) spectroscopy, Magnetic Resonance Imaging (MRI) and Electron Spin Resonance (ESR) spectroscopy has become an inevitable part of science and medical science. This webinar covers the theory, instrumentation and applications of Electron Spin Resonance Spectroscopy (ESR). ESR spectroscopy is used in various branches of science, such as biology, chemistry and physics, for the detection and identification of free radicals in the solid, liquid, or gaseous state, and in paramagnetic centers. The aim is to attract young talents to the area of research and to familiarize them with ERS spectroscopy. The targeted participants are the post-graduate students, researchers and young faculty members from various Colleges and Universities across the state.

Dates: 20-21 November 2021, Venue: Online

Registration Link: http://kscste.kerala.gov.in/webinar-on-electron-spin-resonance-spectroscopy-organised-by-kscste-sribs-magnetic-resonance-society-kerala-on-20-21-november-2021/

Register on or before 18th November 2021 No registration fee



RESOURCE PERSONS

PROF. S. SUBRAMANIAN IIT, Madras PROF. S. V. BHAT IISc, Bangalore





PROF. M. R. PRATHAPACHANDRA KURUP Central University, Kasaragod

DR. A. SREEKANTH NIT, Trichy



National Seminar on NMR Spectroscopy

A National Seminar on NMR Spectroscopy was held on April 22nd and 23rd, 2022, in collaboration with the Department of Chemistry, St. Thomas College, Palai. This was the first offline seminar organized by MRSK and the venue was St. Thomas College, Palai. More than 120 people attended this seminar. Experts from IISER Trivandrum, NIIST Trivandrum, St. Thomas College Palai, and Mahatma Gandhi University led several sessions of this conference.





Magnetic Resonance Society Kerala (MRSK) St. Thomas College, Palai



22-23 April 2022 (FRIDAY -SATURDAY)



Prof. Sabu Thomas (Hon'ble Vice Chancellor, M.G University)

The Magnetic Resonance Society Kerala (MRSK)- an academic society established in 2020 for the promotion of Magnetic Resonance in Kerala — in association with St. Thomas College, Palai - a prestigious higher education institution in Kerala accredited with A++ grade by NAAC - is organizing a National Seminar on NMR spectroscopy. The main objective of the seminar is to provide a profound understanding of basic principles and instrumentation of NMR spectroscopy. The seminar also covers topics on acquisition, processing and analysis of NMR spectra, and the application of NMR spectroscopy on the structural elucidation of organic molecules. The targeted participants include under-graduate and post-graduate students, researchers and young faculty members of higher education and research institutions in Kerala. The seminar would a knowledge-sharing platform that offers an excellent opportunity for the participants to interact with experts in the field of NMR spectroscopy.



Venue: St. Thomas College, Palai

RESOURCE PERSONS



ASSOCIATE PROFESSOR, DEPT. OF CHEMISTRY IISER, Trivandro







Dr. Sunilkumar P. N. Scientist, NMR Facility M. G. University, Kottayam

DR. RAVI SHANKAR L.



Inauguration of the Seminar



Participants with the Resource Persons



പാലാ സെന്റ് തോമസ് കോളേജിൽ <mark>ദ്രേശീയ സെമിനാർ</mark>

'മാഗ്നെറ്റിക് റസണർസ്' എന്ന വിഷയത്തിൽ പാലാ സസ്റ്റ് തോമസ് കോളേ വിദഗ്ധർ പ്രഭാഷ യിട്ടാള്ള വിദഗ്ധർ പ്രഭാഷ യായ്യസാങ്കേതിക രംഗത്ത് സമാപിച്ചത്. പാലാ സെർ, ത്യാ സംത്യത്തം വൈദ്യശായ്രം താണ്ടെ തോസ്റ്റിയ സംത്യതം വൈദ്യശായ്രം താണ്ട് സമാപിച്ചത്. പാലാ സെർ, ത്യാ സംത്യതം വെദ്യശായ്രം താണ്ടു തോസ്റ്റിയ സംത്യത്തം വൈദ്യശായ്രം താണ്ടു തോസ്റ്റിയും സംയുക്തമായാ തെവസ് ചാൻസെദ്ര വേദ്യം സംത്യത്തം വെദ്യശായ്രം സംത്യത്തം വൈദ്യശായ്രം സംത്യത്ത് കോരുള്ളും സെർ, തുവർ കോസറ്റിയും സംയുക്തമായാ ത് സെർവ്യന്റെ സംത്യത്ത് സ്വാര്യപ്രത്ത്യൻ സംത്യത്ത് സ്വാര്യപ്രത്യവര്യ സംത്യത്ത് സ്വാര്യപ്രത്യവര്യ സംത്യത്ത് സ്വാര്യപ്രത്യവര്യ സംത്യത്ത് സ്വാര്യപ്രത്യവര്യ പര്യത്ത്യവര്യ സംത്യത്ത് സെർവ്രത്യവര്യ സംത്യത്ത് പര്യവര്യ സംത്യത്ത് സോര്യപ്രത്യവര്യ സംത്യത്ത് സ്വാര്യപ്രത്യവര്യ പര്യത്യ വിദ്യാർഥികൾക്ക് വിദ്യാർഥികൾക്ക് വിദ്യാര്യവര്യ അധ്യാപകർക്കാം അധ്യാപകർക്കാം അധ്യാപകർക്കാം അധ്യാപകർക്കാം ഗവേഷക

🔾 പാലാ സെന്റ് തോമസ് കോളേജിൽ ആരംഭിച്ച ദേശിയ സെമിനാർ എം.ജി.സർവകലാശാല വൈസ് ചാൻസലർ പ്പൊഫ. ഡോ. സാബു തോമസ് സെമിനാർ ഉദ്ഘാടനംചെയ്യുന്നു

ചാലാ ▶ മാഗ്നറ്റിക് റെസൊണൻസ് സൊസൈറ്റി കേരളയും പാലാ സെന്റ് തോമസ് കോളേജും ചേർന്ന് സംഘടിപ്പിക്കുന്ന ദ്വിദിന ദേശീയ സെമിനാറിന് പാലാ സെന്റ് തോമസ് കോളേജിൽ തുടക്കമായി. മഹാ ത്മാഗാന്ധി യൂണിവേഴ്സിറ്റി വൈസ് ചാൻസലർ പ്രൊഫ. ഡോ. സാബു തോമസ് സെമിനാർ ഉദ്ഘാടനം നിർവഹിച്ചു സെന്റ് തോമസ് കോളേജ് പ്രിൻസിപ്പൽ ഫാ. ഡോ. ജെയിംസ് ജോൺ മംഗലത്ത് അദ്ധ്യ ക്ഷത വഹിച്ചു. ഡോ. വിനേഷ് വിജയൻ, പ്രൊഫ. ഡോ. സണ്ണി ക ാക്കോസ് ഡോ. പി.എൻ. സുനിൽകുമാർ എന്നിവർ പ്രസംഗിച്ചു.

Media Coverage

National Workshop on NMR Spectroscopy

A National Workshop on NMR Spectroscopy was held from September 16th to 18th 2022 in collaboration with the Srinivasa Ramanujan Institute for Basic Sciences (SRIBS), Pampady, Kerala. This event took place at the Hotel Excalibur in Thellakom, Kottayam. This workshop had a maximum capacity of 60 participants. Experts from several institutions, including IIT Mumbai, IISER Berhampur, TIFR Hyderabad, Syngene International Ltd. Bangalore, Bruker India Scientific Ltd. Bangalore, IISER Trivandrum, and Mahatma Gandhi University, delivered lectures on Nuclear Magnetic Resonance Spectroscopy.



Radiance NEWSLETTER

National Seminar on NMR Spectroscopy

A National Seminar on NMR Spectroscopy was held on November 4th and 5th, 2022, in collaboration with the Department of Chemistry, Nirmalagiri College, Kuthuparamba. The venue of this seminar was Nirmalagiri College, Kuthuparamba. More than 120 people attended this seminar. Experts from IISER Trivandrum, NIIST Trivandrum, St. Thomas College Palai, and Mahatma Gandhi University led different sessions of this conference.

National Seminar on NMR SPECTROSCOPY



Jointly organized by

MagneticResonanceSocietyRerala(MRSK)

Department of Chemistry, Nirmalagiri College, Kuthuparamba



on

4[™] & 5[™] November 2022

Venue: Nirmalagiri College, Kuthuparamba

The Magnetic Resonance Society Kerala (MRSK) - an academic society established in 2020 for the promotion of Magnetic Resonance in Kerala — in association with Department of Chemistry, Nirmalagiri College, Kuthuparamba — a prestigious higher education institution in Kerala accredited with A grade by NAAC - is organizing a National Seminar on NMR spectroscopy. The main objective of the seminar is to provide a profound understanding of basic principles and instrumentation of NMR spectroscopy. The seminar also covers topics on acquisition, processing and analysis of NMR spectra, and the application of NMR spectroscopy on the structural elucidation of organic molecules. The targeted participants include under-graduate and post-graduate students, researchers and young faculty members of higher education and research institutions in Kerala. The seminar would a knowledge-sharing platform that offers an excellent opportunity for the participants to interact with experts in the field of NMR spectroscopy.



RESOURCE PERSONS

DR. VINESH VIJAYAN
Associate Professor,
Dept. of Chemistry IISER, Trivandrum







DR. SUNILKUMAR P. N. Scientist, NMR Facility M. G. University, Kottayam

DR. RAVI SHANKAR L. Principal Scientist NIIST, Trivandrum



Inauguration of the Seminar



Participants with the Resource Persons





Media Coverage

National Symposium on Magnetic Resonance: Theory, Instrumentation and Applications

A National Symposium on Magnetic Resonance: Theory, instrumentation and applications was held from 23rd to 25th June 2023, in collaboration with the Department of Chemistry, Department of Chemistry, Government College, Kottayam. The venue of this symposium was Government College, Kottayam. More than 120 people attended this symposium. Experts from IISER Trivandrum, SCTIMST Trivandrum, Central University Kerala, St. Thomas College Palai, KMCT Medical College Calicut, IISER Bhopal, Rani Channamma University Karnataka and Mahatma Gandhi University led different sessions of this symposium.





GOVERNMENT COLLEGE KOTTAYAM

Government College Kottayam is the only government-owned Arts and Science College in Kottayam district and functions under the Department of Collegiate Education. The College was re-accredited by the National Assessment and Accreditation Council (NAAC) with 'A' Grade in 2016, and placed in the 101 – 150 band in the National Institutional Ranking Framework (NIRF) in 2023. Established in 1972, and situated in a beautiful campus at Nattakom, the college has evolved into a major higher education institution, catering to students of all strata of society, with excellent infrastructure facilities and competent research environment.

DEPARTMENT OF CHEMISTRY

Department of chemistry offers B.Sc. (Model-II) and M.Sc. Industrial Chemistry programmes, ICT-enabled classrooms, well-furnished modernized chemistry laboratories, modernized computational chemistry lab, well-equipped water quality analysis lab, and Sophisticated Analytical Instrument Facility are some of the unique features of the department. The department is an interdisciplinary research centre.

MAGNETIC RESONANCE SOCIETY OF KERALA

Magnetic Resonance Society Kerala (MRSK) was established in 2020. The prime objective of the society is to provide a platform to bring together scientists and professional researchers in the field of Magnetic Resonance and to share their expertise with students and young researchers. Students, teachers, researchers, industrialists, and scientists who are interested in the area of magnetic resonance can enrol as members of the society (yearly or life membership).



Inauguration of the Seminar



Participants with the Resource Persons









National Seminar on NMR Spectroscopy

A National Seminar on NMR Spectroscopy was held on October 20th & 21th 2023, in collaboration with the Department of Chemistry, Mar Athanasius College Kothamangalam (Autonomous). The venue of this seminar was Mar Athanasius College Kothamangalam. More than 120 people attended this seminar. Experts from IISER Trivandrum, IISER Pune, St. Thomas College Palai, and Mahatma Gandhi University led different sessions of this conference.



Inauguration of the Seminar



Participants with the Resource Persons



Media Coverage



എം. എ കോളജിൽ നടന്ന ദ്വിദിന ദേശിയ സെമിനാർ പുനെ ഐഐഎസ്ഇആർ ലെ അനോസിയേറ്റ് പ്രൊഫ. ഡോ. ജിതേന്ദർ ചുഹ് ഉദ്ഘാടനം നിർവഹിക്കുന്നു

എംഎ കോളേജിൽ ദ്വിദിന ദേശീയ സെമിനാർ

കോതമംഗലം: മാർ അഭ ഷ്യസ് (ഓട്ടോണോമസ്) കോ ളജിലെ രസതന്ത്ര വിഭാഗത്തി യുടെയും സംയുക്ത ആദിമു ഖ്യത്തിൽ ദ്വിദിന ദേശീയ സെ മിനാർ സംഘടിപ്പിച്ചു. പുനെ ഇന്ത്യൻ ഇൻസ്റ്റിറ്റ്യൂട്ട് ഓഫ് സ യൻസ് എഡ്യുക്കേഷൻ ആൻ ഡ് റിസേർച്ച് സെന്ററിലെ അ നം നിർവഹിച്ചു

ുസ്ഇആർ അസോ. ഒപ്പാഫ്. വിതിഷ് വിജയൻ അ

ധുക്ഷത വഹിച്ചു.കേരള സ്റ്റേറ്റ് കൗൺസിൽ ഫോർ സയൻസ്, ടെക്നോളജി ആൻഡ് എൻ ന്റെയും, മാഗ്നറ്റിക് റേസോ വയോൺ മെന്റ് ധനസഹായ ണൻസ് സൊസൈറ്റി കേരള ത്തോടെയായിരുന്നു സെമി ത്തോടെയായിരുന്നു സെമി നാർ. കോളജ് പ്രിൽസിപ്പൽ ഡോ. മഞ്ജു കുരുൻ, വകു പ്പ് മേധാവി ഡോ. ഡെൻസി ലി ജോസ്, മാഗ്നറ്റിക് റേസോ ണൻസ് സൊസൈറ്റി അംഗങ്ങ സോ.പ്രൊഫസർ ഡോ. ജിതേ സ്, ഡോ. ചി. എൻ സൂനിൽ ളായ യോ. സണ്ണി കുര്യാക്കോ ന്ദർ ചുഹ് സെമിനാർ ഉദ്ഘാട കുമാർ, സെമിനാർ കോഓർ തിരുവനത്തപുരം ഐഐ ലിപ്പ് സംസാരിച്ചു. (പിൻസി ഡിനേറ്റർ ഡോ. ഷെറിൽ ഫി പ്പൽ ഡോ. മഞ്ജു കുരുനെ ടങ്ങിൽ അനുമോദിച്ചു.

Radiance NEWSLETTER

National Seminar on NMR Spectroscopy

A National Seminar on NMR Spectroscopy was held from January 17th to 19th 2024, in collaboration with the Department of Chemistry, St. Michael's College Cherthala. The venue of this seminar was St. Michael's College Cherthala. More than 120 people attended this seminar. Experts from IIT Mumbai, IISER Trivandrum, St. Thomas College Palai, and Mahatma Gandhi University led different sessions of this conference.

Department of Chemistry, St. Michael's College

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/)

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

The Magnetic Resonance Society Kerala was established in the year 2020 with an 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). 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).





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.

Fr. Nelson Thaiparambil Manager

St. Michael's College, Cherthala

Scientific Advisor

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

Prof. (Dr.) Sindhu S. Nair

Principal

St. Michael's College, Cherthala

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

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









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 on or before 12 January 2024. Selected candidates may be intimated after an expert level screening of the abstracts.

Registration Fee

(IIICIUU	es Serminar IVI	ateriais, i	ea, Shacks and Editori)
Ity Members/Scientist	MRSK Member	Rs. 400	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
	Others	Rs. 500	
ents	MRSK Member	Rs. 200	
	Others	Rs. 250	

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

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 Prof. Prathapachandra Kurup M. R., Central University, Kasaragod Dr. Rajendran V. R., Government Medical College, Calicut Prof. Anilkumar G., Mahatma Candhi University, Kottayam Dr. Kesavadas C. SCTIMST Trivandrum

Facul

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, Kuthuparam Prof. Vincent Mathew, Central University of Kerala

Dr. P. Manoj (Scientific Advisor)
Dr. Vinesh VijayanPresident, MRS - Kerala
Dr. Sunilkumar P. N. (Convenor), Secretary,
MRS - Kerala

Dr. Pearl Augustine (Convenor) Smt. Seena Elizabeth George Smt. Liya Jose M., Sri. Joseph Libin K. L. Dr. Beena James, Dr. Meera A. V.

Dr. Sunil Kumar P. N. (9747496975)

Dr. Pearl Augustine (9495161734)

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

Inauguration of the Seminar



Participants with the Resource Persons



ദേശീയ സെമിനാർ

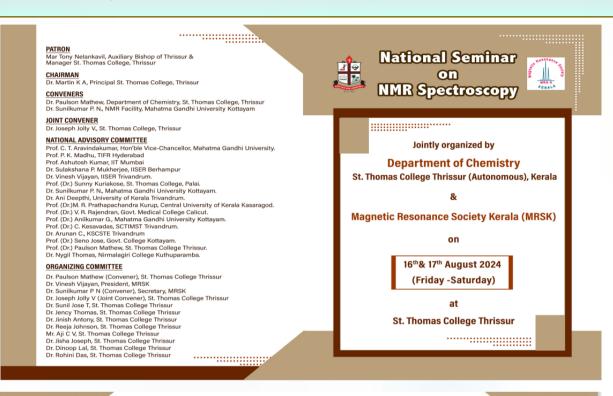
ചേർത്തല: സെന്റ് മൈക്കിൾസ് കോളജ് രസതന്ത്ര വിഭാഗം മഗ് നറ്റിക് റെസൺസ് സൊസൈറ്റി യുടെയും കേരള സ്റ്റേറ്റ് കൗൺ സിൽ ഫോർ സയൻസ് ടെ ക്നോളജി ആൻഡ് എൻവയോ ൺമെന്റിന്റെയും സംയുക്താഭിമു ഖൃത്തിൽ ദേശീയ സെമിനാർ സംഘടിപ്പിച്ചു. ശാസ്ത്രജ്ഞർ, പിജി വിദ്യാർഥികൾ, ഗവേഷക ർ തുടങ്ങിയവർ പങ്കെടുത്തു.

Media Coverage



National Seminar on NMR Spectroscopy

A National Seminar on NMR Spectroscopy was held from August 16th to 17th 2024, in collaboration with the Department of Chemistry, St. Thomas College Thrissur. The venue of this seminar was St. Thomas College Thrissur. More than 120 people attended this seminar. Experts from IISc Bangalore, IISER Trivandrum, St. Thomas College Palai, and Mahatma Gandhi University led different sessions of this conference.



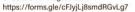
The Department of Chemistry, St. Thomas College (Autonomous) Thrissur (https://stthomas.ac.in/)- a prestigious higher education institution in Kerala- in association with the Magnetic Resonance Society Kerala (http://mrs-kerala.org/)- an academic society established in 2020 for the promotion of knowledge sharing amongst academics in Magnetic Resonance in Kerala - is organizing a two-day National Seminar on NMR spectroscopy. The main objective of the seminar is to provide a profound understanding of basic principles and instrumentation of NMR spectroscopy. The seminar also covers topics on acquisition, processing and analysis of NMR spectra, and the application of NMR spectroscopy on the structural elucidation of molecules. The targeted participants include under graduate and post-graduate students, researchers and young faculty members of higher education and research institutions in Kerala. The seminar would be a knowledge-sharing platform that offers an excellent opportunity for the participants to interact with experts in the field of NMR spectroscopy.

RESOURCE PERSONS

- PROF. (DR.) SIDDHARTHA P. SARMA, Professor, Indian Institute of Science, Bangalore.
- DR. VINESH VIJAYAN, Associate Professor, Dept. of Chemistry, IISERTrivandrum
- DR. SUNNY KURIAKOSE, Professor (Rtd.) Dept. of Chemistry, St. Thomas College, Palai DR. SUNILKUMAR P. N., Scientist, NMR Facility, Mahatma Gandhi University, Kottayam

REGISTRATION

Please register using the following google link on or before 14th August 2024





Registration fee (Includes seminar materials, Tea, Snacks and Lunch)

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

(Please transfer the fee to the MRSK bank account):

BANK ACCOUNT DETAILS Bank Name

State Bank of India, Vithura Branch Name of the Account Holder: Magnetic Resonance Society

Account No. 39867298003

IFSC Code

ACCOMMODATION

We will help the participants to find accommodation (hotel/hostel) at a

Dr. Paulson Mathew (Mob: 9961634256)

Dr. Sunilkumar P N (Mob: 9747496975)
E-mail: magneticresonancesocietykerala@gmail.com

Website: http://mrs-kerala.org/

- (1) IQAC, St. Thomas College, Thrissur.
- (2) OSA, St. Thomas College, Thrissur. (3) Unique Scientific, Thrissur, Kottayam & Trivandrum.
- (4) Chemind Chemicals, Thrissur.

Inauguration of the Seminar



Participants with the Resource Persons



Media Coverage





Biannual Newsletter

Constituted an Editorial Board for publishing the newsletter with **Prof. (Dr.) Sunny Kuriakose** as the Managing Editor



CERTIFICATE COURSE IN MAGNETIC RESONANCE

Entrusted Prof. (Dr.) Seno Jose (Department of Chemistry, Government College, Kattappana) for the initial preparations of the course.

Dr. Seno is trying to get recognition for the course by National Skill

Development Corporation (NSDC)

Basic Science Society Kerala (BSSK)

MRSK decided to constitute a new independent academic society with the following objectives.

- 1. To foster information exchange, creativity, and insight among academicians and scientists who are socially and intellectually engaged in basic sciences.
- 2. To create the optimal setting for learning and sharing basic science knowledge among educators, scientists, and students (in school, college, and university settings) through conferences, seminars, symposiums, workshops, lecture series, publications, and exhibitions.
- 3. To give schoolchildren the chance to engage with well-known researchers and specialists in the field of basic science, therefore helping them to comprehend the significance of this field of study.
- 4. To draw more gifted students into the study of fundamental science.

 We have done the Survey of Interest and there are many persons interested in co-operating with the activities of this Society.



Future Programmes

- 1. Organizing NMR workshops and seminars periodically
- 2. Publishing the Newsletter half early
- 3. Commencement of Certificate Course in Magnetic Resonance
- 4. Establishment of Magnetic Resonance Research Institute
- 5. Constituting the Basic Science Society Kerala