

INTERNATIONAL CONFERENCE ON RESEARCH IN EMERGING ADVANCED MATERIALS AND SPECTROSCOPY

(ICREAMS - 2024)

In commémoration of National Science Day

21 & 22 February, 2024



Organised by

PG & Research Department of Physics
Sri Vidya Mandir Arts & Science College
(Autonomous) Katteri -636902, Uthangarai,
Krishnagiri, Tamilnadu, India

In association with

Indian SpectroPhysics Association (ISPA)
Chennai, India

About the College

The visionary philanthropists of Sri Vidya Mandir Higher Educational Trust started Sri Vidya Mandir Arts & Science College in Uthangarai in the year 2000 with a noble aim of uplifting the Economically and Educationally Backward districts of Dharmapuri and Krishnagiri into the number one educational destination in TamilNadu. The college is surrounded by the culturally rich pilgrimage centers Hanuman Theertham (2 Km) and Theerthamalai (15 Km) associated with the famous epic, the Ramayana. The college is well - connected with nearby cities and is located in the Salem - Vellore state highways. Currently the college has attained the strength of more than 3500 students, 134 Faculty members, 123 non - teaching staff members. Our College secured highest CGPA score in NAAC ('A' Grade, 3.27/4.00) among the Periyar University affiliated colleges in the first cycle and also recognized with the same till the year of 2025. Now our college has accomplished with the status of Autonomous from the academic year 2020 - 2021.

About the Department

The Department of Physics was started in the year 2000 in order to motivate the rural students to provide higher education in the field of Science. The Department offers UG, PG, M.Phil and Ph.D Programmes. 22 Gold medals and 131 other ranks were procured by our students from the Periyar University. The Department had successfully organized more than 35 State/ National/ International level Conferences/ Workshops/ Seminar/ Inspire Camps/ Webinars/ Special Lectures with the financial assistance of diverse leading funding agencies of Government of India, Government of Tamil Nadu and noteworthy contributions from the College Management. A recent unique accomplishment of the Department is that it has been sanctioned with the FIST (Funds for Infrastructure Development of Science and Technology) grant by the prime funding body of the Government of India, Department of Science and Technology.

About ISPA

Indian SpectroPhysics Association (ISPA) is a brain child of Veteran Professor and Scientist Dr. S. Gunasekaran. ISPA was started on April 23, 1998, it is a registered society under whose auspices, conferences, workshops and seminars are organized. ISPA is the peak of a strong belief that enlightening young minds and empowering them to pursue research through Spectroscopy. ISPA has an enviable record of having organized 16 International conferences and 18 National Conferences. ISPA also has organized 20 State Level Technical Seminars in Physical Sciences for PG and M.Phil. students, since 1999. Indian SpectroPhysics Association (ISPA) finds its place in encouraging renowned and young scientists by honouring them with ISPA Awards in the recognition of the research findings of the scientists. 15 Veteran scientist Awards, 54 Life Time Achievement Awards 84 ISPA Dr. S. Gunasekaran Awards, Dr. S. Mohan Awards, are given to researchers who have made excellent contributions in the field of Research, during Conferences/ Seminars organized by ISPA. An international consortium has been made with the Medical University of Sofia for a tune of 1000 crore for a research project. Visit www.ispa.org.in for more details. Annual and Life Team Membership forms can be availed from the website.

About the Conference

INTERNATIONAL CONFERENCE ON RESEARCH IN EMERGING ADVANCED MATERIALS AND SPECTROSCOPY (ICREAMS - 2024) is organised by the Department of Physics in collaboration with ISPA. The conference aims to proclaim knowledge and share new ideas amongst the professionals and students from research areas of Spectroscopy, Crystallography, Biophysics, Medical Physics, Molecular Dynamics, Materials Science, Crystal Growth and Nanotechnology to share their research experiences and indulge in interactive discussions and technical sessions at the event. The conference will also have a space for colleges/institutions to present their services, products, innovations and research results. The conference would create a platform for the scientists to interact with research scholars on the latest findings in their respective fields. The research papers of the conference intend to throw light on the application oriented innovative research in their respective fields.

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Focused Areas

- Spectroscopy
- Bio Physics
- Drug Design
- Instrumentation
- Characterization Methods
- MEMS Design
- Optoelectronic Devices
- Superconducting Materials
- Transport Properties
- Theoretical Physics
- Crystal Growth
- Medical Physics
- DFT Analysis
- Luminescent Materials
- Molecular dynamics
- Nanotechnology
- Surface Engineering
- Semiconductor Materials
- Thin Film Technology
- Photocatalysts
- Crystallography
- Ceramic Materials
- Polymer Composites
- Magnetic Materials
- Modelling & Simulation
- Nonlinear Optics
- Sensor & Smart Materials
- Solar Technology
- Materials Science
- Nano Optics

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Invited Speakers

Prof. Irena Kostova, Ph.D., D.Sc.



Professor, Faculty of Pharmacy
Medical University, Sofia
Bulgaria

Prof. Jiban Podder, Ph.D., F.B.A.S.



Professor, Department of Physics
Bangladesh University of Engineering and Technology
Dhaka, Bangladesh

Prof. M.N. Ponnusamy, Ph.D., D.Sc.



Emeritus Professor, Centre for Advanced Study in
Crystallography and Biophysics
University of Madras, Chennai

Prof. S. Gunasekaran, Ph.D., D.Sc.



Dean (R&D)
St. Peter's Institute of Higher Education and Research
Chennai

Prof. Debashish Bhattacharyya, Ph.D.,



Deputy Director (Retd.)
Indian Institute of Chemical Biology
Jadavpur, Kolkata

Prof. C. K. Jayasankar, Ph.D., F.N.A. Sc.



Emeritus Professor, Former UGC-BSR Faculty Fellow
Department of Physics
Sri Venkateswara University, Tirupati

Prof. Byru Venkatram Reddy, Ph.D.



Professor, Department of Physics
Kakatiya University
Warangal

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Presidency College
Chennai

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Associate Professor, Department of Physics
Arignar Anna Government Arts College
Cheyyar

Dr. P. Janani, Ph.D.,



Instructional Designer Head (Academics)
Echtian Contents Private Limited
Mumbai

Food for Thought



On February 7, 1928, Krishnan confirmed the presence of "weak fluorescence" in a number of organic liquids and vapours. Two days later, Raman and Krishnan detected the new radiation in vapours of ether and amylene. On February 28, 1928 Raman and Krishnan examined the influence of the wavelength of the incident light on the phenomenon, To their surprise, they found that the modified scattering was separated from the scattering corresponding to the incident light by a dark space leading to the discovery of Raman Effect.

The apparatus used by Raman for his discovery would not have been more than Rs. 300. The discovery was not the result of an accident, but was the culmination of seven years of systematic and sustained work carried out with devotion by Raman and his band of students leading to the commemoration of National Science Day Celebration.

Call for Abstracts

The Organizing committee invites original research papers for oral and poster presentation. Authors are requested to send the abstract not exceeding 300 words in the prescribed font (Times New Roman, Font - 12 points and 1.5 lines spacing) to the mail svmcphycreams2024@gmail.com on or before 10- 02- 2024 Papers will be accepted for presentation based on the recommendation of the panel of referees and the full length of the selected papers will be published in the proceedings with ISBN number. The full length paper will be published in the International Journal of Science, Technology and Humanities (INJSTH).

Last Date for Abstract submission : 29.01.2024
Last Date for full Length Paper Submission : 10.02.2024

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Registration

Participants - Rs. 500
Paper Presentation for M.Sc. Students - Rs. 750
Research Scholars/ Faculty Members - Rs. 1000
Industry Persons - Rs. 1250

ISPA Awards

ISPA Veteran Scientist Award
ISPA Life Time Achievement Award
ISPA Dr. S. Gunasekaran Award
Best Oral/ Poster Presentation

Address for Communication

Dr. R. Arivuselvi, Convener, ICREAMS - 2024

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