



International Virtual Conference on Physics of Emerging Materials and Molecules (IVCPPEMM - 2021)

In Commemoration of National Science Day



Organized by

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



4 - 5 March 2021

In Collaboration With

Indian SpectroPhysics Association (ISPA)
Chennai

About the College

The visionary Philanthropists of Sri Vidya Mandir Higher Educational Trust started Sri Vidya Mandir Arts and 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 Hanumantheertham (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, 124 Faculty Members, 90 Non-Teaching staffs . 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 been accomplished with the status of Autonomous in the current academic year.

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. It was first started with 17 students only, but the present strength is 500 students. At present, 13 students are pursuing research. 06, 124 and 292 students are doing M.Phil., PG and UG Degree, respectively in the PG & Research Department of Physics. Our Department students have clinched 24 gold medals and 150 university rankings in Periyar University Examinations.

The Department has successfully organized 2 International conferences, 2 National Conferences, 1 International Level workshop, 3 National Level workshops, 5 Inspire Internship Camps, 1 Scientific Awareness Program, 1 Young Student Scientist Program and 15 State Level Seminars with the financial assistance of diverse leading funding agencies of Government of India and Government of Tamil Nadu and also 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 Spectro Physics 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 **10 International conferences** and **15 National Conferences**. ISPA also has organized **16 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 honoring them with **ISPA Awards** in the recognition of the research findings of the scientists. **3 Veteran scientist Awards, 20 Life Time Achievement Awards and 57 ISPA Dr. S. Gunasekaran Awards** are given to researchers who have made excellent contributions in the field of Research, during Conferences/Seminars organized by ISPA.

Focus of the Conference

International Virtual Conference on Physics of Emerging Materials and Molecules (IVCPPEMM – 2021) 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.

Focussed Areas

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

Awards

- Life Time Achievement Award
- ISPA Dr. S. Gunasekaran Award

No Registration Fee

Submission of 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 svmcphysics@gmail.com on or before 15-02-2021. 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.

Last Date for Abstract submission : 20.02.2021

Last Date for full Length Paper Submission : 25.02.2021

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