



Sri

**SAI RAM**  
ENGINEERING COLLEGE

An Autonomous Institution

West Tambaram, Chennai - 44  
[www.sairam.edu.in](http://www.sairam.edu.in)



Department of Humanities and Sciences (Physics)

International Conference on  
**MODERN FUNCTIONAL  
MATERIALS**  
(ICMFM-2021)

24.06.2021 & 25.06.2021

## **ABOUT THE INSTITUTION**

Sri Sai Ram Engineering College, Chennai, established in the year 1995 by MJF.Ln.Leo Muthu, Chairman of Sapthagiri Educational Trust, is a non-profitable, and non-minority institution. A well defined vision, highly committed mission and dedicated leadership facilitate Sri Sai Ram Engineering College to be in the best of educational institutions in the country. Since its inception, our Institution has grown into a vast conglomerate of magnificent buildings, state-of-the-art and sophisticated laboratories internet centers, modern library and a superlative sports complex-each a land mark in itself across 300 acres. Its quiet and idyllic surroundings, comprising of the architecturally and aesthetically designed buildings, the sports playgrounds and the lush greenery make it one of the most preferred destinations for the aspirants of Engineering studies. The College is affiliated to Anna University and is also approved by the All India Council for Technical Education, New Delhi. Sri Sai Ram Engineering College has developed into a reputed Engineering Institution with NAAC Accredited with 'A+' Grade and ISO 9001:2015 certifications and this year, all our eligible Engineering courses got accredited by the National Board of Accreditation.

## **HUMANITIES AND SCIENCES**

Equipped with a vision to shape the probing minds of aspiring technocrats and induced upon the mission to scientific knowledge coupled with technical skills, using innovative and interesting methods of teaching, the department of humanities and sciences has striven hard to understand the educational goals of the institution. The core of this intellectual venture has been the innumerable contribution of a team of dedicated and committed professionals. Motivated by the enthusiasm to enrich the repository of knowledge, the research oriented faculty members persistently participate in various conferences, workshops and seminars that are the part of our faculty development programme. Equipped with a doctoral degree many members of this department are abundantly contributing to the improvement of scientific ideas and provide assistance in technical projects. Department of Humanities and Sciences mould the students in the right attitude towards Physics, Chemistry, Mathematics and English to render the complete basics of Engineering. Efforts are on to set up a full-time research lab in the fields of Engineering Physics, Engineering Chemistry and Applied Mathematics.

## **DEPARTMENT OF H & S (PHYSICS)**

The department faculties are nurturing the students to understand the modern technological aspects of Physics, while seeking technical competence. The Physics laboratory has an environment that promotes greater level experiments like Hall measurement, Semiconductor diodes, Transistor circuits, JFET Oscillator, laser and optical fibres and enables the students to get hands-on training with a view to strengthen their knowledge. Importance is laid on grooming all-around personalities by involving them in projects that require wisdom and expertise. Our department faculty are working in various areas of research such as crystal growth, crystallography, thin film, nanomaterials, solar cells, photonics, bio-materials, laser spectroscopy and are engaged in guiding the research scholars.

## ABOUT THE CONFERENCE

The recent scientific and technological developments are pillars of modern aspects of science and engineering. This could be possible by the fruitful exchange of ideas and effective collaboration among scientists, engineers and researchers from different dimensions of science, technology and industry. In this connection, Physics department of Sri Sai Ram Engineering College, Chennai is bringing up a unique platform for students, researchers and academia to experience lectures/talks from experienced scientists across the globe.

The Physics Department is very glad to conduct an International Conference on Modern Functional Materials (ICMFM-2021) from 24th to 25th of June 2021. During the conference, participants shall experience the quintessence of science and technology and upgrade their knowledge from the renowned international scientific expertises in various fields of advanced materials and device technology. The purpose of ICMFM-2021 is to enable an opening for the participants to think and collaborate in interdisciplinary subjects.

The participants who are willing to send their research outcomes may send one page abstract according to the required format (attached herewith) to

**icmfmsairam2021@gmail.com**  
**on or before 15 May 2021.**

## FOCUSING AREAS

- Bulk Crystal Growth
- Nucleation kinetics
- Crystal Growth methods
- Novel Crystal growth techniques
- NLO and Laser Crystals
- Magnetic materials
- Electro optic and Acousto-optic Crystals
- Thin Film technology
- Nanomaterials
- Thermoelectric Materials
- Photovoltaic Materials
- Supercapacitor electrode Materials
- Li-ion batteries
- Solar cell Devices

## REGISTRATION DETAILS

This international conference is open to UG/PG students, researchers, faculty members and scientists from Universities, Colleges, R&D institutes and researchers from Industry. Certificate will be provided for all the registered participants. The participants can register using the registration form attached herewith.

### FEE DETAILS:

Faculty/Scholar/Scientist	: Rs. 300
Overseas participant	: USD 100
Industries	: Rs. 500
Students	: Rs. 200

Accommodation can be arranged for all registered outstation participants.

Registration fee includes course materials, lunch, refreshment and certificate. The registration fees may be paid through DD in favour of "SRI SAIRAM ENGINEERING COLLEGE" Payable at Chennai. Online fund transfer is also encouraged.

### BANK ACCOUNT DETAILS

Bank Name : City Union Bank  
Account Name : Sri Sairam Engineering College,  
Account Number : 510909010112273,  
Branch : Poonthandalam,  
IFSC Code : CIUB0000634, MICR No. : 600054125.

### IMPORTANT DATES

Submission for Abstract	: 15.05.2021
Notification for acceptance of Abstract	: 31.05.2021
Last date for Registration	: 20.06.2021

### AWARDS FOR RESEARCH SCHOLARS

Abstracts related to the conference topics are only invited and the best 3 oral presentations will be awarded a cash prize and merit certificates. The selection will be based on the performance and the decision of the panel of experts will be final.

### RESEARCH PUBLICATIONS

Selected manuscript will be published in SCOPUS/SCI Indexed Journals

## ADVISORY COMMITTEE

Prof. Mariusz Marchewka, Polish Academy of Sciences, Poland  
Prof. S. Lourdudoss, KTH, Sweden  
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Prof. G. Anbalagan, University of Madras, India  
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Prof. J. Kumar, Crystal Growth Centre, Anna University, India.  
Prof. S. Narayana Kalkura, Crystal Growth Centre, Anna University, India.  
Prof. K. Baskar, Crystal Growth Centre, Anna University, India.  
Prof. D. Arivuoli, Crystal Growth Centre, Anna University, India.  
Prof. S. Moorthy Babu, Crystal Growth Centre, Anna University, India.  
Dr. K. Shanthi, Crystal Growth Centre, Anna University, India.  
Dr. Sasikala Ganapathy, Crystal Growth Centre, Anna University, India.  
Dr. Shubra Singh, Crystal Growth Centre, Anna University, India.  
Dr. G. Ravi, Alagappa University, India  
Dr. P. Murugakoothan, C Kandaswami Naidu College for Men, India.  
Dr. R. Mohankumar, Presidency College, India.

## INTERNATIONAL & NATIONAL SPEAKERS (TENTATIVE)

Dr. Akira Yoshikawa, Institute for Materials Research, Tohoku University, Japan.  
Prof. S. Lourdudoss, KTH-Royal Institute of Technology, Sweden  
Dr. John V Kennedy, National Isotope Centre, GNS Science, New Zealand  
Prof. Satheesh Krishanmoorthy, The Open University, UK  
Dr. Kentaro Tashiro, National Institute for Materials Science (NIMS), MANA, Japan  
Dr. R. Judit Lisoni, Universidad Austral de Chile, Chile.  
Prof. R. Jayavel, Centre for Nanoscience and Technology, Anna University, India  
Dr. G. Anbalagan, University of Madras, India.  
Dr. M. Manivel Raja, DRDO (DMRL), India.

## ORGANIZING COMMITTEE

### Chief Patron:

**Shri. Sai Prakash LeoMuthu**  
Chairman & CEO, Sairam Institutions

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Dr. S. Ramakrishnan, H.O.D.  
Department of H & S

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Dr. N. Sivakumar  
Convener, ICMFM-2021

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Mrs. M. Dhivya  
Dr. S. Balamurugan  
Dr. E. Brindha



### Address for correspondence:

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**Mobile: +91 88073 37714**



Registration Link:

<https://tinyurl.com/cc7acf8h>



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24-25, June 2021

**REGISTRATION FORM**

Name :

Designation :

Category :

(Student/Research Scholar  
/Postdoc./Faculty/Industry)

Organisation :

Conference theme :  
(Select from focusing area of the conference)

Address for correspondence :

Contact No. :

E-mail ID :

Date:

Signature

## FORMAT OF ABSTRACT

- Title : Times New Roman, Font 24
- Author(s) name : Times New Roman, 14
- Affiliation : Times New Roman, 14
- Abstract : Submit the abstract with a maximum of 250 words (may include 1 figure), (Font: Times New Roman, size: 12). Include only one figure with 600dpi for better quality. All the abstracts will be compiled and published in the form of souvenir.
- Keywords : Limit the number of key words to 5 (Times New Roman 12)
- References : Limit the reference to 6 (Times New Roman, 12)
- Reference style : Reference to a journal publication:  
[1] N. Sivakumar, G. Anbalagan, R. Jayavel, The art of writing a scientific article, J. Sci. Commun. 163 (2010) 51–59.
- Reference to a book : [3] S. Jhon peter, E.B. White, The Elements of Style, fourth ed., Longman, New York, 2000.