



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited "A" Grade by NAAC | Approved by AICTE



TRENČIANSKA UNIVERZITA
ALEXANDRA DUBČEKA V TRENČÍNE

Second International Conference on Advancements in Materials Science and Technology (iCAM-2022)

An Indo-Europe Joint Event

November 2-4, 2022

Jointly Organized by



FunGlass

Centre for Nanoscience and Nanotechnology
Centre of Excellence for Energy Research

SATHYABAMA

&

FunGlass Research Centre

TnUAD

About iCAM 2022

The objective of the **iCAM2022** is to highlight the current research in the thrust areas of materials science and technology. This conference shall be a platform and opportunity to learn and share the latest research insights in materials science and technology. This conference focuses on the core thematic areas such as, **ENERGY, GLASS CERAMICS, SURFACE ENGINEERING, SENSORS, FUNCTIONAL MATERIALS, and PROCESS AND MECHANICAL BEHAVIOR.**

This Conference includes keynote lectures from eminent scientists across the world and oral presentations by scientists / academicians / scholars / students on various aspects in materials science and technology. The iCAM-2022 invites abstracts and full-length manuscripts in the above thematic areas for oral presentations and publications in SCI indexed peer-reviewed Journals.

01

ENERGY

- ❑ Solar Photovoltaics and Solar Thermal
- ❑ Batteries and Supercapacitors
- ❑ Photocatalysis and Electrocatalysis
- ❑ Solid Oxide Fuel Cells
- ❑ Thermoelectric
- ❑ Biofuels

02

GLASS-CERAMICS

- ❑ Transparent glass-ceramics
- ❑ Glass-ceramic compositions
- ❑ Applications of glass-ceramics
- ❑ Dental glass-ceramics
- ❑ Bioactive glass-ceramics
- ❑ Glass crystallization

03

SURFACE ENGINEERING

- ❑ Coatings and Thin Films
- ❑ Corrosion and Erosion
- ❑ Thermal Barrier Coatings
- ❑ Optical Coatings
- ❑ Laser Texturing
- ❑ Laser Modification

04

SENSORS

- ❑ Chemo sensors
- ❑ Biosensors
- ❑ Gas Sensors
- ❑ Electrochemical Sensors
- ❑ Wearable Sensors
- ❑ Piezo Sensors

05

FUNCTIONAL MATERIALS

- ❑ Crystal Growth
- ❑ Nanocomposites
- ❑ Carbon-Carbon Composites
- ❑ Shape Memory Alloys
- ❑ Magnetic Materials
- ❑ Biomaterials
- ❑ Ceramics and Polymers
- ❑ Photo/Electrochromic

06

PROCESS AND MECHANICAL BEHAVIOR

- ❑ Metal, Alloys and Superalloys
- ❑ Welding and Joining
- ❑ Additive Manufacturing/3D printing
- ❑ Tribology of Materials
- ❑ Coatings Tribology
- ❑ Bio- and Tribo-Corrosion
- ❑ Bio tribology
- ❑ Nanomechanical Properties
- ❑ Implants and Coatings

KEYNOTE



Prof. R. JAYAVEL

Dean, ACTECH, Professor, Crystal Growth Centre, Anna University, Chennai, India.



Dr. M. VASUDEVAN

Associate Director, Metallurgy and Materials Group, IGCAR, Kalpakkam, India.



Dr. VENKATARAMAN JAYARAMAN

Associate Director, Materials Chemistry & Metal Fuel Cycle Group, IGCAR, Kalpakkam, India.



Prof. DUSAN GALUSEK

Director, Funglass-Alexander Dubček University of Trenčín, Slovakia.



Dr. AMIRHOSSEIN PAKSERESHT

Associate Professor, Alexander Dubček University of Trenčín, Slovakia.



Dr. MANU JAISWAL

Associate Professor, Graphene & 2D Systems Research Laboratory, IIT Chennai, India.

INVITED LECTURES



Prof. MANGALARAJA RAMALINGA VISWANATHAN

Faculty of Engineering and Sciences, Universidad Adolfo Ibáñez, Santiago, Chile.



Dr. P. SARAVANAN

Scientist 'F', Advanced Magnetics Group, DMRL, Hyderabad, India.

HIGHLIGHTS

KEYNOTE LECTURES

INVITED LECTURES

ORAL PRESENTATIONS

POSTER PRESENTATIONS

PUBLICATIONS

BEST PAPER AWARDS

YOUNG RESEARCHER AWARD

TECHNICAL DISCUSSIONS

LAB VISIT

COLLABORATIONS

SPONSOR SESSIONS

PATRONS

Dr. MARIAZEENA JOHNSON, Chancellor

Dr. MARIE JOHNSON, President

Ms. MARIA BERNADETTE TAMILARASI, Vice President

Mr. J. ARUL SELVAN, Vice President

Ms. MARIA CATHERINE JAYAPRIYA, Vice President

Dr. T. SASIPRABA, Vice Chancellor

ORGANISING CHAIR

Dr. P. KUPPUSAMI, Senior Scientist

CONVENERS

Dr. T. S. SHYJU, Scientist-D

Dr. D. DINESH KUMAR, Scientist-D

Prof. DUSAN GALUSEK, Director, TnUAD

Dr. A. H. PAKSERESHT, Associate Professor, TnUAD

CO-CONVENERS

Dr. G. MURUGADOSS, Scientist-E

Dr. SUBHENJIT HAZRA, Scientist-C

Dr. A.M.KAMALAN KIRUBAHARAN, Researcher, TnUAD

ORGANIZING COMMITTEE

Dr. VINITA VISHWAKARMA, Scientist-F, SIST

Dr. J. BRIJITTA, Scientist-E, SIST

Dr. K. GOBI SARAVANAN, Scientist-D, SIST

Dr. D. RAMACHANDRAN, Scientist-C, SIST

Mr. K. VISWANATHAN, Scientist-C, SIST

Dr. S. MANJUNATH, Scientist-C, SIST

Dr. SONY VARGHEESE, Scientist-C, SIST

Dr. GOPIKA, Scientist-C, SIST

Dr. P. VENGATESH, Scientist-C, SIST

Dr. S. AJITH KUMAR, Scientist-C, SIST

Dr. ANDRESSA TRENTIN, Researcher, TnUAD

Dr. DMID SHARIFAHMADIAN, Researcher, TnUAD

Dr. ASHOKRAJA CHANDRASEKAR, Researcher, TnUAD

Dr. ARIHARAN SUYAMBULINGAM, Researcher, TnUAD

CALL FOR PAPERS

Interested authors are requested to submit a one page abstract of their original and unpublished research work in the prescribed format on or before **October 5, 2022** via email through icam@sathyabama.ac.in.

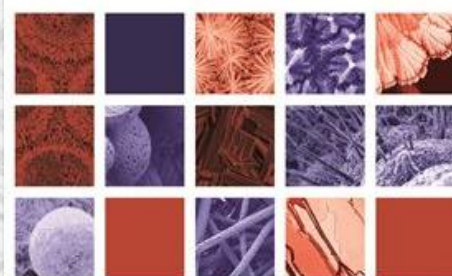
Acceptance of peer-reviewed abstracts will be intimated through email.

Submission Open:
November 11, 2022



ELSEVIER
Scopus

materialstoday:
PROCEEDINGS



BASED ON THE QUALITY, THE CONFERENCE PAPERS WILL BE PUBLISHED IN THE SCI INDEXED PEER-REVIEWED JOURNALS

SPECIAL ISSUES

Interested authors may submit the full-length research articles to any one of the following **"SPECIAL ISSUES"** published by **MDPI Journals (Ceramics, and Coatings)**.



ceramics
an Open Access Journal by MDPI





Ceramic Coatings for High - Temperature Applications

Guest Editors
Dr. Amirhossein Pakseresht, Dr. A. M. Kamalan Kirubakaran


Deadline
30 December 2022

Special Issue
mdpi.com/si/124734 Invitation to submit



Deadline: December 30, 2022

https://www.mdpi.com/journal/coatings/special_issues/coat_high_temp_appl





coatings
an Open Access Journal by MDPI

Ceramic Materials and Coatings: From Materials to Applications

Guest Editors
Prof. Dr. Dušan Galusek, Dr. Omid Sharifahmadian, Dr. A. M. Kamalan Kirubakaran

Deadline
20 March 2023

Special Issue
mdpi.com/si/126068 Invitation to submit

Deadline: March 20, 2023

https://www.mdpi.com/journal/coatings/special_issues/cera_mat_coat

IMPORTANT DATES



Scan for Registration

Abstract Submission : October 05, 2022
Intimation of Acceptance : October 14, 2022
Submission of Full Paper : October 24, 2022
Early Bird Registration : October 20, 2022
Last Date for Registration: October 25, 2022

DELEGATE FEE

Category	October 20, 2022	After October 20, 2022
Indian Delegate - Students/Scholars	INR 700	INR 850
Staff/Scientist/Faculties	INR 1000	INR 1250
Staff/Scientist from Industry/Private Company	INR 2500	INR 3000
Participation only /Accompany	INR 500	INR 600
Foreign Delegate	USD 125	USD 140
Foreign Participants only /Accompany	USD 75	USD 80

***Note:** Additional charges applicable for publishing full-length article as per the journal’s norms.

MODE OF PAYMENT

Registration fee is accepted through online transfer favoring

Account Name	Dean (Publications & Conferences), Sathyabama Institute of Science and Technology (Deemed to be University)
Account Number	891734627
IFSC CODE	IDIB000T020
SWIFT CODE	IDIBINBBTLT
BRANCH CODE	098
Bank, Branch & Address	Indian Bank, Thousand Lights Branch, Chennai - 600 006, India

“Special Discount on Registration Fees will be Applicable for Our iCAM2020 Participants”

ADVISORY COMMITTEE

Dr. R. RAMASESHAN, Scientific Officer –G, Materials Science Group, IGCAR, Kalpakkam, India.

Dr. NABARUN BHATTACHARYYA, Senior Director & Centre Head, CDAC, Kolkata, India.

Prof. PAUL MILLNER, Professor, University of Leeds, UK.

Prof. YEN-PEI FU, Professor, National Dong Hwa University, Taiwan.

Prof. R. BALAKUMAR, Director, Centre for Nanoscience and Nanotechnology, Madras University, India.

Prof. K. SANKARANARAYANAN, Department of Physics, Alagappa University, Karaikudi.

Prof. S. KALAISELVAM, Head, Department of Applied Science and technology, Anna University, Chennai.

Prof. S. MOORTHY BABU, Director, Crystal Growth Centre, Anna University.

Prof. G. KALPANA, Professor & Head, Department of Physics, Anna University, Chennai.

Prof. JEAN-FRANCOIS PIERSON, Professor, Institute Jean Lamour, Nancy, Lorraine, France.

Prof. M. PAULRAJ, Professor, University of Concepcion, Chile.

Prof. NIRANJAN KUMAR, Professor, Institute for Physics of Microstructures RAS, Russia.

Prof. M. ARIVANANDHAN, Professor, Centre for Nanoscience and Technology, Anna University, Chennai.

Prof. ANIMESH PRAMANIK, Professor, University of Calcutta, Kolkata.

Prof. K. JEYASUBRAMANIAN, Head, Department of Chemistry, Mepco Schlenk Engineering College, Sivakasi, India.

Dr. B. SUBRAMANIAN, Senior Principal Scientist & Head, Electroplating & Metal Finishing Division, CECRI, Karaikudi.

Dr. N. VIJAYAN, Principal Scientist, CSIR-National Physical Laboratory, India.

Dr. P. RAMKUMAR, Associate Professor, Department of Mechanical Engineering, IIT Madras, Chennai, India.

Prof. S. HARIKRISHNAN, Head, Department of Mechanical Engineering, Kings Engineering College, Chennai, India.

Dr. K. SETHURAMAN, Associate Professor, Department of Materials Science, Central University of Tamil Nadu.

Dr. T. KANAGASEKARAN, Assistant Professor, Department of Physics, IISER Tirupati, India.

Dr. P. SRINIVASAN, Assistant Professor, Department of Physics, National Institute of Technology, Silchar, India.

Dr. P. SUDHAKARA, Senior Scientist, CSIR-CLRI, Regional Centre, Punjab, India.

Dr. P. ANANDHAN, Assistant Professor, Department of Physics, Alagappa University, Karaikudi, India.

Dr. P. KARTHIK KRISHNAN, Assistant Professor (AcSIR), CMP Division, CSIR-CECRI, Karaikudi, India.

Dr. T. S. SHABI, Scientist, CSIR-Advanced Materials and Processes Research Institute (AMPRI), Bhopal, India.

Dr. M. BALAJI, Assistant Professor, Madras University, Chennai, India.

Dr. E. KUMAR, Assistant Professor, Department of Physics, Tamil Nadu Open University, Chennai, India.



+91-9345304239
+91-9941655429



www.icamsist.com
www.sathyabama.ac.in



icam@sathyabama.ac.in
webinarsist@gmail.com