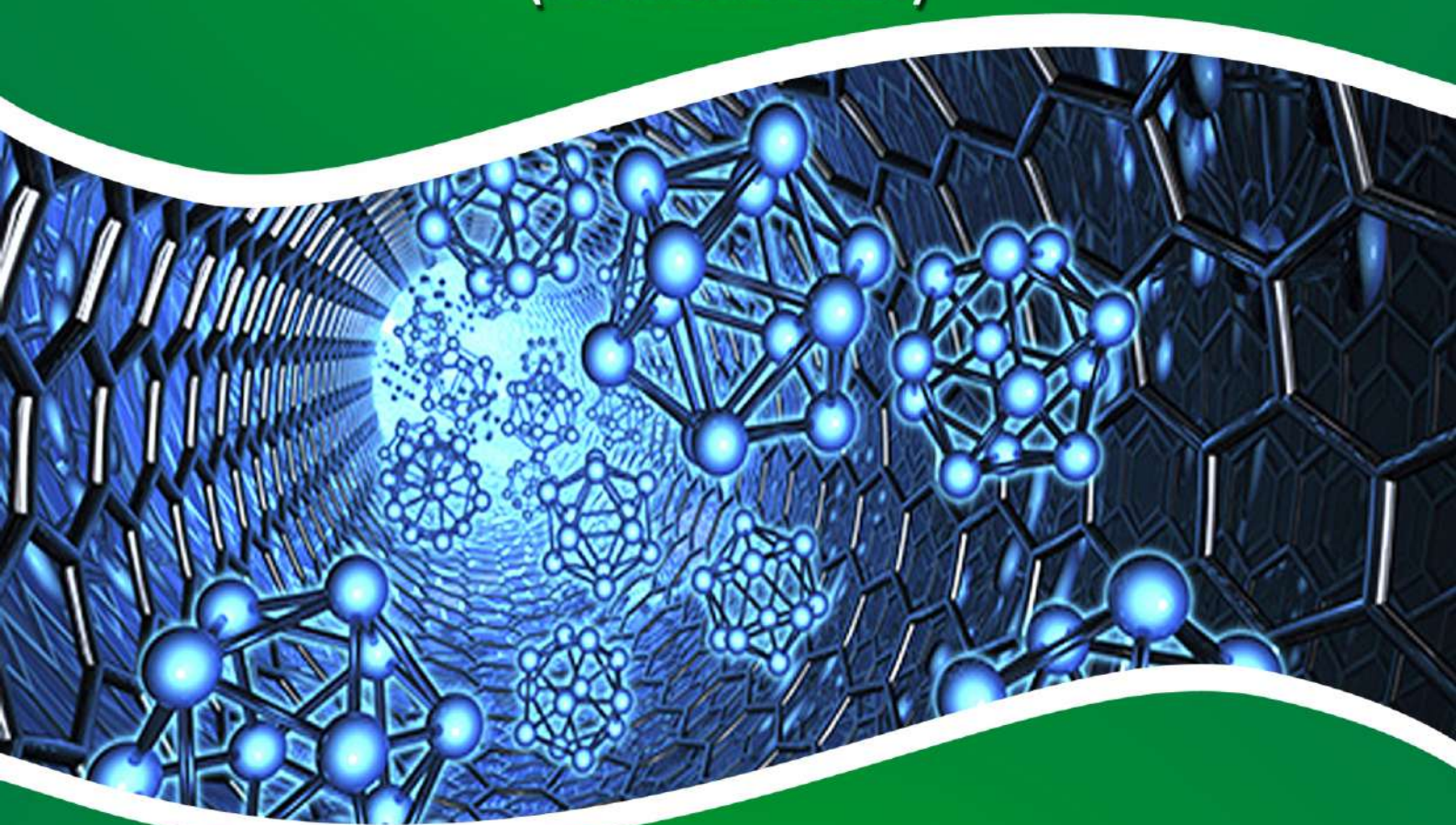


Jointly Organised by



**Arunai International Research Foundation ,  
Universiti Tun Hussein Onn Malaysia, Malaysia  
&  
PG & Research Department of Chemistry,  
Jamal Mohamed College, Tiruchirappalli.**

**International Conference on Advances  
in Material Sciences & Manufacturing Technology  
(ICAMSMT-2021)**



Dates : 27<sup>th</sup> & 28<sup>th</sup> March 2021

Mode : Online (Platform-Zoom)



## About Jamal Mohamed College

Jamal Mohamed College, was founded in 1951, an autonomous institution, affiliated to the Bharathidasan University, Tiruchirappalli. The college is administered by the Society of Jamal Mohamed College, is established in a sprawling land area of 87 acres, as a religious minority institution, with the primary objective of providing higher education to the downtrodden and socially backward sections of the society in general and Muslim minority in particular. The college is Re-accredited (3rd Cycle) with 'A' grade by NAAC. The college has been identified as the "College with Potential for Excellence" by the UGC.

## About Arunai International Research Foundation

Arunai International Research Foundation was founded in February 25th , 2016 - Licensed under Section 8 of Companies Act, 2013, Ministry of Corporate Affairs, Government of India. It is constituted to spread and emphasise the cause of multidisciplinary research subjects in international scenario. Arunai International Research Foundation, Tiruvannamalai, Tamil Nadu, India founded by Mrs. Ekambaram Radha and Dr.Kasi Kamalakannan, the Directors are actively involving in promoting the realm of research.

## Objective of the Conference

The main objective of this International Conference is to bring together Senior and Young Researchers working in the area of Applied Material Sciences and allied areas to exchange new schemes and to discuss current challenging issues.

## Organising Committee

### Chief Patrons

**Mrs. E.Radha** Founder Chairman, Arunai International Research Foundation, Tiruvannamalai

### Conference Chairman

**Prof. Dr. Hashim Saim**, Dean, Faculty of Applied Sciences and Technology,  
Universiti Tun Hussein Onn Malaysia, Malaysia

### Conference Director

**Dr.M.Mohamed Sihabudeen**, Associate Professor & Head, PG & Research,  
Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli

### Organising Secretary

**Dr. Kasi Kamalakannan**, CEO, Arunai International Research Foundation, Tiruvannamalai.

**Dr. Fahmiruddin Bin Esa**, Head, Department of Physics and Chemistry, Faculty of Applied Sciences  
and Technology, Universiti Tun Hussein Onn Malaysia, Malaysia

### Organising Committee Members

Post-Graduate & Research, Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli

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**Dr.A.Jafar Ahamed**, Associate Professor

**Dr.M.Syed Ali Padusha**, Associate Professor

**Dr.A.Jamal Abdul Nasser**, Associate Professor

**Dr.A.Zahir Hussain**, Assistant Professor

**Dr.J.Sirajudeen**, Assistant Professor

**Dr.K.Loganathan**, Assistant Professor

**Dr.M.Anwar Sathiq**, Assistant Professor

**Dr.M.Purusothan**, Assistant Professor

**Dr.K.Riaz Ahamed**, Assistant Professor

**Dr.S.K.Periyasamy**, Assistant Professor

**Dr.J.Muneer Ahamath**, Assistant Professor

**Dr.R.Abdul Vahith**, Assistant Professor

**Dr.S.S.Syed Abuthahir**, Assistant Professor

**Dr.M.Yaseen Mowlana**, Assistant Professor

**Dr.S.Farook Basha**, Assistant Professor

Faculty of Applied Sciences and Technology, Universiti Tun Hussein Onn Malaysia, Malaysia

**Dr. Nurun Najwa Binti Ruslan**, Head of Chemistry Panel

**Prof. Ts. Dr. Noor Azura binti Awang**, Head of Physics Panel



## Keynote Speakers



**Dr. Murali Mohan Yallapu**  
Associate Professor (Tenured)  
Department of Immunology and Microbiology  
School of Medicine  
University of Texas Rio Grande Valley  
McAllen, USA



**Dr. K. Sivakumar**  
Professor & Head  
Department of Chemistry  
SCSVMV, Deemed to be University  
Kanchipuram, Tamilnadu



**Dr. Mohd Arif Bin Agam**  
Associate Professor  
Department of Physics and Chemistry  
Faculty of Applied Sciences and Technology  
Universiti Tun Hussein Onn Malaysia  
Malaysia



**Prof. Dr. Mohamed Hasan El-Newehy**  
Professor  
Department of Chemistry  
College of Science  
King Saud University  
Riyadh, Kingdom of Saudi Arabia



**Dr. H. Manikandan**  
Associate Professor  
Department of Chemistry  
Annamalai University  
Annamalainagar



**Dr. Faridah Abu Bakar**  
Associate Professor  
Department of Physics and Chemistry  
Faculty of Applied Sciences and Technology  
Universiti Tun Hussein Onn Malaysia  
Malaysia



**Dr. I. Gusti Ketut Puja**  
Associate Professor  
Department of Mechanical Engineering  
Faculty of Science and Technology  
Sanata Dharma University  
Yogyakarta, Indonesia



**Dr. S. Beer Mohamed**  
Associate Professor  
Department of Materials Science  
School of Technology  
Central University of Tamil Nadu  
Thiruvavur

## Guest Editors

**Prof. Dr. Techn. S.S.S. Murthy Chavali**  
Professor & Director  
Department of Chemistry  
S.V.R. Memorial College  
Nagaram, Andhra Pradesh

**Dr. Anjanapura V. Raghu**  
Professor  
Department of Chemistry, FET  
Jain Deemed-to-be University  
Bangalore

**Dr. Hatijah Basri**  
Associate Professor  
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Faculty of Sciences and Technology  
Universiti Tun Hussein Onn Malaysia  
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**Dr. M. Syed Ali Padusha**  
Associate Professor  
PG & Research, Department of Chemistry,  
Jamal Mohamed College (Autonomous)  
Tiruchirappalli

**Dr. G. Rajarajan**  
Associate Professor  
Department of Chemistry  
Annamalai University  
Annamalai Nagar

**Dr. M. Seenivasan**  
Associate Professor and Coordinator  
Department of Mathematics-DDE  
Annamalai University  
Annamalainagar

## Call for Papers

Original research papers are invited from academicians, research scholars and industrialists in the following areas (but not limited to):

Biomaterials  
Biomedical Manufacturing  
Chemistry and Fundamental Properties of Matter  
Composite Materials  
Computational Materials  
Consideration of Materials in Structural Design and Modelling  
Casting and Solidification  
Ceramics and Glasses  
Coatings and Surface Engineering  
Computer-Aided Design  
Manufacturing and Engineering  
Environmentally Sustainable Manufacturing Processes  
Green and Renewable Materials  
Laser Based Manufacturing  
Machining  
Magnetic  
Electrical  
Thermal and Optical Properties of Materials  
Mathematical Chemistry  
Physical Chemistry  
Manufacturing Process Planning and Scheduling  
Material Synthesis  
Fabrication  
Manufacture and Processing  
Materials Forming  
Mechanical and Electronic Engineering Control  
Meso, Micro Manufacturing Equipment and Processes  
Metal Alloys  
Materials Behaviour  
Nanomaterials and Nonmanufacturing  
Nanofabrication  
Nanometrology and Applications  
Polymers  
Powder Metallurgy and Ceramic Forming  
Precision Molding Processes  
Semiconductor Materials  
Strength, Durability and Mechanical behaviour of Materials  
Surface, Subsurface and Interface Phenomena Biomaterials  
Bio Chemistry

## Conference Online Platform

The Conference will be held on Zoom platform and the link with meeting ID & Password will be communicated to the registered participants, via e-mail.

E-Certificate will be given to all the registered participants.



### Submissions Guidelines

Authors willing to present their research work can Submit their full length Paper in LaTeX format electronically (not more 10 pages) via e-mail to [directorairf1@gmail.com](mailto:directorairf1@gmail.com) on or before 5th March 2021.

### Paper Publication

Authors will be informed about the acceptance of their paper based on the recommendation of the review committee. The short listed research papers will be published in the Peer reviewed following Conference Series, subject to the fulfilment of all conditions and formalities.

### Best Paper Award

On the basis of quality of the research paper, Authors and delegates whose papers are shortlisted for Best Paper Award will be given a certificate and an award. Decision will be with the jury consisting of eminent expert and it will be final.

**IOP** Conference Series: Materials Science and Engineering. **IOP** Publishing

### Important Dates

Last Date for Submission of full Paper : 5<sup>th</sup> March 2021

Notification of Acceptance : 10 days after Submission

Registration Deadline : 5<sup>th</sup> March 2021

Conference Date : 27/03/2021 & 28/03/2021

E-mail to which the paper should be sent : [directorairf1@gmail.com](mailto:directorairf1@gmail.com)

### Registration Fees

For Indian Students / Research Scholars: 7500 INR

For Indian Academicians: 8000 INR

For International Students / Research Scholars : 200 USD

For International Academicians : 250 USD

Registration fee is included with publication fee of the paper in IOP: Materials Science and Engineering.

### Payment Mode

RTGS/NEFT/DD/Multicity check is to be made in favour of

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