



B.S. Abdur Rahman™

# Crescent

Institute of Science & Technology

Deemed to be University u/s 3 of the UGC Act, 1956



nirf

2023  
India: 58 | Engg: 1001+  
Mgmt: 101-125  
Univ: 151-200

THE  
IMPACT  
RANKINGS

SDG 4: 37 | SDG 6: 29  
SDG 7: 13 | SDG 17: 101-200  
Overall: 101-300



QS WORLD UNIVERSITY RANKINGS  
QS Asia University Ranking 2024:  
Asia: 80+  
Southern Asia: 258



Diamond

## International Conference on Smart Materials for Green Energy & Environmental Sustainability (SMaGEES – 2024)

11<sup>th</sup> & 12<sup>th</sup> December 2024

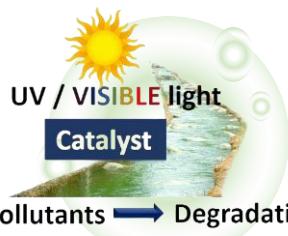
### Call for Papers

PHOTOVOLTAICS

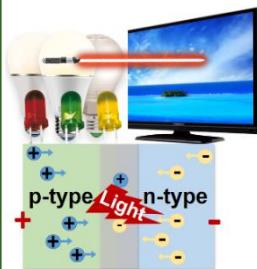


MATERIALS SCIENCE

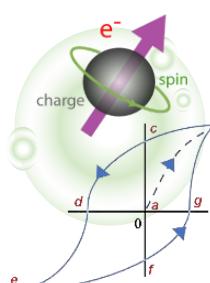
PHOTOCATALYSIS



SEMICONDUCTORS



OPTOELECTRONICS  
SENSORS

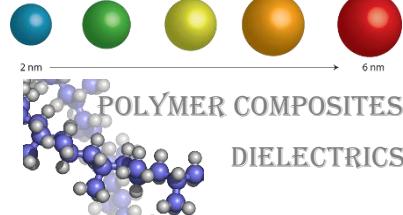


MAGNETIC MATERIALS

MEMORY STORAGE

MULTIFERROICS

QUANTUM DOTS



POLYMER COMPOSITES

DIELECTRICS



Organized by

**School of Physical and Chemical Sciences**

B.S. Abdur Rahman Crescent Institute of  
Science and Technology, Chennai-600048  
Tamil Nadu, India.

<https://crescent.education/>



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Engg: 101-160  
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Univ: 151-200THE  
IMPACT  
RANKINGSSDG 4: 37 | SDG 6: 29  
SDG 7: 13 | SDG 17: 101-200  
Overall: 101-300India: 58 | Engg: 1001+  
Asia: 501-600  
Overall: 1201-1500

QS WORLD UNIVERSITY RANKINGS

QS Asia University  
Ranking 2024:  
Asia: 801+  
Southern Asia: 258

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## International Conference on

# Smart Materials for Green Energy & Environmental Sustainability (SMaGEES – 2024)

**11<sup>th</sup> & 12<sup>th</sup> December 2024**

### About the Institute

B.S. Abdur Rahman Crescent Institute of Science and Technology (BSACIST) is a 40 year old renowned quality leadership Higher Education Institution located at the greenest spot of Chennai near Tambaram. In addition to various academic programmes, the Institute offers a wide range of research opportunities through **12 schools** and **23 departments** with promising quality and recognized with the **h-index 84** and overall **citations 43000+**. The Institute encourages both fundamental and application oriented research in thrust areas for the benefit of our country and society.

#### CHIEF PATRONS

**Mr. BSA Arif Buhary Rahman**

*President*

**Mrs.Qurrath Jameela**

*Chancellor*

**Mr. Abdul Qadir Abdul Rahman**

*Buhari*

*Pro-Chancellor*

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**Dr.T. Murugesan**

*Vice-Chancellor*

**Dr.N. Thajuddin**

*Pro-Vice Chancellor*

**Dr.N. Raja Hussain**

*Registrar*

#### CONVENERS

**Dr.I. Raja Mohamed**

*Professor & Dean (SPCS)*

**Dr.G.V. Vijayaraghavan**

*Professor & Head (Physics)*

**Dr.N. Hajara Beevi**

*Professor & Head (Chemistry)*

#### COORDINATORS

**Dr. M.Mohamed Sheik**

**Sirajuddeen**

*Associate Professor (Physics)*

**Dr.M. Asha Jhonsi**

*Associate Professor (Chemistry)*

#### About the School of Physical and Chemical Sciences

School of Physical and Chemical Sciences comprises of two departments: Department of Physics and Chemistry. All the faculty members in both the departments hold profound academic and research experience through individual and collaborative research work supported by various national and international level funded projects. The school offers **both M.Sc and PhD programmes** facilitated with high end sophisticated equipment for research in smart materials towards the energy, environment and sustainability.

#### Major research facilities available in the School

- Q Switched Nd:YAG laser
- Vacuum coating unit
- Impedance Analyzer
- PE loop tracer
- Multipurpose Lab Station
- Thermogravimetric analyzer
- High-Performance Liquid Chromatography
- Electrochemical Analyzer
- DRS UV-Visible Spectrophotometer
- FluoroMax Fluorimeter
- Photoreactor
- FT-Infrared Spectrometer
- Gas Chromatography
- LCR & Polarimeter

**Original research articles are invited for presentation in any of the following topics (but not limited to):**

- Advancement in nanoscience and nanomaterials
- Semiconductors and thin films
- Biomaterials
- Magnetic and spintronic materials
- Photovoltaic materials
- Optoelectronic materials & devices
- Polymer composites
- Multiferroics
- Materials for corrosion protection
- Waste water treatment
- Photocatalysis
- Dielectric materials
- Quantum dots & applications
- Computational materials science
- Sensors
- Hydrogen and fuel Cells
- Energy storage materials
- Catalytic functionalization

#### Registration fees

Students (U.G / P.G)	Rs. 1000/-
Research scholars	Rs. 1500/-
Faculty members / Scientists	Rs. 2000/-
Industry Participants	Rs. 3000/-
Delegates Outside India	USD 40

#### Note:

- Registration fees includes Conference kit, lunch and refreshments.
- Accommodation will be arranged on additional payment with prior request.



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## International Conference on

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## International Advisory Committee

Prof. Udo Schwingenschlögl, *KAUST, Saudi Arabia.*  
 Prof. Chung-Li Dong, *Tamkang University, Taiwan*  
 Prof. Muthupandian Ashokkumar, *University of Melbourne, Australia.*  
 Prof. Detlef Bahnemann, *Leibniz Universität Hannover, Germany.*  
 Prof. Mohamad Hafiz Mamat, *Universiti Teknologi MARA, Malaysia.*  
 Prof. Mohamed Henini, *University of Nottingham, United Kingdom.*  
 Dr. J.M. Huijser, *University of Twente, The Netherlands*  
 Dr. Veerappan Mani, *University of Strathclyde, United Kingdom*

## National Advisory Committee

Prof. P. Ramasamy, *SSN College of Engineering, Chennai.*  
 Prof. N. Vijayan, *National Physical Laboratory, New Delhi.*  
 Prof. B.R.K Nanda, *IIT-Madras, Chennai.*  
 Prof. R. Kothandaraman, *IIT-Madras, Chennai.*  
 Prof. Aftab Alam, *IIT-Bombay, Mumbai.*  
 Prof. Dinesh Chandra Gupta, *Jiwaji University, Gwalior.*  
 Prof. A. Chandra Bose, *NIT Trichy, Tiruchirappalli*  
 Prof. Marappan Velusamy, *North Eastern Hill University, Meghalaya.*  
 Prof. Swati De, *University of Kalyani, Nadia, West Bengal.*  
 Prof. S. Anandan, *NIT Trichy, Tiruchirappalli*  
 Prof. P. Ravindran, *Central University of Tamil Nadu, Tiruvarur.*  
 Prof. Sharat Chandra, *Homi Bhabha National Institute, Mumbai.*  
 Prof. A. Kathiravan, *Vel Tech, Chennai*  
 Dr. Sivakumar Vaidyanathan, *IIT Hyderabad, Telangana.*  
 Dr. D. Kalpana, *CSIR-CECRI, Madras Complex, Chennai.*  
 Dr. M Kathiresan, *CSIR- CECRI, Karaikudi.*  
 Dr. Srinivasan Anandan, *ARCI, Hyderabad.*  
 Dr. S. Easwaramoorthi, *CSIR CLRI, Chennai.*

## Local Advisory Committee

Dr. S. Kutti Rani, *Professor (Chemistry) & Director (PG Admissions)*  
 Dr. S. Bhagavathy, *Professor (Chemistry)*  
 Dr. S. Sathik Basha, *Professor (Physics)*  
 Dr. Revathi Purushothaman, *Professor (Chemistry)*

### Who can participate?

- Faculty Researchers, Research scholars, UG / PG Students from reputed Institutions.
- Scientists from R & D labs.
- Working Professionals from Industry.

### Proceedings & Full-length papers

- The shortlisted abstracts will be published as **conference proceedings with ISBN**.
- The selected peer-reviewed **full-length papers** will be supported for publications in Scopus / WOS indexed journals.
- Best oral and Poster** presentations will be awarded.

### Institute Organizing Committee

Dr. A. Shajahan, *Associate Professor*  
 Dr. Swapan Kumar Das, *Associate Professor*  
 Dr. J. Herbert Mabel, *Associate Professor*  
 Dr. M. Vajjiravel, *Associate Professor*  
 Dr. Noor Aman Ahrar Mundari, *Associate Professor*  
 Dr. K. Karthikeyan, *Associate Professor*  
 Dr. R. Indrajith, *Associate Professor*  
 Dr. N. Vasimalai, *Assistant Professor (Sel. Gr.)*  
 Dr. R. Amiruddin, *Assistant Professor (Sr. Gr.)*  
 Dr. M. Vijayajayanthi, *Assistant Professor (Sr. Gr.)*  
 Dr. Jasmine Annajothi Jacob, *Assistant Professor*  
 Dr. Tuhin Subhra Dash, *Assistant Professor*  
 Dr. S. Aravindhan, *Assistant Professor*  
 Dr. S. Elamathi, *Assistant Professor*  
 Dr. D. Sivasankaran, *Assistant Professor*  
 Dr. E.A.K. Nivethaa, *Assistant Professor*  
 Dr. M. Lakshmi Priya, *Assistant Professor*  
 Dr. J. Sivasankari, *Assistant Professor*  
 Dr. T. Kamalesh, *Assistant Professor*  
 Dr. K. Vinisha Rani, *Assistant Professor*  
 Dr. R. Rizwana, *Assistant Professor*  
 Dr. T. Anusuya, *Assistant Professor*

### Submit the Abstract online:

[Click Here](#)

### Contact

#### Coordinators - SMaGEES 2024

Dr. M. Mohamed Sheik Sirajudeen (+91 99402 16965)  
 Dr. M. Asha Jhonsi (+91 94437 76738)  
 Email: [smagees2024@crescent.education](mailto:smagees2024@crescent.education)

### Important Dates

Abstract submission	15 <sup>th</sup> Oct. 2024
Notification of acceptance	31 <sup>st</sup> Oct. 2024
Registration and Payment of Fees	15 <sup>th</sup> Nov. 2024
Full-length article submission	30 <sup>th</sup> Nov. 2024