



B.S. Abdur Rahman TM

Crescent

Institute of Science & Technology

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



TNSCST Sponsored

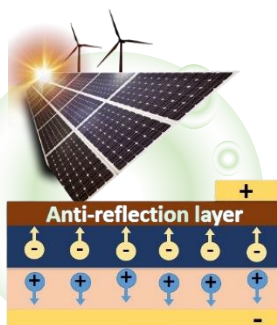
International Conference on

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

11th & 12th December 2024

Call for Papers

PHOTOVOLTAICS



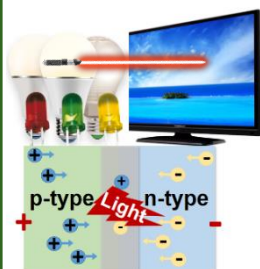
MATERIALS SCIENCE

PHOTOCATALYSIS



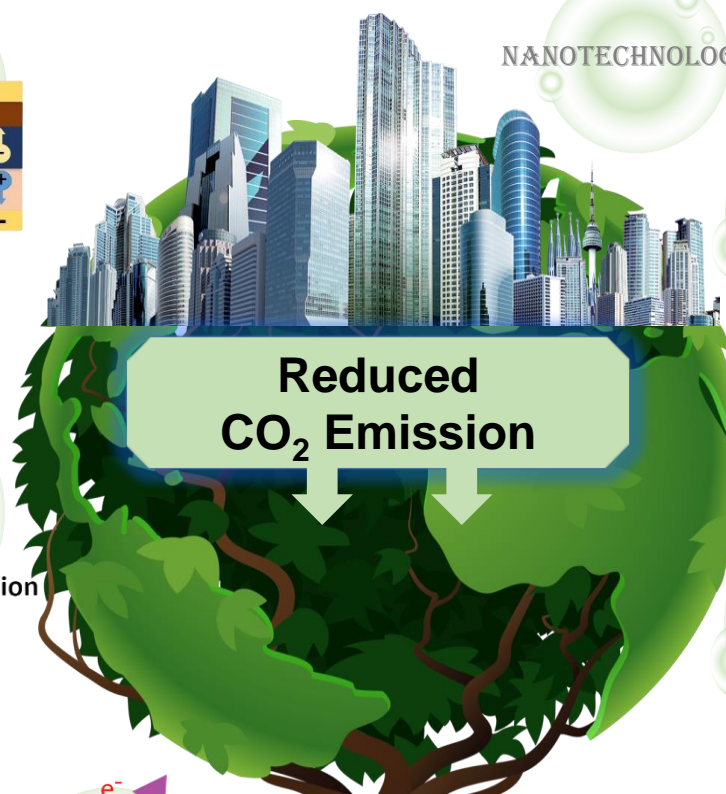
Pollutants → Degradation

SEMICONDUCTORS



OPTOELECTRONICS

SENSORS



NANOTECHNOLOGY

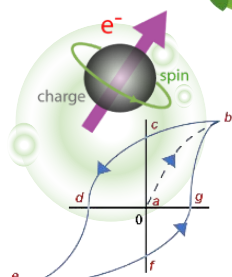
ENERGY STORAGE

SUPERCAPACITORS



BATTERIES

BIOMATERIALS



MAGNETIC MATERIALS

MEMORY STORAGE

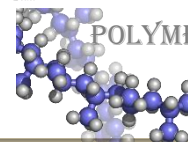
MULTIFERROICS

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/smagees2024/>

SMaGEES 2024





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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

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Buhari

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Professor & Head (Physics)

Dr. N. Hajara Beevi

Professor & Head (Chemistry)

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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.

<https://crescent.education/smagees2024/>



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International Advisory Committee

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Prof. Muthupandian Ashokkumar, University of Melbourne, Australia.
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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)
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Dr. S. Sathik Basha, Professor (Physics)
Dr. Revathi Purushothaman, Professor (Chemistry)

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Dr. K. Vinisha Rani, Assistant Professor
Dr. R Rizwana, Assistant Professor
Dr. T. Anusuya, Assistant Professor

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**.
- ✓ **Best oral and Poster** presentations will be awarded.
- ✓ The selected peer-reviewed **full-length papers** will be published in **any one** of the following conference proceedings.



AIP Conference Proceedings

materialstoday: IOP Conference Series
PROCEEDINGS Materials Science and Engineering

Important Dates

Abstract submission	20 th Nov. 2024
Notification of acceptance	30 th Nov. 2024
Registration and Payment of Fees	30 th Nov. 2024
Full-length article submission	05 th Dec. 2024

[Registration link](#)

[SMaGEES 2024](#)



Contact

Coordinators - SMaGEES 2024

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<https://crescent.education/smagees2024>



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2023
Engg: 101-150
Mgmt: 101-125
Univ: 151-200



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

World University Rankings
India: 58 | Engg: 100+
Asia: 501-600
Overall: 1201-1500



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

40 YEARS OF ACADEMIC EXCELLENCE



Diamond

School of Physical and Chemical Sciences

Department of Physics

Department of Chemistry



❑ **Programmes offered :** M.Sc (Physics) & Ph.D.

❑ Faculty members with Ph.D. degree and Post-doctoral experience

Research status (as on August 2024)

❑ Research Publications : 590+
❑ h-index : 50
❑ Citations : 10,200+
❑ Funded Research Projects : 157.90 lakhs

❑ **Programmes offered :** M.Sc (Chemistry) & Ph.D.

❑ Faculty members with Ph.D. degree and Post-doctoral / Industrial experience

Research status (as on August 2024)

❑ Research Publications : 400+
❑ h-index : 32
❑ Citations : 4600+
❑ Funded Research Projects : 290.12 lakhs



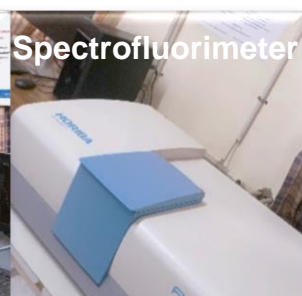
Nd:YAG laser



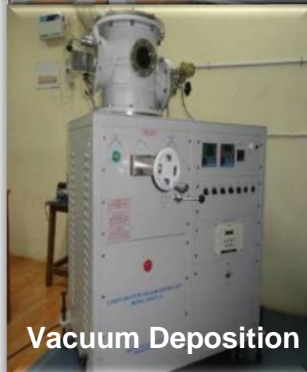
TGA Analyzer



HPLC



Spectrofluorimeter



Vacuum Deposition



Dielectric Set up



PE Loop tracer



Gas Chromatography



FTIR Spectrometer