

PROGRAMME SCHEDULE

10.00 - 10.30 am : Registration
10.30 - 11.00 am : Inauguration
11.00 - 12.00 noon

Technical Session - I Nanomaterials and their Applications

Dr. R. SIDDHESWARAN

Assistant Professor
Post-Graduate & Research
Department of Physics
Pachaiyappas College
Chennai - 600 030.

12.00 - 12.15 pm : Tea Time
12.15 - 1.10 pm

Paper Presentation I

1.10 - 2.00 pm : Lunch Time
2.00 - 3.00 pm

Technical Session - II Growth and Characterization of Technological Important Crystals

Dr. N. KARUNAGARAN

Assistant Professor of Physics
SRM Institute of Science & Technology
Ramapuram Campus
Chennai - 600 089.

3.00 - 3.30 pm

Paper Presentation II

3.30 - 3.45 pm : Tea Time
3.45 - 4.00 pm : Valediction

**C. ABDUL HAKEEM COLLEGE
(AUTONOMOUS)
MELVISHARAM - 632 509**



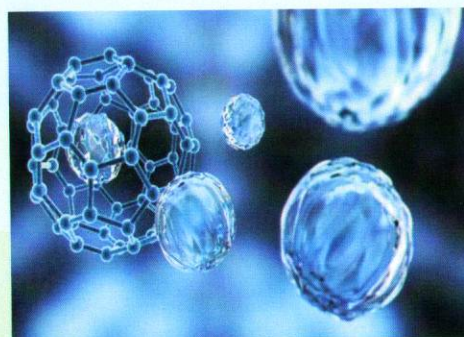
The Management, Principal,
Staff and Students of the

DEPARTMENT OF PHYSICS

Cordially invite you to the
State level Seminar on

PHYSICS AT NANODIMENSION

30th September 2019
(Monday)



All Are Welcome

ABOUT THE COLLEGE

The Melvisharam Muslim Educational Society (MMES) was established in 1919. Late Nawab C. Abdul Hakeem sahib, a leading business magnate, philanthropist and nationalist of fame, was its founder president. The society has gradually progressed across these ten decades. To start with, there was only a primary school under this society. At present, it manages 11 institutions from the nursery level to college of art & science, Engineering and Architecture. The college was instituted in the year 1965 with just Pre-University course, in the local orphanage building. Subsequently the M.M.E.S acquired a site of more than 67 acres, on the eastern outskirts of the town, on the Chennai-Bangalore National highway. The college was initially affiliated to Madras University and now to Thiruvalluvar University, Vellore. The college has been awarded Autonomous status since 2014. At present, the college offers instructions in 31 courses at under-graduates level and in 6 courses at post-graduates level, apart from facilities for research leading to the awards of Ph.D.

ABOUT THE DEPARTMENT

The Department of Physics was established for Pre-University & Allied Physics Courses in the year 1965. UG (B.Sc.) program in Physics was started in the year 1982 and conducted UG program (B.E.S) also in Electronic Science (Self-finance stream) from 1996 to 2008 and has conducted PG program in Physics (Self-finance stream) from 2008 to 2013. The Department was well steward by Prof G. Santhanam, Prof. M.N.Srinivasan, Prof. M. Nihal Ahmed (Former Principal) and Prof. A. M. Akbar Ali Khan from inception. It is presently headed by Dr. A. Mohamed Ali. It is a department with an enviable reputation for its infrastructure and faculty strength.

FOCUS ON THE SEMINAR

Nanotechnology appears as one of the most promising fields of science and technology. The improvements and modifications of these new nano scale materials' properties can appear disruptive and strongly challenges the existing products and technologies. In most cases nanotechnology will bring beneficial effects in our lives (medicine, environment, electronics...). Nanotechnology therefore appears as strategic and a key of success in the globalized economy. However the fast development of nanomaterials and the estimated production for next years has triggered many debates concerning their safe development and use. To reach the forecasted level of economical development, the public acceptance of nanotechnology is essential not only in terms of human health and safety but also concerning the environmental impact. Also Nanotechnology faces a big challenge that requires to develop a new paradigm in the concepts of design and production of nanomaterials. The seminar includes invited lectures from the experts in the field of nanomaterials and their applications and presentation of papers by the students.

THEMES

During the seminar attention will be focused on the following important topics on which papers are invited for presentation from UG, PG and M.Phil., students.

- Magnetic nanoparticles for Biomedical applications
- Polymeric Nanoparticles
- Nanomaterials for Dye-sensitized Solar Cells

CALL FOR PRESENTATION

Those who intend to present papers should enroll their name on or before **30th September 2019**. Multimedia facility will be provided for the oral presentation (10 minutes).

CERTIFICATES

Award will be given to two best paper presentations. Certificates will be issued to all registered participants.

REGISTRATION

Participant : Rs 150/- (Spot Registration)

PATRON

Janab S.Z. Abrar Ahmed
Secretary and Correspondent

CHAIRMAN

Dr. S.A. Sajid
Principal

CONVENER

Dr. A. Mohamed Ali
Associate Professor & Head of the Department

ORGANISING SECRETARY

Dr. M. Mohamed Rafi
Assistant Professor of Physics

MEMBERS

Dr. M. Peer Mohamed,
Mr. J. Fayajul Arifeen,
Dr. I. Mohamed Ikram
Dr. S. Munawar Basha

ADDRESS FOR CORRESPONDENCE

Dr. M. MOHAMED RAFI

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"The eventual goal of science is to provide a single theory that describes the whole universe"

~Stephen Hawking