

ABOUT THE INSTITUTION

B.S.Abdur Rahman Crescent University, a deemed to be University, previously acclaimed as B.S.A.Crescent Engineering College, blossomed into a premier institution for higher education and learning in the year 2009. Being an anchor institution in Chennai, it has attracted many students nationwide. The University was accredited with grade 'A' by NAAC. The University envisages to uphold excellence in its entire three dimensional focal areas namely Education, Research and Consultancy. This has created a vivacious and conducive ambience for the staff and students to pursue research, which would be beneficial to the society and humanity at large. Located in the suburb of Chennai, on a sprawling green campus with scenic beauty, the University is dedicated to educate and empower students through intensive exploration of core courses in Science, Engineering, Management and Technology. All the laboratories of the departments are well equipped with state-of-the-art equipments. Many of the UG and PG programmes have been accredited by NBA. More than 580 scholars are pursuing Ph.D / M.S /M.Phil programme in this Institution. The Quality Management System of the college conforms to the ISO standards and certified accordingly by the Det Norske Veritas (DNV), Netherland.

ABOUT THE DEPARTMENT

The Department of Physics was established in the year 1984 to impart knowledge in Physics. It has good infrastructure facilities with excellent faculty members doing research in various fields of science. Physics department offers research programme in major areas such as Laser Technology, Nonlinear Optics, Nanomaterials, Crystal Growth, Thin Film Technology, Nonlinear Dynamics and Computational Materials Science. The department offers Ph.D and M.Sc. programmes in Physics. The department is equipped with sophisticated instruments such as Nd: YAG laser, PLD, Fluorescence spectrophotometer, P-E loop tracer, Autoclave and High Temperature Furnace. Every year the department provides research fellowship to the research scholars for a period of three years.

ABOUT THE CONFERENCE

Functional Materials play an ever increasing role in our modern society which form the basis for a wide range of technologies. The functional materials cover different material classes ranging from semiconductors over polymers and molecular crystals to nanoparticles. It is their special electrical, optical and magnetic properties which make functional materials so important. The invention and development of novel functional materials for various technological applications has become the fast developing field of research in the past two decades leading to tremendous potential to fabricate new devices for wide range of applications. This conference offers a platform for the researchers to share their investigations and to enrich their knowledge about the current advanced functional materials.

TOPICS

1. Nanostructured materials
2. Metallic and inter-metallic materials
3. Ferroelectric and dielectric materials
4. Magnetic & Spintronic materials
5. Multiferroic materials
6. Semiconducting materials
7. Electronic and optoelectronic materials
8. Laser and Nonlinear optical materials
9. Crystal Growth and characterization
10. Thin films and coating
11. Surface & Composites materials
12. Ceramics and Polymeric materials
13. Energy storage materials
14. Sensor & smart materials
15. Bio & Multifunctional materials
16. Superconducting materials
17. Corrosion resistant materials
18. Modeling and simulation
19. Solar Cell materials
20. Other areas relevant to the focus of the conference

NATIONAL CONFERENCE ON RECENT TRENDS IN FUNCTIONAL MATERIALS

NOVEMBER 15 & 16 , 2017



**B.S.ABDUR RAHAMAN
CRESCENT UNIVERSITY**
B.S. ABDUR RAHAMAN CRESCENT INSTITUTE OF SCIENCE & TECHNOLOGY
(ESTABLISHED UNDER SECTION 3 OF THE UGC ACT, 1956)



Organized by

DEPARTMENT OF PHYSICS

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CALL FOR PAPERS

Participants are requested to submit their research papers to the Convener as attachment file to the e-mail address **bsacuphy@gmail.com** in MS word format. Kindly ensure that all the attachments are virus free. Otherwise, a hard copy of their research paper along with the copy of the same in CD should be sent to the Convener

GUIDELINES FOR PREPARATION OF MANUSCRIPT

- Research papers should fit to A4 paper leaving 25 mm margin on all sides.
- Times New Roman and font size 12 should be used for the text.
- Title of the paper should be bold in font size 14.
- Title and the author's name should be centered.
- Figures should be suitably reduced and placed at appropriate places.
- The full research paper should be limited to a maximum of three pages.
- The selected papers would be published in the proceedings (with ISBN), which would be released during the conference.

ORAL/POSTER PRESENTATION

Authors of poster presentation are requested to use adequate font sizes so as to read the posters from a distance of 1m.

The display area for each poster is 1x1 m. Authors of oral presentation are requested to have power point presentation.

REGISTRATION

All participants whose papers are accepted should register and pay the registration fee deadline 20.10.2017. The manuscripts of the registered participants alone will be printed in the proceedings. The participants without papers may also register on or before 10.10.2017. The details of registration fee are

1. Academicians	Rs. 1000
2. Industry	Rs. 1500
3. Students/Research Scholars	Rs. 750

Registration fee is payable in advance by Demand Draft drawn in favour of "Department of Physics, B.S. Abdul Rahman University " payable at Chennai. The DD along

with the registration form should reach the convener on or before 20.10.2017. The Brochure and the Registration form can be downloaded from the university website: www.bsauniv.ac.in. Account transfer details : Indian Overseas Bank, A/C.No.165701000008419, IFSC Code:IOBA0001657 in favour of "Department of Physics, B.S. Abdul Rahman University, Vandalur, Chennai - 48".

ACCOMMODATION

Accommodation will be provided only to the outstation participants on request in the hostels within the university campus at nominal rate. For accommodation contact Dr.S.Sathik Basha, Asso. Prof. Ph. 9444226819.

IMPORTANT DATES

Research paper submission opens	: 01.08.2017
Last date for paper submission	: 01.10.2017
Intimation of acceptance (by email)	: 10.10.2017
Last date for registration	: 20.10.2017

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