

## CALL FOR PAPERS

The organizing committee invites original research papers for Oral/Poster presentation. Author(s) are requested to submit an abstract of their work in about 300 words typed in 1.5 space in Times New Roman (Fonts) of 12 pt size with 2.5 cm margin on all sides. The abstract should carry the title of paper, authors and affiliation with email and mobile number. Name of the author presenting the paper should be underlined. Authors are requested to send their abstract by E-mail to [ncrtpm2018@gmail.com](mailto:ncrtpm2018@gmail.com). Interested participants can send their full length article which will be published in the "Science and Technological Research Journal" after peer reviewing process. Template for paper submission will be sent through mail for the participants.

A separate oral/poster session will be conducted for M.Sc., and M. Phil., students.

## IMPORTANT DATES

Submission of Abstract : 10. 01. 2018  
Acceptance of abstract Intimation : 11. 01. 2018  
Last date for Registration : 20. 01. 2018  
Submission of full length paper : 10. 02. 2018

## REGISTRATION FEE

Category	Fee details
Students/Research Scholars	: Rs.600/-
Delegates from Academic/Research Institutions	: Rs.750/-
Delegates from Industries	: Rs.1000/-

The registration fee should be sent through a crossed demand draft from any Nationalized bank drawn in favor of **CONVENER, NCRTPM - 2018**, payable at Chennai.

## ACCOMMODATION

Accommodation will be arranged only for the outstation participants on request and advance payment. Details of tariff will be provided with the acceptance of abstracts / on request.

Travel allowance will be provided for a few deserving participants.

## Prizes

Prizes will be awarded for outstanding presentations in both oral and poster.

**Contact Address :** **Dr. P. Murugakoothan**  
Convener - NCRTPM - 2018  
Associate Professor  
PG and Research Department of Physics  
Pachaiyappa's College  
Chennai – 600 030.  
Mobile : 944 444 7586  
Email: : [ncrtpm2018@gmail.com](mailto:ncrtpm2018@gmail.com)  
[murugakoothan@gmail.com](mailto:murugakoothan@gmail.com)

## Patrons

**Thiru. S. Jeyachandran**, B.Sc., B.L.,  
**Dr. V. Ramanathan**, M.Sc., M.Phil., Ph.D.,  
**Dr. R. Prabhaakaran**, M.A., M.L., M.B.A., Ph.D.,  
**Er. K. Hemanath**, B.E., M.B.A.,  
**Thiru. V. Durai Mohan**, B.Com.,

## Chairman

**Dr. S. Kaliraj**, Principal, Pachaiyappa's College, Chennai

## Vice-Chairman

**Dr. P. Arulmozhielvan**, Asso. Prof. and Head/Physics

## Convener

**Dr. P. Murugakoothan**, Associate Professor/Physics

## Treasurer

**Dr. E. Sailatha**, Associate Professor/Physics

## Organizing Committee (PG & Research Dept. of Physics)

Dr. A. R. Prabakaran	Dr. K. Ponnarasi
Dr. P. Elangovan	Dr. D. Jesuvathy Sornalatha
Dr. T. Arumanayagam	Dr. R. Siddheswaran
Dr. G. Mangalam	Dr. R. Sheela Rani
Dr. T. Sivanesan	Dr. M. Indhumathi
Dr. R. Sunitha	Mrs. S. Dhanalaksmi
Ms. P. Catherine	

## National Advisory Committee

Dr. G. Anbalagan, University of Madras	Dr. S. Narayana Kalkura, Anna University, Chennai
Dr. M. Arivanandhan, Anna University, Chennai	Dr. V. Natarajan, DRDO-RIC, IIT M Research Park
Dr. D. Arivuoli, Anna University, Chennai	Dr. D. Nedumaran, University of Madras
Dr. S. Balakumar, University of Madras	Dr. K. Pandian, University of Madras
Dr. D. Balasubramaniam, GAC, Thiruvannamalai	Dr. K. Prabha, Mother Teresa University
Dr. T. Balu, Aditanar College, Tiruchendur	Dr. D. Rajan Babu, VIT University, Vellore
Dr. K. Baskar, Vice-Chancellor, M. S. University	Dr. T. R. Rajasekar, M.S. University
Dr. G. Bhagavannarayana, RGUKT-AP	Dr. C. Ramachandra Raja, GAC, Kumbakonam
Dr. S. Binay Kumar, University of Delhi	Dr. P. Ramasamy, SSN College of Engineering
Dr. K. Dinakaran, Thiruvallur University	Dr. R. Ramesh Babu, Bharathidasan University
Dr. L. Durai, DMRL, Hyderabad	Dr. G. Ravi, Alagappa University
Dr. S. Ganesamoorthy, IGCAR, Kalpakkam	Dr. Rita John, University of Madras
Dr. S. Ganesan, Anna University, Chennai	Dr. K. Sankaranarayanan, Alagappa University
Dr. V. Ganesan, UGC-DAE, Indore	Dr. M. Sargurumoorthy, Vel Tech University
Dr. S. Gunasekaran, St. Peter's University	Dr. N. Satyanarayana, Pondicherry University
Dr. K. Gunasekaran, University of Madras	Dr. P. Selvarajan, Aditanar College, Tiruchendur
Dr. E. K. Girija, Periyar University	Dr. M. Senthil Pandian, SSN College of Engineering
Dr. R. Ilangoan, University of Madras	Dr. J. Senthil Selvan, University of Madras
Dr. K. Jagannathan, Bharathidasan University	Dr. K. Sethuraman, Madurai Kamaraj University
Dr. R. Jayavel, Anna University, Chennai	Dr. K. Srinivasan, Bharathiyar University
Dr. S. Kalainathan, VIT University, Vellore	Dr. M. Srinivasan, SSN College of Engineering
Dr. A. Karthikeyan, SRM University	Dr. L. Sudha, SRM University (Ramapuram Campus)
Dr. J. Kumar, Anna University, Chennai	Dr. B. Sundarakannan, M.S. University
Dr. M. Mahendra Khandpekar, Mumbai University	Dr. A. Thamizhavel, TIFR Mumbai
Dr. Mihir Joshi, Saurashtra University	Dr. C. Venkateswaran, University of Madras
Dr. R. Mohan Kumar, Presidency College, Chennai	Dr. N. Vijayan, NPL, New Delhi
Dr. S. Moorthy Babu, Anna University, Chennai	Dr. P. Vikraman, Gandhigram University

**PACHAIYAPPA'S COLLEGE**  
**CHENNAI - 600 030**

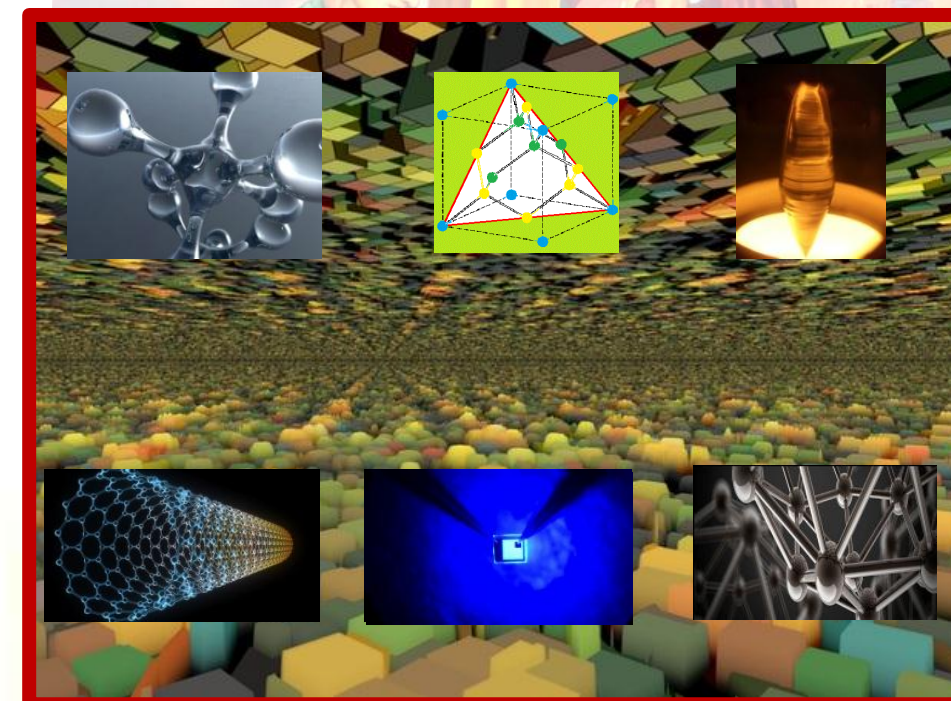


**175<sup>th</sup> YEAR OF EXCELLENCE**

**NATIONAL CONFERENCE ON  
RECENT TRENDS IN PHYSICS  
OF MATERIALS - 2018**

**NCRTPM - 2018**

**February 9 - 10, 2018**



Organized by

**PG & RESEARCH DEPARTMENT OF PHYSICS**  
**PACHAIYAPPA'S COLLEGE**  
**(Reaccredited with 'A' Grade by NAAC)**  
**CHENNAI - 600 030**

**PACHAIYAPPA'S COLLEGE**  
**CHENNAI - 600 030**

**NATIONAL CONFERENCE ON RECENT TRENDS IN PHYSICS OF MATERIALS - 2018**

**(NCRTPM - 2018)**

**February 9-10, 2018**

REGISTRATION FORM

**Name** :

**Gender** :

**Category** :  Student  Research Scholar  
:  Academician  Participant from Industry

**Designation** :

**Institution/Organization** :

**Address for Communication** :  
**(with E-mail & Mobile No.)**

**Role of Contribution (Please tick in appropriate box)**

**Presentation**  **Participation only**

**Title of the Paper** :

**Registration Fee Details** :

**D.D. No.** :

**Date** :

**Amount** :

**Bank Details** :

**Accommodation required** : YES / NO

**Date:**

**Place:** **Signature :**

**About The Department**

The department of Physics of Pachaiyappa's College, Chennai was started in the year 1939 under the headship of Prof. R. N. Selvam. He has also served as Vice-Principal in our esteemed institution. The Noble Laureate and veteran Physicist, Sir C. V. Raman has visited the Department of Physics during the period of Dr. V. P. Narayan Nambiar. The Physics Department was elevated as Post Graduate Department in the year 1979, since then it has produced so many rank holders in University of Madras. The PG Department of Physics got the approval for conducting research activities from the University of Madras in the year 1991. In the short span of time of 26 years "The PG and Research Department of Physics" has produced over 75 Ph.D., scholars and 40 students are pursuing their research work at present for their Ph.D., degree. Due to the untiring work of the staff of this department, it has contributed over 400 International Journal publications, over 200 National Journal publications and several books for the benefit of student community. The department has organized several conferences for the promotion of research activities.

**About The Conference**

The PG and Research Department of Physics has been looking for an opportunity to organize a National Conference on Recent Trends in Physics of Materials (NCRTPM). To commemorate the event of 75<sup>th</sup> year of celebrations of the department 1<sup>st</sup> edition of NCRTPM was organized in 2015. And at present to commemorate the 175<sup>th</sup> year of celebrations of this institution we have planned to organize the 2<sup>nd</sup> edition of NCRTPM in 2018. The conference aims at bringing together academicians, scientist, faculty members, research scholars and students from various universities and colleges to facilitate interaction on the concept and novel techniques implemented in Physics and Technological Materials. In this conference, several prominent researchers will deliver lectures and share their experience on the current trends and developments of Physics. The NCRTPM-2018 aims to provide an opportunity to the participants to grasp the various fields of knowledge in Physics and Materials. This conference will provide a platform for the collaboration amongst the physics researchers all over the country. Particularly the young researchers entering the field of research will be encouraged.

**Thrust Areas**

- Crystal growth and Characterizations**
- Solar Photovoltaics: Dye Sensitized Solar Cells/ Quantum dot Solar cells /Perovskite solar cells etc.,**
- Nanomaterials and Nanotechnology**
- Photonic Materials**
- Semiconductor materials**
- Scintillation Materials**
- Bio/Nonconventional energy materials**
- Solid State Ionics**
- Thin films and Applications**
- Theory, Simulation, modelling of devices**
- New, Advanced/Smart materials & Technologies**
- Spectroscopy**

**About The College**

Pachaiyappa's College is one of the Premier Educational Institutions in Tamilnadu, India, founded in the year 1842 by Pachaiyappa's Charities Trust to fulfill the vision of the foresighted Philanthropist Pachaiyappa Mudaliar. It is a landmark in the history of South Indian Educational Scenario, pursuing the noble vision and cherished desire of serving humanity through education. The College is situated in the heart of Chennai.

**Distinguished Alumni**

❖ **Mathematicians**

Srinivasa Ramanujan

❖ **Academicians**

Dr. R. Thandavan, Ex.Vice – Chancellor, University of Madras  
Dr. M. Thangaraj, Ex.Vice – Chancellor, Periyar University  
Dr. K. Baskar, Vice-Chancellor, MS University, Tirunelveli

❖ **Politicians**

C.N. Annadurai  
Kasu Brahmananda Reddy  
Murasoli Maran  
Prof. K. Anbazhagan  
Navalar Nedunchezhiyan  
E. V. K. Sampath  
C. Vijayaraghavachariar  
K. C. Reddy  
Boddepalli Rajagopala Rao

❖ **Civil & Defence services**

Mr. A. Padmanabhan, IAS  
Mrs. S. Malathi, IAS  
Mr. V. Manivannan, IAS  
Lt. Gen. R. Mohan, Former DG NCC  
Mr. P. Saravana Perumal, IPS  
Mr. P. Sekar, IPS  
Mr. C.K. Gandhirajan, IPS

❖ **Literary Figures**

Paravastu Chinnayasuri, Telugu Poet and Professor of Telugu Language  
Pammal Sambandha Mudaliar, Tamil play writer  
Mamidipudi Venkatarangayya, History writer  
Vairamuthu, Poet  
K. D. Thirunavukkarasu, Tamil scholar and Sahitya Akademi Award winner  
Tapi Dharma Rao, Telugu journalist and Sahitya Akademi Award winner

❖ **Filmmakers**

R. S. Manohar, Drama and Tamil cinema actor  
A. M. Rajah, yesteryears singer and Music Director  
D. Imman, Music Director

❖ **Others**

Robin Singh, former Indian cricketer  
Bharath Reddy, former Indian cricketer  
C. R. Rangachari, former player, Indian cricket team  
M. B. Nirmal , Environmentalist & Founder, Exnora International

