

## REGISTRATION FORM

# National Seminar on Advanced Topics in Physics (NSATP-19)

(Under UGC Autonomous Grant)

**06<sup>th</sup> March 2019 - Wednesday**

1. Name : Prof./Dr./Mr./Ms :
2. Institution :
3. Designation :
4. Gender : Male / Female
5. Address for Communication :
6. E-mail (necessary):
7. Mobile :
8. Presenting paper : Yes / No
9. Title of the paper :
10. Registration fee enclosed:  
D.D. Number and Date :  
Name and place of the Bank:

Date :

Place : Signature

### EXECUTIVE MEMBERS

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Dr.N.Peer Mohamed Sathik  
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Ms.C.Marie Quintine Sherly  
Mrs.P.Aiswarya Lakshmi

### CALL FOR ABSTRACTS

The participants are invited to submit their abstracts in MS-Word format, Times New Roman 12 pt and 1.5 line spacing. Abstract page should include title of the paper, names of authors, affiliation, key words and E-mail addresses. They should be mailed to nsatp2019@gmail.com on or before 26th February 2019. Abstract should not exceed 300 words. The size of the poster should be 90 x 120 cm.

### REGISTRATION FEES

Students and Research Scholars **Rs. 250**  
Faculty Members **Rs. 300**

Registration fee includes cost of seminar kit and refreshment. Payment for registration can be made in favour of "The Principal, Jamal Mohamed College" either by demand draft or cheque payable at Tiruchirappalli-20.

By Online

Current Ac.No. : 046702000000009  
Account Name : The Principal, Jamal Mohamed College  
IFSC Code : IOBA0000467  
Branch : IOB, JMC Branch, Trichy  
No TA/DA will be provided.

### IMPORTANT DATES

Last date for submission of abstract : **26.02.2019**  
Last date of Registration : **28.02.2019**

**FOR FURTHER DETAILS AND REGISTRATION, CONTACT**

### Dr. S. ABBAS MANTHIRI

Organizing Secretary, NSATP-19  
Assistant Professor, PG & Research Department of Physics  
Jamal Mohamed College (Autonomous)  
Tiruchirappalli-20, Tamilnadu, India.  
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# National Seminar on Advanced Topics in Physics (NSATP-19)

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Organized by

**PG & RESEARCH DEPARTMENT OF PHYSICS  
Jamal Mohamed College (Autonomous)**

**College with Potential for Excellence**

Re-accredited (3<sup>rd</sup> Cycle) with 'A' Grade by NAAC

(Affiliated to Bharathidasan University)

Tiruchirappalli - 620 020, TAMILNADU

## THE JAMAL

Jamal Mohamed College was established in 1951 as a religious minority institution with the primary objective of providing higher education to the down-trodden and socially backwards sections of the society in general and Muslim minority in particular. Hajee Janab M. Jamal Mohamed Sahib and Janab N. M. Khajamian Rowther were its founding fathers. During its inception it was affiliated to the University of Madras, Chennai and then to Bharathidasan University, Tiruchirappalli, when it was incorporated in 1982.

The college had a humble beginning offering two UG Programmes and Intermediate Courses with a student strength of 250 and 12 staff members. Over the years, the college has grown from strength to strength as a multidisciplinary institution, offering now 20 U.G., 19 P.G., 18 M.Phil. and 16 Ph.D. Programmes and a host of certificate, Diploma and Career Oriented Programmes with a student strength of about 12,000 and a total staff strength of 482 well qualified teachers.

True to the goals envisaged by its founding fathers, the college offers a holistic education preparing the students to succeed not only in their careers, but also to grow up into responsible, law abiding citizens, conscious of their commitment to the society. Its performance finds reflection in the patronage received by the college not only from the society but also by the governmental authorities from time to time. In the year 2001-02 it was awarded FIVE STAR status by the NAAC. In the year 2003-04, it was granted autonomous status by the UGC on the recommendation of the Bharathidasan University. During 2009-10 it was awarded Grade A status during the second cycle of Accreditation. In the year 2011-12 it was awarded the prestigious "College with Potential for Excellence" status by the UGC. In the year 2015-16 the college was once again awarded Grade A during the third cycle of Accreditation by the NAAC

## DEPARTMENT OF PHYSICS

Right from its inception in 1951, the Department has been doing yeoman service to the society in general and the student community in particular, imparting quality Physics education to the needy and down-trodden members of the society. The department has a band of highly qualified and dedicated faculty. The splendid efforts of the department found reflection in the award of financial assistance to the tune of Rs.28 lakhs under the DST-FIST Programme, by the Department of Science and Technology, Govt. of India for the improvement and strengthening of post-graduate programme. In addition the department has been receiving the substantial financial assistance from other central agencies like UGC, DST etc. The department has splendid infrastructural facilities, with well developed laboratories and advanced instruments such as ultrasonic liquid interferometer, spectrophotometer, thin film dip coating unit, computer facilities etc., added over the years. Taking advantage of the autonomy granted to the college, the department has been introducing innovative programs for the benefit of the students.

## ABOUT THE SEMINAR

In this changing times, it is imperative that the students, scholars and educators should update themselves with the current state of research going on in various branches of Physics. This seminar is a humble attempt by the Department of Physics to realize this lofty ideal.

## AIMS AND OBJECTIVES

- ❑ To explore the advancements made in the field Physics and allied disciplines in recent years.
- ❑ To familiarize the researchers and student community of the various techniques, processes and tools essential to have a meaningful insight of these developments.
- ❑ To bring in eminent experts in these fields to enrich the participants with their expertise and experiences in these areas. To provide a forum to young researchers and students to interact with their peers for equipping themselves for a prospective research career.

## TOPICS TO BE COVERED

- ❖ Ultrasonics and applications
- ❖ Nanomaterials.
- ❖ Non-Conventional Energy
- ❖ Nuclear Physics.
- ❖ Potential Hi-Tech devices and Bio-Medical applications.
- ❖ Spectroscopy
- ❖ Thin Films and applications
- ❖ Crystal Growth and applications
- ❖ Photonics crystals and
- ❖ Nonlinear Dynamics

## INVITED SPEAKERS

**Dr. G.Gopinath**, Registrar, Bharathidasan University, Tiruchirappalli - 620 024.

**Dr. V. Kannappan**, Professor, Dept. of Chemistry (Rtd), Presidency College, Chennai-600 005.

**Dr. R.K.Biju**, Associate Professor, Dept. of Physics, PRNSS College, Mattannur, Kannur District, Kerala.

**Dr.K.Thamilmaran**, Professor and Head, Centre for Nonlinear Dynamics, Bharathidasan University, Trichy.

## NATIONAL ADVISORY COMMITTEE

**Dr. U.Ponnambalam**, Professor (Rtd), Department of Physics, Presidency College, Chennai.

**Dr.V.Kannappan**, Professor (Rtd), Department of Chemistry, Presidency College, Chennai

**Dr.S.GunaSekaran** Dean ( R&D ) St.Peter's University of Higher Education and Research, Avadi, Chennai.

**Dr.K.Thamilmaran**, Professor and Head, Centre for Nonlinear Dynamics, Bharathidasan University, Trichy.

**Dr.V.Mani**, Head, Department of Electronics & Information Technology, Govt. of India, Hyderabad.

**Dr. V.Elangoan**, Associate Professor & Head, Kanjima Munivar Centre for Post Graduate Studies, Puducherry.

**Dr.V.Sathyanarayananmoorthi**, Associate Professor of Physics, PSG College, Coimbatore.

**Dr. D.Sastikumar**, Professor, Department of Physics, NIT, Tiruchirappalli.

**Dr.G.Manivannan**, Associate Professor of Physics, NIT, Tiruchirappalli.

**Dr.R.K.Biju**, Associate Professor of Physics, PRNSS College, Kannur, Kerala.

**Dr. Gene George**, Associate Professor, Department of Physics, T.B.M.L. College, Porayar.

**Dr.R. Ramesh Babu**, Assistant Professor, School of Physics, Bharathidasan University, Trichy.

**Dr.S.Ramalingam**, Assistant Professor of Physics, AVC College, Mayiladuthurai,

## PATRONS-MANAGEMENT COMMITTEE

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**Dr. M. Jamal Mohamed Jaffar**, Associate Professor & Head, Department of Physics

## ORGANIZING SECRETARY

**Dr.S. Abbas Manthiri**, Assistant Professor, Department of Physics

*Book-Post*

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