

## DEAR SIR / MADAM,

We take immense pleasure in inviting you to the National Level Seminar on 2<sup>nd</sup> February, 2018 to be organized by the P.G. Department of Physics, Theivanai Ammal College for Women located in a sprawling and spacious area of 10 acres on the Chennai-Trichy National Highway in Villupuram. We also request you to depute the staff members and students (UG/PG/Research Scholars) to participate in the seminar.

## E.S. S. K. EDUCATIONAL CHARITIES

E.S.S.K. Educational Charities is in the service of the people since 1983. It has establishments at Villupuram, Theivanai Ammal College for Women (Autonomous), Elumalai Polytechnic College, E.S. Matriculation Higher Secondary School, E.S Sports Academy, E.S. Hospital, E.S. College of Engineering and Technology, E.S. College of Nursing, E.S. Music Academy, E.S. College of Education (B.Ed.) and E.S. Arts and Science College (Co-Ed).

## ABOUT TACW

TACW was established in one of the most backward regions of Tamil Nadu (1989), our College provides higher education mainly to rural women. Our student strength has grown from 75 in 1989 with only 4 programmes to nearly 3000 students today with 13 UG, 11 PG, 6 M.Phil and 4 Ph.D. programmes. The college focuses on holistic development of the students with plethora of co-curricular, extracurricular, sports and games activities for the empowerment of rural women. We offer quality education on par with global standard enabled by visionary management and dedicated team of faculty. Some milestones in the 28 years of our college history are recognition by UGC under section 2(f) and 12(B) Status, conferment of fresh Autonomous status, raising of VI Battalion NCC Women Wing, NAAC re-accreditation with 'A' Grade and third cycle is now under process, ISO 9001:2008 Re-certification, recognition as Community College of Tamil Nadu open University, establishment of EDP Cell, organized DST sponsored Science Inspire Camp, TNSCST Projects for students, Farmers, Self help groups and school teachers, recognized as NPTEL Local chapter (IIT – Chennai) and Nodal Resource Centre for spoken tutorial project (IIT Bombay), Certified as “Fully Digital literate Campus” by ICT Academy and MHRD, and offering value added courses like Certificate and Diploma courses providing skill and job opportunities to the students.

## ABOUT OUR DEPARTMENT

Department of Physics came into existence in the year 2002. Department offers under graduate and post graduate programmes in Physics specially designed for a student who wishes to pursue research and Physics career. Department has well equipped laboratory with sophisticated equipments for practical courses. Department offers various in-plant training and placement. The faculties involve in various research fields which include Non-linear optics, Solid state luminescence, Molecular modelling, Environmental Radioactivity and Toxicology, and Nano Bio-Ceramics.

## ABOUT THE SEMINAR

Recent Trends in Materials Science has emerged as the most important research in our country. The aim of the seminar is to motivate the participants and share their research ideas in recent trends in materials by providing the inspiring talks from eminent Professor and Scientist. An insight into research areas and their significance becomes inevitable to the students and young staff especially in the Colleges, Universities and Research Centers. At this juncture, this seminar would create an opportunity for exposing students and faculties to the world of material science.

## PAPERS INVITED

Papers are invited in the following topics

- Nano materials
- Optical and Nonlinear optical materials
- Crystal growth
- Ionics
- Ceramics, Polymeric and Composite Materials
- Materials Characterization
- Computational Modelling and Theoretical Physics
- Structure of Organic and Inorganic Materials
- Dielectric Materials
- Nuclear Materials
- Metallic and Inter metallic Materials
- Electronics and Optoelectronic Materials
- Magnetic and semiconductor Materials
- Environment Materials
- Condensed matter
- Thin films
- Spectroscopy
- Superconducting material
- Biomaterials

## PAPER FORMAT:

**SOFT COPY:** Typed in MS Word with Times New Roman, Font size 12, typed in 1.5 line spacing and to be sent through mail (rtmsphysics2018@gmail.com). **Full paper will be published in Proceedings with ISSN Number**

## RESOURCE PERSON

**Dr. N. Vijayan**

Senior Scientist

Crystal Growth and X-Ray Analysis Section

CSIR – National Physical Laboratory

New Delhi.

## PROGRAMME SCHEDULE

Registration	: 09.00 a.m. to 09.30 a.m.
Inaugural Session	: 09.30 a.m. to 10.00 a.m.
<b>Technical Session I</b>	<b>: Crystal Growth and Techniques</b> 10.00 a.m. to 11.00 a.m.
Tea Break	: 11.00 a.m. to 11.15 a.m.
<b>Technical Session II</b>	<b>: Characterization Techniques for</b> <b>Materials</b> 11.15 a.m. to 12.30 p.m.
Lunch Break	: 12.30 p.m. to 01.30 p.m.
<b>Technical Session III</b>	<b>: Paper Presentation</b> 01.30 p.m. to 02.45 p.m.
<b>Technical Session IV</b>	<b>: Challenges in Materials Science</b> 02.45 p.m. to 03.45 p.m.
Tea Break	: 03.45 p.m. to 04.00 p.m.
Valedictory Session	: 04.00 p.m. to 04.30 p.m.

## REGISTRATION FORM

### Recent Trends in Materials Science-2018

Department of Physics  
TACW, Villupuram-605401

Name .....

Designation/ College: .....

Address for communication: .....

.....

Phone & Email :

Name of the Accompanying Staff:

Designation :

Phone Number :

Whether Presentation/Participation:

Title of the presentation:

### PAYMENT THROUGH DEMAND DRAFT

Amount :

DD No & Date :

Name of the Bank :

Date & Place :

Participant Signature

**Note:** Filled-in-registration form and full paper (soft copy) should reach the following email on or before **29-01-2018**.

Last date for Abstract submission : **26-01-2018**

Last date for Full Paper submission: **29-01-2018**

### Registration Fee

Participation : **Rs. 500**

Presentation : **Rs. 750**

### Contact Details

Dr. D. Bharath  
Convener, Department of Physics,  
Theivanai Ammal College for Women, (Autonomous)  
Chennai – Trichy Trunk Road,  
Villupuram – 605 401.

Contact No: 9944308533; 9994978260

E-Mail: [rtmsphysics2018@gmail.com](mailto:rtmsphysics2018@gmail.com)

## ORGANISING COMMITTEE

### CHIEF PATRONS

**Thiru. E. Swamikkannu**

Founder-Chairman

E.S. Group of Institutions

**Mr. S. Senthil Kumar**

Secretary, TACW

### PATRONS

**Dr. Kasthuri Bai Dhanasekaran**

Registrar, E.S.S.K. Educational Charities

**Dr. E. Soundara Rajan**

Deputy Registrar,

E.S.S.K. Educational Charities

### COORDINATORS

**Dr. A. V. Aruna Kumari**

Principal, TACW

**Dr. C. R. Uthra**

Dean (R&D), TACW

### CONVENERS

**Dr. D. Bharath**

**Dr. G. Suresh**

### ORGANIZING SECRETARY

**Dr. R. Satheesh Kumar**

## THEIVANAI AMMAL COLLEGE FOR WOMEN (AUTONOMOUS)

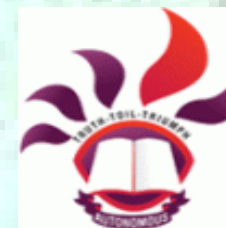
(A Unit of E.S.S.K. Educational Charities)

(An Autonomous Institution Permanently Affiliated to  
the Thiruvalluvar University)

(Re-Accredited (2<sup>nd</sup> cycle) by NAAC with Grade 'A' &  
ISO 9001:2008 Certified)

(Recognized under 2(f) and 12(B) of UGC Act)

**VILLUPURAM**



**National Seminar on**

**Recent Trends in Materials Science**

**02<sup>nd</sup> February 2018**



**ORGANIZED BY**

**DEPARTMENT OF PHYSICS**

**THEIVANAI AMMAL COLLEGE FOR WOMEN**

**(AUTONOMOUS)**

**VILLUPURAM - 605 401.**

**TAMILNADU, INDIA.**

**[www.tacw.in](http://www.tacw.in)**