



# ALAGAPPA UNIVERSITY

(Accredited with 'A+' Grade by NAAC (CGPA: 3.64) in the Third Cycle, Graded as Category-I University and  
Granted Autonomy by MHRD-UGC, 2019: QS ASIA Rank – 216, QS BRICS Rank – 104, QS India Rank – 20)

KARAIKUDI - 630 003, Tamil Nadu, India



## SPONSORED UNDER RUSA PHASE 2.0 SCHEME

### INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS FOR SUSTAINABLE ENERGY AND SENSORS (INCAMSES-2019)

Organized by : Department of Physics Date : 16-17, September 2019

#### ABOUT THE UNIVERSITY

Alagappa University located at Karaikudi, Tamil Nadu is accessible from Madurai and Tiruchirappalli Airports well within 2 hours. The 440 acre green and lush campus houses all the academic activities. This University has emerged from the galaxy of institutions initially founded by the great philanthropist and educationist Dr. RM. Alagappa Chettiar. Alagappa University was brought into existence by a Special Act of the Government of Tamil Nadu in May 1985 with the objective of fostering research, development and dissemination of knowledge in various branches of learning. Alagappa University is recognized by the University Grants Commission (UGC) of India. The University has 44 Departments, 9 Centres and 2 Constituent Colleges on its campus. 40 Affiliated Colleges located in the districts of Sivaganga and Ramanathapuram are part of the University which includes one Autonomous College and one Alagappa University Model College of Arts and Science located at Kilakkarai and Paramakudi, respectively. The University offers education through Regular, Distance and Collaborative modes. Through all these modes of education, the University caters to the needs of the student community of around 1.14 lakhs. As a member of the Association of Indian Universities (AIU), as well as the member of the Association of Commonwealth Universities (ACU), it has rewarding relations with other academic institutions, research laboratories and industrial establishments that promise a spectacular future. The University is having International Collaborations with Universities / Institutions of Higher Learning in countries like Japan, China, Malaysia, Singapore, West Indies, U.S.A. and South Korea. Innovative programmes are designed and being offered at the University for the foreign students. The University's motto is "Excellence in Action" and the University keeps before it the vision of excellence in all spheres of its action which earned various distinctions such as (i) Accreditation by National Assessment and Accreditation Council (NAAC) with A+ grade with CGPA of 3.64, (ii) Category-I Institution Status by MHRD-UGC, (iii) Autonomy Status by MHRD-UGC, (iv) NIRF Rank 28 in 2019, and (v) Rashtriya Uchchatar Shiksha Abhiyan (RUSA) Grant. Under the stewardship of the present Vice-Chancellor Dr. N. Rajendran, the Alagappa University is marching ahead to bag many more academic laurels in the years to come.

#### ABOUT THE DEPARTMENT

Department of Physics was started in the year 1985. Since its inception, the Department has strong commitment towards teaching programmes at the postgraduate level and research programmes at doctoral level (Full time and Part time). Thrust area research programmes are being pursued intensively in the department which includes crystal growth of nonlinear, ferroelectric, semiconducting and scintillator materials, organic conducting polymers for rechargeable batteries, electrodes for Lithium, Sodium and Sulfur batteries, electrodes for fuel cells, thin film semiconductor for solar cells, layered compound semiconductor for photo electrochemical solar cells, oxide thin films for smart materials and MEMS.

During the span of 34 years, the department has published more than 970 research articles in internationally reputed scientific journals. To date, 100 Ph.D Scholars, 327 M.Phil and 500 M.Sc., students have graduated. Several international and national meetings have been organized in different areas of Physics. Research funding agencies such as DAE, DST, UGC, CSIR, DRDO, AICTE, BRNS etc., have sponsored several major research projects to the Department. Several awards and recognitions at the national and international levels have also been received. The department has been sponsored by UGC-SAP (Level I, II, III) and by DST-FIST (Level I - Stage I and II). The department has generated Rs.1207 lakh through various funding agencies which includes Rs.120 lakh through characterization analyses. The faculty members are offering consultancy services to small scale industry in the campus. Two patents have been filed and a new method of crystal growth has been invented and it has been well recognized by the researchers worldwide.

#### SCOPE OF THE CONFERENCE

In this conference, several prominent researchers will demonstrate and share their experiences on the current trends and developments on advanced materials. The INCAMSES-2019 aims to provide an opportunity to the participants to grasp the state of the art in design (tailoring) and synthesis of novel materials as well as their detailed characterization and to equip themselves with knowledge on device concepts. The technological applications emerging from these materials are lithium ion batteries, fuel cells, sensors, super capacitors, NLO devices, solar cells etc. This conference will provide a platform for collaboration among the researchers in materials science all over the world. The young researchers entering in this field are particularly encouraged.

#### TOPICS COVERED

- ❖ Nano-materials ❖ Battery materials
- ❖ Supercapacitor materials ❖ Fuel cells
- ❖ Thin films of semiconducting and solar energy materials
- ❖ Crystal Growth & Crystallography

#### ABSTRACT SUBMISSION GUIDELINES

The authors have to submit one-page abstract as a MS word file. The abstract should be prepared in the following format: Text Type: Times New Roman, Font Size: Title - 14 (Bold), Author name, Affiliation, & mail ID - 11, body of text - 12. Reference number should be cited inside the parenthesis, for eg; [1]. Abstracts should be mailed to [incamses@gmail.com](mailto:incamses@gmail.com) on or before 30.08.2019. The accepted abstracts will be published in the conference proceedings with ISBN.

#### IMPORTANT DATES :

Last date for Submission of Abstract : 30.08.2019  
Intimation of Selected Abstract: 04.09.2019  
Last date for Registration : 13.09.2019

#### Further Details :

ORGANIZING SECRETARIES : Dr.R.YUVAKKUMAR, Dr. M.RAMESH PRABHU, Dr.S. SUDHAHAR  
Cell: 9965508999 Cell : 9688703929 Cell : 9944183251

#### PROGRAMME COMMITTEE

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Vice-Chancellor

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Dr. M. RAMESH PRABHU, Assistant Professor  
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Department of Physics, Alagappa University

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Dr.V.Ganesh, Senior Scientist, CSIR CECRI, Karaikudi, India  
Dr.R.Thangamuthu, Principal Scientist, CSIR CECRI, Karaikudi, India

##### REGISTRATION

Registration form can be downloaded from the University website. Registration fee can be paid in the form of Demand draft drawn in favour of "The Organizing Secretary (INCAMSES-2019), Alagappa University" payable at Karaikudi, India.

Research scholars/students	INR	Rs. 600/-
Academicians/Scientists	INR	Rs. 1000/-
Industries	INR	Rs. 1500/-
Foreign delegates	US\$	100

##### ACCOMMODATION

Accommodation will be arranged in the students hostels, guest houses and hotels on payment basis. Participants are requested to contact us well in advance. No TA/DA will be paid to the participants.

Venue : 4<sup>th</sup> Floor, Seminar Hall, Science Campus, Alagappa University, Karaikudi-03