



Department of Analytical Chemistry,
University of Madras-Guindy Chennai

Department of Nano Science & Technology,
Bharathiar University-Coimbatore



Sree Chitra Tirunal Institute for Medical Sciences &
Technology Thiruvananthapuram



The National Academy of Sciences, India-Kerala Chapter

The Society for Biomaterials & Artificial Organs India
(SBAOI)-Chennai Chapter

Indian Society of Analytical Scientists-Tamil Nadu Chapter
Society for Tissue Engineering and Regenerative Medicine

Abinnovus Consulting Pvt. Ltd-India

Palms Connect LLC-USA

INVITES YOU TO

INTERNATIONAL WORKSHOP ON ELECTRO-SPINNING/SPRAYING 2021

April 23-24, 2021

Virtual Event with live demo



**Registration Fee for
Participation**

For UG : Rs.118

For PG & PhD: Rs. 256

For all others: Rs. 354

For International

**Participation: \$30
equivalent in Indian
currency**

**For information visit
www.abinnovus.com**



ABINNOVUS
CONSULTING PRIVATE LIMITED

INTERNATIONAL WORKSHOP ON ELECTRO-SPINNING/SPRAYING-2021



UNIVERSITY OF MADRAS

ABOUT THE UNIVERSITY

THE PUBLIC PETITION DATED 11-11-1839 INITIATED THE ESTABLISHMENT OF MADRAS UNIVERSITY. IT WAS IN JANUARY 1840 WITH MR. GEORGE NORTON AS ITS PRESIDENT, THAT THE UNIVERSITY BOARD WAS CONSTITUTED. IN 1854 AFTER A LAPSE OF 14 YEARS, THE GOVERNMENT OF INDIA FORMULATED A SYSTEMATIC EDUCATIONAL POLICY FOR INDIA AND AS A SEQUEL TO THIS ON 5TH SEPTEMBER 1857 BY AN ACT OF LEGISLATIVE COUNCIL OF INDIA, THE UNIVERSITY WAS ESTABLISHED. THE UNIVERSITY WAS ORGANISED IN THE MODEL OF LONDON UNIVERSITY.

MADRAS UNIVERSITY IS THE MOTHER OF ALMOST ALL THE OLD UNIVERSITIES OF SOUTH INDIA. THE UNIVERSITY AREA OF JURISDICTION HAS BEEN CONFINED TO THREE DISTRICTS OF TAMIL NADU IN RECENT YEARS. THIS IS CONSEQUENT TO ESTABLISHMENT OF VARIOUS UNIVERSITIES IN THE STATE AND DEMARCATION OF THE UNIVERSITY TERRITORIES. THIS UNIVERSITY HAS BEEN GROWING FROM STRENGTH TO STRENGTH WHILE WIDENING ITS TEACHING AND RESEARCH ACTIVITIES.

ABOUT THE DEPARTMENT OF ANALYTICAL CHEMISTRY

THIS DEPARTMENT WAS CREATED IN 1959 TO PRODUCE WELL TRAINED ANALYTICAL CHEMISTS TO MEET THE DEMANDS OF INDUSTRY AND RESEARCH ORGANIZATIONS. THE FIELD OF ANALYTICAL CHEMISTRY HAS BEEN ADVANCING RAPIDLY. TO KEEP UP WITH THE ADVANCES, THE ANALYTICAL CHEMIST MUST UNDERSTAND THE FUNDAMENTALS OF COMMON ANALYTICAL TECHNIQUES, THEIR CAPABILITIES AND THEIR LIMITATIONS. THE ANALYTICAL CHEMIST MUST UNDERSTAND THE PROBLEM TO BE SOLVED, SELECT THE APPROPRIATE TECHNIQUES TO USE, DESIGN THE ANALYTICAL EXPERIMENT TO PROVIDE RELEVANT DATA AND ENSURE THAT THE DATA OBTAINED IS VALID. MERELY REPORTING THE RESULT OF AN ANALYSIS IS NOT ENOUGH, THE ANALYTICAL CHEMIST MUST BE ABLE TO INTERPRET THE DATA AND COMMUNICATE THE MEANING OF THE RESULTS, TOGETHER WITH THE ACCURACY AND PRECISION (THE RELIABILITY). IN ADDITION TO UNDERSTANDING THE SCIENTIFIC PROBLEM, THE ANALYTICAL CHEMIST MUST ALSO CONSIDER FACTORS SUCH AS TIME LIMITATIONS IN PROVIDING AN ANALYSIS.

ORGANIZING SECRETARIES

DEPARTMENT OF ANALYTICAL CHEMISTRY, GUINDY CAMPUS

DR. K. RAVICHANDRAN

DR. T.M. SRIDHAR

DR. DEEPA P NAMBIAR

DR. K. VENKATACHALAM

DR. T.S.N. SANKARANARAYANAN

DR. B. ANANDAN
DEPARTMENT OF GENETICS

D. PRABU,
DEPARTMENT OF MICROBIOLOGY

DR. ALM PG INSTITUTE OF BASIC
MEDICAL SCIENCES CAMPUS

INTERNATIONAL WORKSHOP ON ELECTRO-SPINNING/SPRAYING-2021



BHARATHIAR UNIVERSITY

ABOUT THE UNIVERSITY

The Bharathiar University was established at Coimbatore by the Government of Tamilnadu, India in February, 1982 under the provision of the Bharathiar University Act, 1981 (Act 1 of 1982). The Postgraduate Centre of the University of Madras, which was functioning in Coimbatore before 1982 formed the core of the Bharathiar University. In May, 1985 the University received the recognition from University Grants Commission (UGC) New Delhi for the purpose of grants. The University named after the great national poet Subramania Bharathi is enshrined with the motto "Educate to Elevate". In the University, every effort is harnessed to realize his dream of making educational institutions as temple of learning. It is the aim of the University to participate in the task of inculcating necessary Knowledge, Skills and Creative Attitudes and values among the youth of the country to contribute more effectively towards establishing an equitable social and economic and secular ideal of our nation.

ORGANIZING SECRETARIES

DEPARTMENT OF NANOSCIENCE AND TECHNOLOGY

PROF. DR N. PONPANDIAN
PROFESSOR AND HEAD

DR.A.BALLAMURUGAN
ASSISTANT PROFESSOR

INTERNATIONAL WORKSHOP ON ELECTRO-SPINNING/SPRAYING-2021



SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY

ABOUT THE SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES

Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST) is an Institution of National Importance under the Department of Science and Technology, Govt. of India. The joint culture of medicine and technology pioneered by its founders more than three decades ago, has come of age and gained unprecedented acceptance in India. The institute has the status of a university and offers excellent research and training facilities. It has three wings: a tertiary referral super specialty hospital, a biomedical technology wing and the Achutha Menon Centre for Health Science Studies.

The Institute focuses on high quality, advanced treatment of cardiac and neurological disorders, indigenous development of technologies for biomedical devices and materials and public health training and research. The institute offers advanced treatment using modern technologies in several specialized areas such as interventional radiology, cardiac electrophysiology, deep brain stimulation for movement disorders, epilepsy surgery, pediatric cardiac surgery, base of skull and vascular surgeries, to name a few. The institute has excellent facilities and teams of professionals dedicated to the development of innovative biomedical devices and products, evaluation of medical devices to global specifications, training in novel medical specialties and research in medical and public health areas of social relevance.

ORGANIZING COMMITTEE

CHIEF PATRON

DR. V. K. SARASWAT, PRESIDENT,
SCTIMST AND MEMBER NITI AAYOG

PATRON

DR. JAYAKUMAR K.,
DIRECTOR (IN-CHARGE), SCTIMST

CHAIRMAN

DR. HARIKRISHNA VARMA PR,
HEAD, BMT WING, SCTIMST

CO-CHAIRMAN

ER. MURALEEDHARAN CV,
ASSOCIATE HEAD, BMT WING,
SCTIMST

CONVENOR

DR. MAYA NANDKUMAR, HEAD,
DEPT. OF APPLIED BIOLOGY,
SCTIMST

ORGANIZING SECRETARIES

DR. NARESH KASOJU,
DIVISION OF TISSUE CULTURE,
SCTIMST

DR. ANIL KUMAR PR,
DIVISION OF TISSUE CULTURE,
SCTIMST

INTERNATIONAL WORKSHOP ON ELECTRO-SPINNING/SPRAYING-2021



Kerala Chapter

THE NATIONAL ACADEMY OF SCIENCES **INDIA-KERALA CHAPTER**

ABOUT THE NATIONAL ACADEMY OF SCIENCES INDIA-KERALA CHAPTER

The National Academy of Sciences, India (initially called "The Academy of Sciences of United Provinces of Agra and Oudh") was founded in the year 1930, with the objectives to provide a national forum for the publication of research work carried out by Indian scientists and to provide opportunities for exchange of views among them. NASI - Kerala Chapter was inaugurated on 30 September 2020 and aims to fulfil the objectives of the NASI in the state of Kerala.

NASI - envisions the cultivation and promotion of Science & Technology in all its branches through -

- a) promoting scientific and technological research related to the problems of societal welfare;
- b) publication of proceedings, journals, memoirs, transactions and other works as may be considered desirable;
- c) organising meetings and hold discussions on scientific and technological problems;
- d) undertaking, through properly constituted committees and bodies, the scientific work(s) of technological or public importance.
- e) co-operating with other organizations in India and abroad, having similar objects, and to appoint representatives of the Academy to act on national and international bodies;
- f) securing and managing funds and endowments for the promotion of science and technology;
- g) organising a Science Library;
- h) performing all other acts, matters and things that may assist in, conduce to, or be necessary for the fulfillment of the above mentioned aims and objects of the Academy;
- i) creating an adequate impact of the Academy all over the country, by opening Chapters of the Academy in other cities in the country, where reasonable number of Fellows and Members are available.

ORGANIZING COMMITTEE

President, NASI Kerala Chapter

Prof. K.V. Peter,
Former Vice Chancellor,
Kerala Agricultural University,
Thrissur & Director, ICAR-Indian
Institute of Spices Research,
Calicut

Secretary, NASI Kerala Chapter

Dr. Deepu Mathew,
Assistant Professor,
Centre for Plant Biotechnology
and Molecular Biology, Kerala
Agricultural University, Thrissur

Coordinator, NASI Kerala Chapter

Prof. Edathil Vijayan,
Former ICMR Emeritus Medical
Scientist & UGC Visiting Professor,
Cochin University of Science and
Technology, Cochin

INTERNATIONAL WORKSHOP ON ELECTRO-SPINNING/SPRAYING-2021



SOCIETY FOR BIOMATERIALS AND ARTIFICIAL ORGANS - INDIA, CHENNAI CHAPTER

About the SBAOI-Tamil Nadu Chapter

The Society for Biomaterials & Artificial Organs India (SBAOI) was formed in 1986 and registered under the Travancore-Cochin Act XII of 1955, (act for registration of literary, scientific and charitable societies) with the name Society for Biomaterials and Artificial Organs - India with the following objectives. This Society will not only cultivate an atmosphere nationwide for the growth of basic and technological oriented research in Biomaterials and Artificial Organs but also bring the professionals from various faculties together to improve the quality of their approach in future research. This is done by communication among all members, by developing a Society newsletter and also by arranging workshops with laboratory demonstrations, where learning and exchange of relevant concepts are stimulated every year. The Society is administered by its office bearers consisting of the President, two Vice presidents, the General Secretary and Treasurer elected from the executive committee constituted from the eligible members of the Society.

ORGANIZING SECRETARIES

DR. T.S. SAMPATH KUMAR
IITM, CHENNAI

DR. N. RAJENDRAN
ANNA UNIVERSITY, CHENNAI

DR. T.M. SRIDHAR
UNIVERSITY OF MADRAS,
CHENNAI

DR. A. SIDDHARTHAN
ANNA UNIVERSITY, CHENNAI

DR. P. HARIKRISHNAN
TEETH N JAWS, CHENNAI

DR. R. NARAYANI
CSIR-CLRI, CHENNAI

DR. A.M. BALLAMURUGAN
BHARATHIAR UNIVERSITY,
COIMBATORE

INTERNATIONAL WORKSHOP ON ELECTRO-SPINNING/SPRAYING-2021



INDIAN SOCIETY OF ANALYTICAL SCIENTISTS TAMIL NADU CHAPTER

ABOUT THE ISAS-TAMIL NADU CHAPTER

INDIAN SOCIETY OF ANALYTICAL SCIENTISTS (ISAS) – TAMIL NADU CHAPTER : ISAS-TN STARTED IN 1995 IS AN ACTIVE SCIENTIFIC FORUM WITH ITS HEADQUARTERS AT DEPARTMENT OF ANALYTICAL CHEMISTRY, UNIVERSITY OF MADRAS. THE SOCIETY PROVIDES A COMMON PLATFORM FOR ANALYTICAL SCIENTISTS TO EXCHANGE IDEAS, KEEP THEMSELVES ABREAST OF THE LATEST DEVELOPMENTS IN THIS FIELD, THUS PROMOTING GROWTH OF ANALYTICAL SCIENCES IN THE COUNTRY. THE CHAPTER HAS IN THE PAST-ORGANIZED SEVERAL TECHNICAL LECTURES/ SEMINARS / WORKSHOPS AND CONFERENCES.

ORGANIZING SECRETARIES

DR. S. SRIMAN NARAYANAN
CHAIRMAN
VICE-CHANCELLOR
VISTAS, CHENNAI.

DR. K. RAVICHANDRAN,
VICE-CHAIRMAN, DIRECTOR, INSTITUTE
OF DISTANCE EDUCATION, UNIVERSITY
OF MADRAS, CHENNAI.

DR. T. SUNDARARAJAN
VICE-CHAIRMAN
WHEELS INDIA LIMITED, CHENNAI

DR. T.M. SRIDHAR,
GENERAL SECRETARY, HOD, DEPT. OF
ANALYTICAL CHEMISTRY, UNIVERSITY
OF MADRAS, CHENNAI.

DR. T. SIVAKUMAR
JOINT SECRETARY
PROFESSOR, DEPT. OF APPLIED
SCIENCES
A.C.COLLEGE OF TECH. ANNA
UNIVERSITY, CHENNAI

DR. K.M. VEERABADRAN
JOINT SECRETARY
DEPARTMENT OF CHEMISTRY
MIT, CHENNAI

DR. D. RAVI SANKARAN
TREASURER
PROFESSOR, NCNSNT, UNIVERSITY OF
MADRAS CHENNAI.

DR. RA. KALAIVANI
JOINT TREASURER
DIRECTOR, SCHOOL OF BASIC
SCIENCES, VELS UNIVERSITY, CHENNAI

INTERNATIONAL WORKSHOP ON ELECTRO-SPINNING/SPRAYING-2021



SOCIETY FOR TISSUE ENGINEERING AND REGENERATIVE MEDICINE

ABOUT THE STERMI

THE SOCIETY WAS REGISTERED ON APRIL 25, 2007 AS A CHARITABLE SOCIETY UNDER THE TRAVANCORE COCHIN LITERARY SCIENTIFIC AND CHARITABLE SOCIETIES REGISTRATION ACT 1955 WITH A BASIC OBJECTIVE TO INTEGRATE TISSUE ENGINEERING AND REGENERATIVE MEDICINE TO ENHANCE THE HEALTH CARE SYSTEM AND TO BRING THE INTERDISCIPLINARY SCIENTISTS TOGETHER FOR IMPROVING THE RELATED R&D IN INDIA. DR. CHANDRA P SHARMA ATTENDED THE EXECUTIVE COUNCIL MEETING OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE INTERNATIONAL SOCIETY (TERMIS) AT THE REGENERATE 2006, IN THE WORLD CONGRESS ON TISSUE ENGINEERING AND REGENERATIVE MEDICINE IN PITTSBURG O APRIL 26, 2006. DR. SHARMA WAS ENCOURAGED TO INITIATE THE SOCIETY IN INDIA. HE COMMUNICATED WITH MANY SCIENTISTS AND BASED ON THE FAVORABLE RESPONSES RECEIVED, THE SOCIETY FOR TISSUE ENGINEERING & REGENERATIVE MEDICINE (INDIA) WAS CONSTITUTED. FIRST MEETING OF THE SOCIETY WAS ORGANISED AT IIT MADRAS ON DECEMBER 13, 2007 WITH AN INAUGURAL ADDRESS OF PROF. DF WILLIAMS, EDITOR-IN-CHIEF, BIOMATERIALS JOURNAL.

ORGANIZING SECRETARIES

PRESIDENT

DR. BIMAN B MANDAL
IIT GUWAHATI

VICE PRESIDENT

DR. MAYA NANDKUMAR
SCTIMST, THIRUVANANTHAPURAM

DR. BHARATH GURU
MAHE, MANIPAL

SECRETARY

DR. AM BALAMURUGAN
BHARATHIAR UNIVERSITY,
COIMBATORE

JT. SECRETARY

DR. KALADHAR K
AMRITA, KOCHI

TREASURER

DR. ANILKUMAR PR
SCTIMST, THIRUVANANTHAPURAM

INTERNATIONAL WORKSHOP ON ELECTRO-SPINNING/SPRAYING-2021



ABINNOVUS CONSULTING PVT. LTD

ABOUT THE ABINNOVUS CONSULTING PVT LTD

ABINNOVUS CONSULTANCY PRIVATE LIMITED CONSISTS OF MULTIDISCIPLINARY PROFESSIONAL EXPERTS IN SPECIALIZED DOMAINS OF MATERIALS SCIENCE AND PROVIDE COMPREHENSIVE SOLUTIONS TO ALL CONSULTANTS THROUGH SCIENTIFIC APPROACHES. OUR KEY GOAL IS TO MAKE SCIENCE RELEVANT TO OUR CLIENTS AND FACILITATE WITH MOST PROFESSIONAL CONSULTANCY AND QUALITY PROCEDURES.

WE SEEK TO CONNECT FUNDAMENTALS TO OUR CLIENTS RESEARCH PROBLEMS AND OUR SUBJECT EXPERTISE. ASSIST THEM WITH SUITABLE INNOVATIVE SOLUTIONS. OUR SUBJECT COMPETENCY INCLUDES BIO MATERIALS, NANOTECHNOLOGY, METALLURGY AND MATERIALS SCIENCE.

WE SUPPORT PHYSIO-CHEMICAL ANALYTICAL SERVICES WHICH SPECIALIZES IN THE MATERIAL SCIENCES DOMAIN THAT INCLUDES CHEMICAL, STRUCTURAL, OPTICAL, MECHANICAL AND BIO ANALYTICAL TECHNIQUES. WE ALSO EXTEND OUR SERVICES THROUGH DATA INTERPRETATION AND ANALYSIS OF THE RESULTS

WE ARE FOCUSED IN PROVIDING TRAINING SESSIONS TO OUR CONSULTANTS IN THE FIELDS OF COMPUTATIONAL MATERIALS SCIENCE. WE TUTOR THEM THE ADVANCED SOFTWARE TOOLS AND ASSIST THEM FOR THEIR ACADEMIC/RESEARCH PROJECTS AND TRY TO BRING THEM BETTER UNDERSTANDING IN BOTH EXPERIMENTAL / THEORETICAL MEANS

OUR ACADEMIC EVENTS ARE PLANNED TO COVER TOPICS FROM BASIC TO ADVANCED FIELDS OF MATERIALS SCIENCE AND ENGINEERING. WE ALSO PROVIDE BOTH PHYSICAL AND VIRTUAL EVENT SUPPORT WITH OUR DEDICATED TEAM FOR SMOOTH CONDUCTING OF CONFERENCES, WORKSHOPS AND DEVELOPMENT PROGRAMS

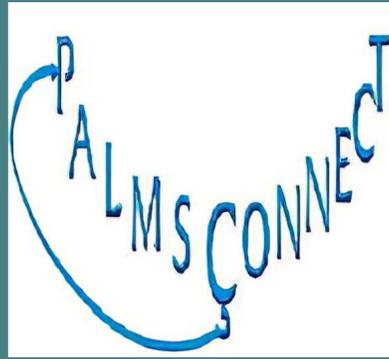
ORGANIZING SECRETARIES

DR. PRAVEEN RAMAKRISHNAN
CO-FOUNDER & CEO

DR. MALLIKHARJUNA REDDY
BOGALA
CSO

DR. P. BARANEEDHARAN
CTO

INTERNATIONAL WORKSHOP ON ELECTRO-SPINNING/SPRAYING-2021



PALMS CONNECT LLC-USA

ABOUT THE ISAS-TAMIL NADU CHAPTER

OUR TEAM COMPRISING OF HEALTHCARE PRODUCT DEVELOPMENT SPECIALISTS AND FINANCIAL EXPERTS, ARE EXPERTIZED ON NANOCARRIER PRODUCTION FOR NANO DRUG DELIVERY PLATFORM. WE HAVE EXPERTISE IN DEVELOPING TECHNOLOGY FOR PRODUCT DEVELOPMENT FOR PRINTERS, ROUTERS AND EMBEDDED BOARDS.

TEAM HOLDS DECADES OF EXPERIENCE RELATED TO BANKING AND FINANCIAL SERVICES AND IN TECHNOLOGY DEVELOPMENT FOR CONTROLLED RELEASE USING NANO DRUG DELIVERY PLATFORM OF TARGETED DELIVERY, BIOACTIVE MATERIALS FROM NATURAL RESOURCES, EMBEDDED, WIRELESS AND NETWORKING.

TECHNOLOGY

OUR COMPANY CONTINUOUSLY INNOVATES ON HEALTHCARE APPLICATIONS PLATFORM AT MACRO AND NANO LEVELS. NANO DRUG DELIVERY SYSTEM IS THE STATE OF THE ART TECHNOLOGY FOR CONTROLLED DRUG RELEASE WHICH PALMS CONNECT LLC IS AN EXPERT IN THIS PLATFORM. THE NANOCARRIER INDUSTRY IS VALUED AT TENS OF BILLIONS OF DOLLARS AND GROWING FURTHER. GYNAECOLOGICAL CANCERS IS ON THE RISE IN THE IMPOVERISHED SUBCONTINENTS OF THE WORLD. IF LEFT UNCHECKED ASIA AND AFRICA WOULD BE FACING A PANDEMIC WHICH COULD JEOPARDISE THE MONETARY PRODUCTIVITY, ENDING UP IN A HUGE SOCIAL BURDEN TO THE AFFECTED COUNTRIES. INNOVATIVE MODES OF ADMINISTRATION OUTSMARTING THE CONVENTIONAL ORAL AND PARENTAL MODES ARE IN THE PIPELINE FOR TARGETED DELIVERY.

ORGANIZING SECRETARIES

DR. BALU RANGANATHAN
CO-FOUNDER
PALMS CONNECT LLC