



In Collaboration with



NATIONAL CONFERENCE

on

TECHNOLOGICAL INNOVATIONS IN LIFE SCIENCES TOWARDS SUSTAINABILITY

Registration link

<https://ksrct.link/q/tils24>

17 APRIL, 2024

tils24@ksrct.ac.in



ABOUT THE INSTITUTION

K.S.Rangasamy College of Technology (KSRCT) was started in the year 1994. This institution is located in a scenic campus area near Tiruchengode, South India. It is a pioneering Institution in providing quality technical education with 14 U.G., 11 P.G. and 12 Ph.D. programs. The College is approved by AICTE and affiliated with Anna University, Chennai. KSRCT has been granted Autonomous status by UGC and secured the 99th position in NIRF 2017 ranking and 51 - 100 band in NIRF Innovation Ranking 2023 on Engineering discipline. KSRCT is DST - FIST sponsored, eligible departments with NBA Tier 1 category and NAAC with A++ grade. This holistic learning experience includes cutting-edge infrastructure, an AICTE - IDEA Lab, an ATAL Community Innovation Centre, MSME incubation centre an IIC 5.0 rated 4 stars with mentor status.

The National Technical Textile Mission (NTTM) funded with 6.5 crore rupees earmarked for fostering cutting-edge research and development. Nasscom Future Skills Prime certifications, digital libraries, TNSCST IPR Cell, Centers of research excellence and etc., for enhancing students technical skills in the campus. Moreover, the Institution cultivates the moral, social and ethical values to produce good and competent engineers to play an important role in the enlistment of educational quality and technology. The institute research centers are engaged in consultancy and R&D activities of several government bodies such as DST, DBT, DAE, CSIR, DRDO, and ISRO along with other private industries.

School of Life Sciences was established with a vision of promoting inter-disciplinary learning and research. Departments of Biotechnology, Nano Science and Technolog, Food Technology and Textile Technology were accommodated under KSRCT School of Life Sciences for steady progression towards achieving academic excellence. The infrastructure facilities were greatly expanded through funds from the Institution and various funding agencies like DST, DRDO, DET, ICMR, AICTE, Ministry of Textiles, SERB, CSIR.

Department of Textile Technology was established since 1997 with well equipped laboratories, experienced faculty and dedicated staff members to meet the technical manpower needs of the rapidly expanding textile and garment industry by creating industry-ready graduates. Curriculum has been designed to update the knowledge of students in current technological trends. The department library is stacked with good collection of books, International and National Journals, to provide ample opportunities for the students to explore their propensity for learning and innovation in their field of study. The department has received funding from various government agencies like DST, DRDO, AICTE, Ministry of Textiles, SERB, CSIR, etc. The department has inked Memorandum of Understanding (MoU) with leading Universities and Industries for promoting research and consultancy activities. The department conducted training through Central and State government skill development schemes for the under privileged. The Department has achieved 100% placement for the batches so far with good salary in reputed MNCs in India and abroad.



Department for Nanoscience and Technology was established since 2008 with an objective to undertake advanced technology transfer research in the field of Nanoscience and Technology. The department is offering the Post Graduate programme in M.Tech. Nanoscience and Technology since 2008 and also offers Ph.D. in the field of Nanoscience and Technology. More than 28 candidates were awarded with Ph.D. degree. Granted 3 patents and filed 13 patents in areas such as nano-metal oxides from natural minerals, nano-silica from rice husk, and nanoparticles from herbal plants for different industrial applications. More than 200 publications in different peer-reviewed international journals. 22 completed funded projects with a value of Rs.3.64 crores from DST-DAAD-PPP, DST-SERB, New Delhi and BRNS, Mumbai Conducted many International conferences and hands-on training workshops on Nanotechnology and 15 MoU signed with international institute and industry to cater to the needs of the nanotechnology-based scientists and researchers. Five Nobel Laureates has visited the CNST, KSRCT since 2010

Department of Biotechnology was established since 2002 which offers B.Tech Biotechnology at the UG level, M.Tech-Biotechnology Sponsored by DBT GAT-B at PG level and Ph.D. degree at doctoral research level. The research centre is approved by Anna University, Chennai. Over two decades of existence with 15 state of art laboratories and an animal house facility, 250 research papers in peer reviewed journals, popularized articles, 17 magazines, 225 abstracts were published by the members of faculty and students in addition to 16 books, 24 book chapters, 23 general articles, 27 proceedings till date. The department have received 20 funded projects, 2 granted Indian patents and filed 24 Indian patents, 1 PCT, 4 US and 2 UK patents. About 62 students and 12 faculties have received fund for "Student Project, summer research and Young Scientist Fellowship from TNSCST and IAS. One faculty received "Young scientist fellowship from DST. Nine students have received Senior Research Fellow (SRF) from various funding agencies

Department of Food Technology was established since 2016 which offers B.Tech. Food Technology. The department of Food technology delivers Outcome Based Education (OBE) which is effective in producing competent technologist. The department has a dedicated team of highly qualified members of having expertise in broad interdisciplinary research domains. The department trains the students in the well-equipped laboratories like Food Microbiology, Food Analysis, Fruit and Vegetable processing, Food Fermentation, Dairy engineering, Food Process Engineering, etc., the laboratories are well-equipped with state-of-the-art equipment for the accessibility of students. Labs provide a plethora of opportunities for the students to quench their scientific pursuit. Dedicated R&D faculty teams are involved in guiding the students in their minor and major research projects which are being offered in the department.

Department of Chemistry was established since 1994 and research centre approved by Anna University, Chennai. Faculty published more than 60 articles in peer reviewed national and international journals. Our faculty got best faculty award and young scientist award and has so many collaboration with foreign institute/universities. Dedicated R&D faculty team involved in guiding the students in interdisciplinary department projects.

ABOUT THE CONFERENCE

NCTILS 2024, is designed to bring together the scientists, researchers, industries, and students across the country to share and disseminate the knowledge, new ideas, innovative technologies, recent advances in industry and hence, to foster the research relations between the academia and the industry. This Conference will foster the teaching-learning community with the knowledge needed to advance professionally and opportunities to collaborate and learn from the experts. The Conference would offer several distinguished lectures across the domain of biotechnology, nanotechnology, food technology, textile technology, chemistry and more showcasing how technology is being used to address sustainability challenges through plenary and oral / poster sessions to create a platform for the budding researchers to share their findings among their peers and experts. Best paper awards will be presented for the research findings with the most significant innovative contributions to the field of science and technology.

TECHNOLOGICAL INNOVATIONS IN LIFE SCIENCES TOWARDS SUSTAINABILITY

CHIEF PATRON

Mr. R. SRINIVASAN, Chairman, KSREI

PATRON

Dr. R. GOPALAKRISHNAN, Principal, KSRCT

CHAIR

Dr. G.KARTHIKEYAN, Vice-Principal, KSRCT

CONVENORS

Dr.J.PHILIP ROBINSON, HoD FT

Dr.B.KALPANA, HoD NST & BT

Dr.K.SARAVANAN, PROF, TXT

Dr.T.A.SUKANTHA, HoD, CHM

FACULTY COORDINATORS

Dr.P.SHANMUGAM, ASP, FT

Dr.M.NITHYA, AP, BT

Mr.R.MOHANRAJ, AP, NST

Dr.N.SUKUMAR, PROF, TXT

Dr.S.MEENACHI, ASP, CHM

ADVISORY COMMITTEE

INDUSTRY

Dr. ABISHEK MATHUR

DGM R&D

Prathista Industries Telengana, India

Mr. ANTO GODWIN

CO-FOUNDER & COO

NoPo Nanotechnologies, Bengaluru

Dr. MUTHU DHANRAJ

Board of Director

Primas Bioscience Pvt. Ltd.,
Perundurai, India

Dr. KABILAN CHANDRASEKARAN

Board of Director

Primas Bioscience Pvt. Ltd.,
Perundurai, India

Mr. C. DHANDAYUTHAPANI

MAG Solvics Private Limited

Kinathukadavu, Coimbatore
India

Mr. RAJEEV KRISHNAN

Founder and Managing Director

Spadeworks Sourcing Pvt Ltd
Nungambakkam, Chennai, India

Dr. K. RAMESH

**Subject Matter Expert – Zero Liquid
Discharge [ZLD]**

General Manager – Central Projects,
Aditya Birla Group,
Chemical Division.
Mumbai.

Dr. S. ARAVINDH

Executive Director & CSO

Elies Biotech Pvt, Ltd.
Erode.

Ms. M. RAJHA RAJESHWARI

MM Nutri Foodzee

Tiruchengode.

Dr.P.SATHIYAMURTHI

Moons Food

Tiruchengode.

NATIONAL

Dr. V. CHITRA DEVI

Professor

Department of Food Technology,
Kongu Engineering College, Perundurai

Dr. J. PRAKASH MARAN

Associate Professor

Department of Food Science and Nutrition,
Periyar University, Salem.

Mr. V. SUDHAKAR

Professor

Department of Food Technology,
Rajalakshmi Engineering College, Chennai, India

Dr. T. PAVAN KUMAR

Senior Scientist

Department of R&D Planning and Business
Development, CSIR-Institute of Minerals & Materials
Technology, Bhubaneswar, India

Dr. A. CHATTERJEE

Associate Professor

Textile Technology
Dr. B.R. Ambedkar National Institute of Technology
Jalandhar

Dr. C. PRAKASH

Director

Indian Institutes of Handloom Technology
Fulia, West Bengal.
India

Dr. V. PUGALENTHI

Associate Professor

Department of Biotechnology,
University College of Engineering,
Bharathidasan Institute of Technology Campus,
Anna University,
Tiruchirappalli, India

Dr. P. SELVAMANI

Associate Professor

Department of Pharmaceutical Technology,
College of Engineering (BIT) Tiruchirappalli, India

TECHNICAL COMMITTEE

Textile Technology

Dr. M. B. SAMPATH PROF

Dr. M. BHARANI ASP

Dr. K. R. NANDAGOPAL AP

Mr. G. DEVANAND AP

Ms. C. PREMALATHA AP

Mr. A. S. SUBBURAAYASARAN AP

Mr. P. MAHESWARAN AP

Mr. M. ARUNKUMAR AP

Ms. G. DHANAPRIYA AP

Nano Technology

Dr. S.SATHEESKUMAR PROF

Dr. A.KARTHIK ASP

Biotechnology

Dr. PUNIETHAA PRABHU PROF

Dr. S. SIDHRA ASP

Dr. K. SYED ZAMEER AHMED ASP

Dr. S POORNIMA ASP

Dr. B. MYTHILI GNANAMANGAI ASP

Dr. J. S. SWATHY AP

Dr. RENGESH BALAKRISHNAN AP

Ms. R. KRISHNAVENI AP

Ms. M. S. KALAIARASI AP

Ms. K. ABINAYAA AP

Food Technology

Dr. A. S. RUBY CELSIA AP

Dr. K. PRABHA AP

Dr. J. BALACHANDRA MOHAN AP

Mr. G. BARATH AP

Mr. P. KALAIRAJAN AP

Mr. S. NITHISHKUMAR AP

Ms. P. AARTHI AP

Chemistry

Dr. R. PALANIVELU PROF

Dr. B. SRIVIDHYA PROF

Dr. M. TAMILVANAN AP

Mr. K. TAMILARASU AP

Ms. D. KIRUTHIGA AP

THRUST AREAS

- Biofuels
- Nanosensors
- Instant Foods
- Green Textiles
- Food Analysis
- Nutraceuticals
- Pre/Probiotics
- Edible Coatings
- Nanoelectronics
- Nano-Biomedical
- Green Extraction
- Protective Fabrics
- Traditional Foods
- Food Adulteration Biopharmaceuticals
- Nanobiotechnology
- Textile Composites
- Automobile Textiles
- Aesthetics of Textiles
- Thin Film Technology
- Microbial Diagnostics
- Industrial Biotechnology
- Nano - Communications
- Nanodevice Fabrications
- Advanced Nanomaterials
- Electrochemical Corrosion
- Biomolecular Engineering
- Computational Genomics
- Agricultural Nano & Biotechnology
- Microbial Energy Production
- Environmental Biotechnology
- Multifunctional Materials
- Smart Textile Applications
- Textile Material Recycling
- Sustainable Chemical Processing
- Food Product Development
- Controlled Atmosphere Packaging
- Nanotechnology in Energy & Environment

including but not limited to...

CALL FOR PAPERS

Original research papers (not limited to the thrust area) from Faculty, Scientists and Research Scholars from academia, Students, Industry and R&D Organizations are invited. All full papers are subjected to double peer review. All accepted papers will be published in the UGC-CARE listed Journals.

IMPORTANT DATES

Abstract Submission Deadline : 05 April, 2024
Abstract Acceptance : 08 April, 2024
Full Paper Submission : 13 April, 2024
Registration Deadline : 14 April, 2024

REGISTRATION FEES

UG/PG Students : 250 INR
Academician / Research Scholar : 500 INR
Industry persons : 1000 INR

PAYMENT DETAILS

Account Name : KSRCT Principal
General Account
Account number : 0751301000264891
Bank Name : DBS Bank
IFSC Code : DBSS0IN0751
Branch : Thokkavadi Branch

REGISTRATION LINK

<https://ksrct.link/q/tils24>

MAIL ID

tils24@ksrct.ac.in

CONTACT DETAILS

CONFERENCE CHAIR - NCTILS 2024

Dr.G.Karthikeyan, Vice-Principal, KSRCT - 9280808082

CONVENORS - NCTILS 2024

Dr.B.Kalpana, HoD, NST & BT - 9894332421
Dr.K.Saravanan, Prof, TXT - 9842103201
Dr.J.Philip Robinson, HoD, FT - 9443989963
Dr.T.A.Sukantha, HoD, CHM - 9894294908

Scan for registration

