



HINDUSTAN
INSTITUTE OF TECHNOLOGY & SCIENCE
(DEEMED TO BE UNIVERSITY)



Dr. K. C. G. VERGHESE
Founder Chairman
1940 – 2006

3-Days Winter Workshop on

“Nanotechnology for a Sustainable Future”

In Association with
Association of Biotechnology Led Enterprises



December 7 – 9, 2022



INDUSTRIAL VISIT TO  TICEL BIOPARK, CHENNAI

Organized by

Department of Chemical Engineering & Biotechnology
Hindustan Institute of Technology and Science, Padur-603103





About the Institution

Hindustan Institute of Technology and Science (HITS) is a prestigious Institution accredited with "A" grade by NAAC, Govt. of India. QS, the reputed International Ranking Agency has awarded an overall rating of three star to the University. HITS has a cosmopolitan ambience with high calibre and learned faculty, who are thought leaders, consultants, technology implementers and inventors. The Institution is driven by the virtuous vision of the founder Chairman, Late Dr. K.C.G. Verghese, "To Make Every Man a Success and No Man a Failure" and is devoted to the excellence in Research, Teaching and Learning. HITS focuses on Internationalization, which has led to long standing academic collaboration and MoU's with renowned partner Institutions and global organizations. The Institution has been consistently ranked among the best Institutions in the country, which aspires to emerge into Global Educational Institution.

About the Department

The Chemical Engineering & Biotechnology Department was established in the year 2009 and 2013 and offers B.Tech and Doctoral Degree Programme in Chemical Engineering and Biotechnology. The Department is multi-disciplinary with faculty expertise ranging from Process Engineering, Biotechnology, Nanotechnology and Environmental Engineering. The Department has well established laboratories along with good infrastructure to carry out research.

About the Workshop

This workshop's scope encompasses the study of both fundamental phenomena at the nanoscale and applications of these phenomena, but not all exhaustive and would cover all the areas in Material science, Environmental science, Physics, Chemistry and Biology/Biotechnology/Biomedicine/ Nano in mechanical applications. This 3-day workshop will have lectures on the basics of nanotechnology, interdisciplinary areas and subjects related to the nanotechnology research along the 3 application areas: Health, Technology and Sustainability. Hands-on training on nanomaterial characterization, their analytical techniques and demonstration of different fabrication processes will also be included. This platform will provide participants an opportunity to interact and collaborate with research scientists, industrialists and eminent personalities from various streams of science and engineering. The lectures are organized in a way so as to cater to all the current research challenges and address the problem statements. This workshop would definitely prove to be a scientifically beneficial amalgamation of some of the best ideas and technologies to accelerate them forward.



Topics on focus

- Nanomaterial Synthesis and Fabrication
- Smart Nanomaterials
- Energy Conversion and Storage
- Drug Delivery System
- Photochemistry and Photobiology
- Polymeric Materials
- Colloids and Surface
- Nano-mechanical system
- Electrochemistry
- Chemical and Biosensors, any other studies related to the workshop theme



Target audience

Faculty, Research Scholars, UG and PG students from Academic and Research Institutions.

Resource persons

Dr.B.B Lahiri, Scientific Officer F, Smart Materials Section, Materials Characterization Group & Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, Tamil Nadu.

Dr.R.Jayavel, Dean, A.C. Tech Campus, Professor, Crystal Growth Centre, Anna University, Chennai

Dr. S. Balakumar, Professor and Director, National Centre for Nanosciences and Nanotechnology, Madras University, Guindy Campus, Chennai

Dr.R.Raja, Professor, Research and Development Wing, Sree Balaji Medical College and Hospital (SBMCH), Bharath Institute of Higher Education and Research (BIHER), Chromepet, Chennai.

Dr. Pushpamitra Panigrahi, Professor and Scientist-F, Clean Energy and CENCON, Hindustan Institute of Technology and Science (HITS), Padur.

Dr. Indrajit Shown, Professor, Department of Chemistry, Centre for Clean Energy and Nano Convergence, Hindustan Institute of Technology and Science (HITS), Padur.

Dr. Arul Francis, Associate Professor, Centre of Molecular Medicine and Diagnostics (COMManD), Department of Biochemistry, Saveetha Dental College and Hospitals, Saveetha Institute of Medical & Technical Sciences, Chennai.

Dr. G. Devanand Venkatasubbu, Assistant Professor, Department of Nanotechnology, SRM Institute of Science and Technology, Kattankulathur.

Registration Link: <https://forms.gle/nc4qn93DMQVVv5fX6>

PARTICIPANTS	FEES (RS.)
Student	1000/-
Research Scholar/ Faculty/ Scientist	1250/-
Industry	1500/-

PAYMENT DETAILS

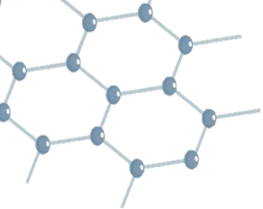
Registration fee can be paid by Demand Draft (DD) in favour of "Hindustan Institute of Technology and Science" payable at Chennai.

For Account Transfer and UPI payments (NEFT, **IMPS, Google Pay, PhonePe**, etc.)

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CONVENER

Dr. B. Vivekanandan,

Associate Professor & HOD,

Department of Chemical Engineering & Biotechnology, HITS

ORGANIZERS

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Ms. Lakshmi Sandeep, AP

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Dr. J. Sakthidasan, AP (SG)

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