



# HINDUSTAN

INSTITUTE OF TECHNOLOGY & SCIENCE  
(DEEMED TO BE UNIVERSITY)

CHENNAI



Dr. K. C. G. Verghese  
Founder Chairman  
1940-2006

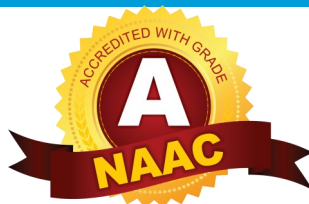
Department of Chemical Engineering  
& Biotechnology

Cordially invites you to the

3-Days Workshop on

**INSILICO DRUG DESIGN  
AND DEVELOPMENT**

**DEC 8-10,  
2021**





## 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 caliber 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 Department was established in the year 2009 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, Polymer Science, Nanotechnology and Environmental Engineering. The Department has well established laboratories along with good infrastructure to carry out research. The Department has a strong desire of forging innovative alliance with industries to achieve academic excellence along with updated training on current professional practices. The Department offers technical expertise for problem solving through institute-industry interaction. The Department also organizes conferences, symposiums, and workshops every year.

## ABOUT THE WORKSHOP

In-silico drug design provides an important lead for the development of new drugs for several diseases. Compared to conventional methods which are time consuming and less logical, new *in silico* approaches based on structure based drug design (SBDD) is rational, evidence based, faster, and more scientific in nature providing newer avenues for novel drug discovery in modern medicine. The aim of this workshop is to create awareness and provide hands-on training to all participants in utilizing recent online and standalone resources for performing SBDD analysis.

## TOPICS TO BE COVERED

- \* Databases for drug discovery
- \* Pharmacophore modeling
- \* Protein structure prediction
- \* Molecular dynamics simulation
- \* Drug target binding kinetics
- \* QSAR (Quantitative Structure-Activity Relationships) online demo
- \* AutoDock tutorial/demo with hands on training

## ELIGIBLE PARTICIPANTS

Interested Students, Research Scholars, and Faculties/Delegates, from Educational Institutions, Universities, Central and State Government Organizations, and Research Institutes. Participants from Industrial establishments are also welcome.

## CHIEF PATRON

**Dr. Mrs. Elizabeth Verghese**, Chancellor

## PATRONS

**Dr. Anand Jacob Verghese** - Pro-Chancellor, HITS.

**Dr. S.N. Sridhara** - Vice-Chancellor, HITS.

**Dr. R.W. Alexander Jesudasan** - Pro-Vice Chancellor, HITS.

**Mr. Ashok Verghese** - Director, HITS.

**Dr. Aby Sam** - Director, HITS.

## STEERING COMMITTEE

**Dr. Pon Ramalingam** - Registrar, HITS.

**Dr. G. Ilavazhagan** - Director (International Affairs), HITS.

**Dr. K. Nandakumar** - Director (Research), HITS.

**Dr. Angelina Geetha** - Dean (E&T), HITS.

## CONVENER

**Dr. B. Vivekanandan** - Associate Professor & HOD, Department of Chemical Engineering, HITS.

## ORGANIZERS

**Dr. Krithika R**, Asst. Prof. (S.G).

**Mrs. Lakshmi Sundeep**, Asst. Prof.

## FACULTY CO-ORDINATORS

**Dr. A. Anitha**, Prof.

**Dr. A. Saravanan**, Assoc. Prof

**Dr. Govindarajan**, AP (SG)

**Dr. R. Sivashankar**, AP (SG)

**Dr. J. Sakthidasan**, AP (SG)

**Dr. R. Anitha**, AP (SG)

**Mr. Vijay Samuel**, AP (SG)

**Dr. J. Sandhya**, AP (SG)

# SPEAKERS

DAY 1: 8 DEC 2021

DAY 2: 9 DEC 2021

DAY 3: 10 DEC 2021

**Dr. G. Dicky John Davis,**

Assistant Professor (Bioinformatics),  
Sri Ramachandra Institute of Higher  
Education and Research.

**Dr. Lipi Thukral,**

Senior Scientist and Assistant Professor,  
CSIR-Institute of Genomics and Integrative  
Biology (IGIB), New Delhi.

**Dr. Mukesh Doble,**

Professor (Biotechnology),  
Indian Institute of Technology, Madras.

**Dr. Shailesh Kumar,**

Staff Scientist III, Bioinformatics Laboratory,  
National Institute of Plant Genome  
Research, New Delhi.

**Dr. M. Xavier Suresh,**

Associate Professor, School of Advanced  
Sciences and Languages,  
VIT Bhopal University.

**Quantitative Structure-Activity  
Relationships - Online Demo**

**Dr. Anshuman Dixit,**

Senior Scientist, Institute of Life Science,  
(An Autonomous Institute of DBT, Govt. of  
India), Bhubaneswar.

**Dr. A. Thirunavukkarasu,**

Assistant Professor, Industrial Biotechnology,  
Government College of Technology,  
Coimbatore.

**Dr. Jagannath Mondal**

Associate Professor,  
Tata Institute of Fundamental Research,  
Hyderabad.

## CONTACT DETAILS

**Dr. B. Vivekanandan**, Convener,  
No.: 1, Rajiv Gandhi Salai (OMR),  
Padur,  
Chennai- 603103,  
Tamil Nadu.  
Email: drugdesignworkshop1@gmail.com

Phone: **Dr. R. Krithika** +91 9384660969

**Mrs. Lakshmi Sundeep** +91 9962699966

## REGISTRATION DETAILS

PARTICIPANTS	FEES ( Rs.)
STUDENT	500
FACULTY/SCIENTIST	750
RESEARCH SCHOLAR	750
INDUSTRY	1000

## REGISTRATION LINK

<https://forms.office.com/r/QbtqJrM44j>

## SCAN FOR REGISTRATION



## PAYMENT DETAILS

Registration fee is to 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.):

ACCOUNT TRANSFER DETAILS	
A/C NAME	HINDUSTAN INSTITUTE OF TECHNOLOGY & SCIENCE
A/C NO	255402000000001
BANK NAME/ BRANCH	INDIAN OVERSEAS BANK/ PADUR
IFSC CODE	IOBA0002554
BRANCH ADDRESS	HINDUSTAN UNIVERSITY CAMPUS POST BOX NO.1, RAJIV GANDHI SALAI OMR, PADUR – 603103
MICR CODE	600020191
STATE	TAMIL NADU