

ABOUT THE INSTITUTION

Sri Venkateswara College of Engineering (SVCE), one of the premier technical Autonomous institution in Tamilnadu, was established in 1985. The College is situated on the Chennai – Bengaluru National Highway (NH4) about 37 km south-west of Chennai. The college offers 10 UG programmes and 10 PG programmes. The National Board of Accreditation accredited many of the eligible programmes, and SVCE is an ISO 9001:2008 certified institution.

DEPARTMENT OF BIOTECHNOLOGY

Sri Venkateswara College of Engineering noted the recent growth in Modern Industrial Biotechnology. In order to support the growth in biotechnology, SVCE started the Department of Biotechnology in 2005 under the guidance of our Chairman Dr. A.C. Muthiah, a well-known Industrialist who understands the strength of Industrial Biotechnology. The Department offers B.Tech and M.Tech Biotechnology program under Anna University, Chennai, approved by AICTE. It is also approved as a Research Center in Biotechnology for MS (by Research) and Ph.D. programs by Anna University, Chennai. The Department has well established laboratory facilities namely Genetic Engineering, Bioprocess, Research Labs, Animal house and Computational Biotechnology Lab.

The Department received Research Grants (1.2 Crore) from various funding agencies such as SERB, ICMR, AICTE, CTS and also several grants (22 Lakh) for organizing Short Term Training courses, Workshops, Faculty Development Programmes from various funding agencies such as DBT, SERB, ICMR, CSIR and EDII.

SVCE has State of the art research facilities such as Research Lab, Animal House, Plant and Animal Tissue Culture Lab, Genetic Engineering Lab, Advanced Bioprocess and Downstream Processing Lab to carryout research in various fields. Students are encouraged to take up Entrepreneurship through Entrepreneurship Development Cell under SVCE-EPIC Scheme.

Scope / Outcome of the Conference

This Conference aims in creating awareness to students about the statistics of the growing bacterial and viral infections and also to expose them to the vast diagnostic and therapeutic urge to find a solution to the infections. By knowing the areas of opportunities available for research they can indulge themselves in making a societal impact by their Research contribution.

Calendar of Events

Day 1

Invited talks from Academicians on

1. Epidemiology of Tuberculosis
2. Immune mechanisms in Filariasis & co-infections
3. Paper presentations

Day 2

Invited talk from Scientists on

1. Diagnosis & Therapy of Viral infections
2. Viral infections of the eye
3. Poster Presentations

Topics for Paper and Poster Presentations

- Molecular infections
- Mechanism of Bacterial and Viral pathogenesis
- Therapies for bacterial and viral infections

Venue and Duration

This two days National Conference is organized at Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu, India during 9th and 10th February, 2018.

Transportation Facility

The participants can avail the SVCE bus facility to attend this conference.

Refer www.svce.ac.in for bus route details.

Accommodation

Participants are requested to make their own arrangements for accommodation in nearby hotels at Sriperumbudur, Tamil Nadu.

Dates to Remember

- Last date for registration by post or e-mail: 31.01.2018
- Last date to send abstract for paper and poster presentation : 01.02.2018
- Intimation of selection of paper/poster: 03.02.2018



“National Conference on “Biology and Therapy of Infections””


**Organized
by
Department of Biotechnology
Sri Venkateswara College of Engineering
Sriperumbudur TK -602117**

Programme Schedule

9th February, 2018	
Time	Events
08.00 AM - 08.50 AM	Registration
08.50 AM - 09.00 AM	Prayer Song
09.00 AM - 09.05 AM	Welcome address by Prof. E. Nakkeeran, Ph. D Professor & Head Department of Biotechnology Sri Venkateswara College of Engineering
09.05 AM - 09.10 AM	Patron’s Address by Prof. S. Ganesh Vaidyanathan, Ph. D Principal Sri Venkateswara College of Engineering
09.10 AM - 09.40 AM	Chief Patron’s Address by Prof. M. Sivanandham, Ph. D Secretary Sri Venkateswara Educational & Health Trust
09.40 AM - 09.42 AM	Welcoming the Chief guest Dr. Srikanth Tripathy Scientist G & Director Incharge National Institute for Research in Tuberculosis
09.42 AM - 09.45 AM	Introducing the Chief guest

09.45 AM - 10.40 AM	Inaugural Address by Dr. Srikanth Tripathy
10.40 AM - 10.50 AM	Tea Break
10.50 AM - 11.45 AM	Guest Lecture by Dr. S. Subash Babu, MBBS., Ph.D Scientific Director, Center for Excellence in Research (NIH) Tuberculosis Research Centre
11.45 AM - 12.30 PM	Lunch Break
12.30 PM - 03.00 PM	Guest Lecture by Dr. Nivedita Chatterjee Senior Scientist Vision Research Foundation, Sankara Nethralaya
01.45 PM - 03.00 PM	Paper Presentation
10th February, 2018	
Time	Events
09.30 AM - 11.00 AM	Guest Lecture by Dr. Navin Khanna Group Leader, Recombinant Gene Products Laboratory International Centre for Genetic Engineering and Biotechnology
11.00 AM - 11.15 AM	Tea Break
11.15 AM - 12.15 PM	Poster Presentation
12.15 PM - 01.00 PM	Lunch Break
01.00 PM - 01.10 PM	Valedictory Function Welcoming the Chief guest Prof. S. Ganesh Vaidyanathan, Ph. D with Bouquet
01.10 PM - 01.15 PM	Introducing the Chief guest
01.15 PM - 2.15 PM	Valedictory address by Prof. S. Ganesh Vaidyanathan, Ph. D Principal Sri Venkateswara College of Engineering
02.15 PM - 02.35 PM	Certificate distribution to the participants by the Chief guest
02.35 PM - 02.45 PM	Feedback from the participants
02.45 PM - 02.55 PM	Vote of Thanks
02.55 PM - 03.00 PM	NATIONAL ANTHEM

Fandi Prabha


Prof. E. NAKKEERAN, M. Tech., Ph.D.
Professor & Head
Department of Biotechnology
Sri Venkateswara College of Engineering
Chirambudur Tl: - 602 117, Tamil Nadu, INDIA

Attendance National conference on Biology and Therapy of infection held on 9th & 10 Feb 2018

Sl. no.	Name	Year and College	9th Feb 2018	10th Feb 2018
1	Bharathi Krishnan A	III Yr B. Tech , Madha Engineering College	/	/
2	Vigneshwaran S	III Yr B. Tech , Madha Engineering College	/	A
3	Preetha Raj R	III Yr B. Tech, REC	A	/
4	Prarthna G B	III Yr B. Tech, REC	/	/
5	Nivedha S	III Yr B. Tech, REC	/	/
6	Preetha R	III Yr B. Tech, REC	/	/
7	Pujita V	III Yr B. Tech, REC	/	/
8	Rashmi Sridharan	B. Tech, REC	/	A
9	Sreshstta R	B. Tech, REC	/	/
10	Koushik G	B. Tech, REC	/	/
11	Jeyashree A	B. Tech, REC	/	/
12	Aparna K	III Yr B. Tech, REC	/	/
13	Anirudh Natarajan	III Yr B. Tech, REC	A	/
14	Yuvaranjini N B	B. Tech, REC	/	/
15	Sindu K B	B. Tech, REC	/	/
16	Hemanathan V	B. Tech, REC	/	A
17	Hema Lekshmi V	B. Tech, REC	/	/
18	Kaavya G	B. Tech, REC	/	/
19	Lakshmi Priya N	B. Tech, REC	A	/
20	Anand S	B. Tech, REC	/	/
21	Suchithra S B	B. Tech, REC	/	/
22	Dhivya Roja E	B. Tech, REC	/	A
23	Abhinaya R	B. Tech, REC	/	/
24	Sriram K	M. Tech, REC	A	/
25	Siva Punitha	M. Tech, REC	/	/
26	Subikshaa S	B. Tech, REC	/	/
27	Preethy K R	Asst. Professor, St. Joseph's College of Engineering	/	/
28	Punnaivalavan K A	B. Tech, St. Joseph's College of Engineering	/	A
29	Karthik C	Asso. Professor, St. Joseph's College of Engineering	/	/

30	Kokilavani R	M. Tech, St. Joseph's College of Engineering	A	/
31	Abirami K	M. Tech, SVCE	/	/
32	Esther Keziah N	M. Tech, SVCE	/	/
33	Hariharan S	M. Tech, SVCE	/	/
34	Jagadeesh M	M. Tech, SVCE	/	A
35	Janani M	M. Tech, SVCE	/	/
36	Keerthana C	M. Tech, SVCE	/	/
37	Madhumathi V	M. Tech, SVCE	/	/
38	Madhumitha B	M. Tech, SVCE	A	A
39	Ranjith Kumaran R	M. Tech, SVCE	/	/
40	Rini J L	M. Tech, SVCE	/	/
41	Sadhana s	M. Tech, SVCE	/	/
42	Punithavathi A	M. Tech, SVCE	/	/
43	Helen A	Research Scholar, SVCE	A	/
44	Sharan R	B. Tech, SVCE	/	A
45	Varshini Jayakanth	B. Tech, SVCE	/	/
46	Suhitha Muppala	B. Tech, SVCE	/	/
47	Sudeepthi N	B. Tech, SVCE	/	/
48	Ananta Kumar V R	B. Tech, SVCE	/	/
49	Vidhya Shree R	B. Tech, SVCE	A	/
50	Umayaval S	B. Tech, SVCE	/	/
51	Valle N	B. Tech, SVCE	/	/
52	Risha v	B. Tech, SVCE	/	A
53	Maheswari M	B. Tech, SVCE	/	/
54	Pavithra H S	B. Tech, SVCE	/	/
55	Bhavithavya G	B. Tech, SVCE	/	/

Fandi Prabha



Prof. E. NAKKEERAN, M. Tech., Ph.D.
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National Conference on Biology and Therapy of Infections

India has high incidence of diseases like malaria, tuberculosis, HIV, Dengue and chikungunya and leads to substantial deaths annually. According to the WHO statistics on diseases (Report 2017) globally, 2.1 million people were estimated to have become newly infected with HIV in 2015, representing a rate of 0.3 new infections per 1000 uninfected people. The number of global deaths in 2015 attributable to hepatitis is estimated to be in the order of 1.3 million. Similarly in 2015, there were an estimated 212 million malaria cases globally, translating into an incidence rate of 94 per 1000 persons at risk – a 41% decrease from the rate in 2000. Tuberculosis (TB) remains a major global health problem, despite being a treatable and curable disease. In 2015, there were an estimated 10.4 million new TB cases and 1.4 million TB deaths, with an additional 0.4 million deaths resulting from TB among HIV-positive people. This finding highlights the persistence of large inequities in access to high-quality diagnostic and treatment services.

Viral diseases range from trivial infections to plagues that alter the course of history. Because of the enormous variations in viruses and in their epidemiology and pathogenesis, there is no single, magic-bullet approach to control. The most spectacular progress so far has involved vaccines. Vector control and sanitation have contributed greatly. Also, a number of therapeutic antiviral agents are now available, including some for very serious infections such as human immunodeficiency virus type 1 (HIV-1) infection. In addition, interferon alpha is now available for the therapy of several viral diseases. Advances in biotechnology, i.e., recombinant DNA-derived subunit vaccines, now serve as the cornerstone for a fourth generation of vaccines and have led to the development and licensure of a recombinant hepatitis B vaccine. In addition, exciting new technologies such as polynucleotide vaccines are now being tested in animal studies for several viral diseases.

The past success with developing highly effective viral vaccines has been considerable. To develop a new vaccine, researchers must first identify and then produce the virus (or virus components) in quantity under circumstances acceptable for vaccine preparation.

Research is under way to develop the next generation of vaccines, including one that could prevent 90 percent of cervical cancers worldwide. In the early 1990s, two research groups—including one led by Drs. Lowy and Schiller, and another laboratory supported by NCI grants—independently discovered that the proteins that form the outer shell of HPV could form particles that closely resemble the original virus and create high levels of potentially protective antibodies but are not infectious because they lack the viral genes. These virus-like particles became the basis of several subsequent HPV vaccines, including Gardasil®, Cervarix®, and Gardasil® 9. All three vaccines are approved for the prevention of cervical cancer and other conditions caused by certain types of HPV.

However, there are still important indications for which there is no effective vaccine. From a public health perspective an important example for which there is no effective vaccine available is human immunodeficiency virus type 1 (HIV-1). The improved basic science knowledge base of

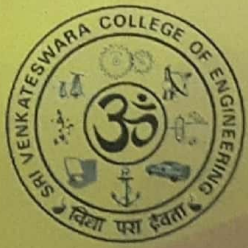
At the end of the day, the valedictory Function was started with introduction of Chief Guest by Prof. R. B. Narayanan the Organizing Secretary of the event. The Chief Guest, Dr. S. Swaminathan, Expert Virologist Recombinant Gene Products Laboratory, International Centre for Genetic Engineering and Biotechnology, New Delhi encouraged and motivated the students to involve in research and shared his experience as a successful research scientists.

Feed -back on outcome of workshop was received from the participants both orally and through procedure form and requested their recommendations and plan of action for future studies. Ninety percentages (90%) of the participants from other institutions congratulated the workshop organizing team members for proper organization of the conference. They appreciated the effort of workshop team members to make the participants to know about the Infectious diseases like Dengue, TB etc., and opportunities available to fight against those deadly pathogens. Finally the certificate was distributed to the participants by the Chief Guest followed by Vote of Thanks by Ms. N. Kanagam, the Coordinator of the workshop. She thanked the National funding agency namely ICMR- New Delhi for their grant support as sponsorship to conduct this workshop a grand success. Finally the programme was ended with National Anthem song.

Pandi Prabha



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DEPARTMENT OF BIOTECHNOLOGY

NATIONAL CONFERENCE ON BIOLOGY AND THERAPY OF INFECTIONS

SPONSORED BY ICMR, NEW DELHI

This is to certify that Dr./Mr./Ms. GANDAVARAM BHAVITHAVYA..... of
SRI VENKATESWARA COLLEGE OF ENGINEERING..... has
participated in the National Conference on Biology and Therapy of Infections,
held on 9th & 10th February 2018.

DR. R.B. NARAYANAN
ORGANISING SECRETARY

DR. E. NAKKEERAN
HEAD OF DEPARTMENT

DR. S. GANESH VAIDYANATHAN
PRINCIPAL



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DEPARTMENT OF BIOTECHNOLOGY

NATIONAL CONFERENCE ON
BIOLOGICAL THERAPY
INFECTION
NEW DELHI
JANUARY 20

DEAN (CO-CURR), SVCE
PROF.R.B.NARAYANAN

DR.G.NARENDRAN
DY.DIRECTOR, NIRT

SECRETARY, SVEHT
PROF.M.SIVANANDHAM

PRINCIPAL, SVCE
PROF.S.GANESH VAIDYANATHAN

HEAD OF DEPARTMENT
Dr. E. NAKKEERAN



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DEPARTMENT OF BIOTECHNOLOGY

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