

DBT- New Delhi, Govt of India Sponsored
National Workshop on
Contemporary Research in Genetic Engineering
September 9th and 10th, 2016

REGISTRATION FORM

1. Name :
2. Designation :
3. Participant Category :
(Student/ Faculty/Industry person)
4. Name of the Institution/Organization:
5. Address for Correspondence:
6. Telephone No:
7. E-mail ID:
8. Academic Qualifications:
9. Experience (in years):
(Teaching / Research / Industry)
10. Registration fee:
Demand draft No: _____ Date: _____

Declaration:

I agree to abide by the rules and regulations of the course.

Signature: _____

BONAFIDE CERTIFICATE

Dr./Mr./Ms. _____ is a bonafide staff/student of _____. She/he is permitted to attend the DBT- New Delhi, Govt of India Sponsored National Workshop on “Contemporary Research in Genetic Engineering” on 9th and 10th, September, 2016 at Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur, Tamil Nadu - 602 117.

Date: _____ Signature
(Designation & Seal)

REGISTRATION FEE

- Students : Rs.500
- Faculty : Rs.750
- Industries: Rs.1000

Participants are requested to register with DD in favor of “The Principal, SVCE” payable at Indian Bank, Sriperumbudur. Individuals are requested to register by 31st August, 2016. Filled in registration forms along with the bonafide certificate should be emailed to crge2016@svce.ac.in or sent by post to the following mailing address on or before 31st August, 2016. The participants for the workshop are limited to 40. Therefore, advance registration is highly recommended.

MAILING ADDRESS

Dr. S. Prabhu,
Associate Professor,
Department of Biotechnology,
Sri Venkateswara College of Engineering
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SRI VENKATESWARA COLLEGE OF ENGINEERING



AUTONOMOUS INSTITUTION
Affiliated to Anna University, Chennai
An ISO 9001: 2008 certified Institution
Accredited by NBA, New Delhi

DBT- NEW DELHI
GOVT OF INDIA



SPONSORED

National Workshop on Contemporary
Research in Genetic Engineering
September 9th and 10th, 2016

Conveners

Prof. M. Sivanandham
Prof. E. Nakkeeran

Organizing Secretary

Dr. S. Prabhu

Coordinators

Mr. P.K. Praveen Kumar
Mr. D. Suresh Kumar
Mr. T. Ilavarasu

Organized by

Department of Biotechnology
Sri Venkateswara College of Engineering
Pennalur, Sriperumbudur-602117,
Tamil Nadu, India

<http://www.svce.ac.in>

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 programme under Anna University, Chennai, approved by AICTE. It is also approved as a Research Center in Biotechnology for MS (by Research) and Ph.D. programmes by Anna University, Chennai. The Department has well established laboratory facilities namely Genetic engineering, Bioprocess, Research Labs, Animal house and Computational Biotechnology Lab.

PROGRAMME OBJECTIVES

Genetic engineering techniques have been applied in numerous fields including research, agriculture, industrial biotechnology, and medicine. Using genetic engineering techniques one can transform microorganisms such as bacteria or yeast, or transform cells from multicellular organisms such as insects or mammals, with a gene coding for a useful protein, such as an enzyme, so that the transformed organism will overexpress the desired protein. One can manufacture mass quantities of the protein by growing the transformed organism in bioreactor equipment using techniques of industrial fermentation, and then purifying the protein. Therefore the overall goal of the workshop is to understand the recent advanced techniques in genetic engineering field to synthesize and assess the recombinant Products. Keeping in view of the educational and research need, this programme is focused to impart theoretical knowledge through seminars by pioneers in the field of Genetic Engineering and impart practical knowledge on various advanced experiments at molecular biology and genetic engineering level through series of hands-on- sessions.

Through this training programme, the participants will able to perform genetic engineering techniques independently and interact with the experts in the related field.

WORKSHOP CONTENT

Major areas of the workshop include:

1. Preparation of Genomic and Plasmid DNA
2. Restriction Enzyme Digestion and, Electrophoresis Assay
3. Primer designing, PCR Techniques and Preparation of Recombinant DNA
4. Transformation and Recombinant Expression Analysis

VENUE AND DURATION

This two-day workshop is organized at Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu, India, on 9th and 10th September, 2016.

TRANSPORTATION FACILITY

The participants can avail the SVCE bus facility from and to the city to attend this workshop. Refer www.svce.ac.in for bus route details.

ACCOMMODATION

No accommodation facility is available in the college premises or college hostel. Participants are requested to make their own arrangement for accommodation in nearby hotels at Sriperumbudur.

DBT-Govt. of India & ICMR- New Delhi
Sponsored
National Workshop on “Contemporary Research in Genetic Engineering”

Organized
By
Department of Biotechnology
Sri Venkateswara College of Engineering
Sriperumbudur-602117

Programme Schedule

09th September, 2016

Time	Events
8.00 AM - 9.00 AM	Registration
9.00 AM - 9.05 AM	Prayer Song
9.05 AM - 9.10 AM	Welcome address by Prof. E. Nakkeeran, Ph. D Professor & Head Department of Biotechnology Sri Venkateswara College of Engineering
9.10 AM - 9.20 AM	Presidential Address by Prof. S. Ganesh Vaidyanathan, Ph. D Principal Sri Venkateswara College of Engineering
9.20 AM- 9.22 AM	Welcoming the Chief guest with Bouquet Lighting the Kuthuvillakku & Releasing the Workshop manual by Chief guest
9.22 AM -9.25 AM	Introducing the Chief guest by Dr. S. Prabhu Associate Professor Department of Biotechnology Sri Venkateswara College of Engineering
9.25 AM-10.00 AM	Inaugural Address by Chief guest Prof. S. Meenakshi Sundaram, Ph. D Director, Centre for Food Technology & Professor, Centre for Biotechnology Anna University, Chennai 600025 A Technical Talk on “Cloning and Expression of <i>Pichia pastoris</i>”
10.00 AM – 10.10 AM	Honoring the Chief guest with Memento
10.10 AM – 10.30 AM	Tea Break
10.30 AM – 11. 15 AM	Lecture I Optimizing the plasmid system for overexpression of recombinant protein Technical Talk by Dr. N Ayyadurai Senior Scientist, Department of Bio-Technology CSIR-Central Leather Research Institute Adyar, Chennai – 600 020

11.15 AM- 12.00 PM	<p align="center">Lecture II Evolution of Genetic Engineering: A boon to applied Technology Technical Talk by Dr. S. Ashok Kumar Assistant Professor Centre for Biotechnology, Anna University, Chennai – 600 025</p>
12.00 PM – 12.45 PM	Lunch Break
	Hands on Sessions – I/II Total 2 Sessions 150 minutes for 2 sessions: 75 Minutes/Session 30 Candidates/Session
12.45 PM – 02.00 PM ----- 02.00 PM - 03.15 PM	<p align="center">Hands on Session – I Preparation of Genomic and Plasmid DNA Training by Mrs. V. Sumitha Associate Professor Department of Biotechnology, SVCE</p>
12.45 PM – 02.00 PM ----- 02.00 PM - 03.15 PM	<p align="center">Hands on Session – II Restriction Enzyme Digestion and Electrophoresis Training by Mr. J. Hariharan Assistant Professor Department of Biotechnology, SVCE</p>
10th September, 2016	
Time	Events
	Hands on Sessions – III/IV Total 2 Sessions 120 minutes for 2 sessions: 60 Minutes/Session 30 Candidates/Session
08.30 AM - 09.30 AM ----- 09.30AM - 10.30 AM	<p align="center">Hands on Session – III Primer design Training by Mr. P. K. Praveen Kumar Assistant Professor Department of Biotechnology, SVCE</p>
08.30 AM - 09.30 AM ----- 09.30AM - 10.30 AM	<p align="center">Hands on Session – IV PCR Techniques Training by Mr. J. Hariharan Assistant Professor Department of Biotechnology, SVCE</p>
10.30 AM - 10.45 AM	Tea Break
10.45 AM –12.00 PM ----- 01.00 PM- 02.15 PM	<p align="center">Hands on Session – V Preparation of Recombinant DNA and Transformation Training by Mr. T. Ilavarasu Assistant Professor Department of Biotechnology, SVCE</p>
12.00 PM- 01.00 PM	Lunch Break
10.45 AM –12.00 PM ----- 01.00 PM- 02.15 PM	<p align="center">Hands on Session – VI Recombinant Expression Analysis Training by Mr. N. Sathish Assistant Professor Department of Biotechnology, SVCE</p>
02.15 PM - 02.45 PM	Tea Break

TIME	Valedictory Function Events on 10 th September, 2016
02.45 PM- 02.47 PM	Welcoming the Chief guest with Bouquet
02.47 PM -02.50 PM	<p style="text-align: center;">Introducing the Chief guest by Mr. P. K. Praveen Kumar Assistant Professor Department of Biotechnology Sri Venkateswara College of Engineering</p>
02.50 PM-03.15 PM	<p style="text-align: center;">Valedictory address by Chief guest Prof. P. Karthee, Ph. D Director, Dr. A.L.M Centre for Basic Medical Sciences Development Head, Department of Crystallography and Biophysics University of Madras Guindy Campus, Chennai-600025</p>
	<p style="text-align: center;">Honoring the Chief guest with Memento</p>
	<p style="text-align: center;">Certificate distribution to the participants by Chief guest</p>
03.15 PM – 03.20 PM	<p style="text-align: center;">Feedback from the participants</p> <p style="text-align: center;">Chaired by Prof. E. Nakkeeran, Ph. D Professor & Head Department of Biotechnology Sri Venkateswara College of Engineering</p>
03.20 PM – 03.25 PM	<p style="text-align: center;">Vote of Thanks by Dr. S. Prabhu Associate Professor Department of Biotechnology Sri Venkateswara College of Engineering</p>
03.25 PM – 03.30 PM	<p style="text-align: center;">NATIONAL ANTHEM</p>

S. Prabhu



Prof. E. NAKKEERAN, M. Tech., Ph.D.
Professor & Head
Department of Biotechnology
Sri Venkateswara College of Engineering
Cripurumbudur Tk - 602 117, Tamilnadu, INDIA

**Report of National Workshop on
'Contemporary Research in Genetic Engineering' held on 9th & 10th September 2016**

The Department of Biotechnology, SVCE conducted the National Workshop on 'Contemporary Research in Genetic Engineering' sponsored by DBT & ICMR- New Delhi on 9th & 10th September 2016.

The registration was started at 8.00 am on 09th September 2016. Totally 66 external participants registered for this National workshop from various colleges of Tamilnadu. The inaugural function was started with a prayer song at 9.00 pm. Prof. E. Nakkeeran, Head of the Department of Biotechnology, Sri Venkateswara College of Engineering gave a welcome address and it was preceded by presidential address by the College Principal of Prof. S. Ganesh Vaidyanathan.

The Organizing Secretary, Dr. S. Prabhu, Associate Professor, Department of Biotechnology introduced the chief guest Prof. S. Meenakshisundaram, Director of Centre for Food Technology & Professor of Centre for Biotechnology, Anna University, Adyar, Chennai, for the inaugural function. The inaugural function was started with lighting the lamp and the workshop manual was released by the chief guest. He gave an inaugural address and a technical talk on "Cloning and expression of *Pichia pastoris*". After the inaugural programme, two more technical talks were given by Dr. N. Ayyadurai, Senior Scientist Department of Bio-Technology, CSIR-Central Leather Research Institute, Adyar, Chennai on "Optimizing the plasmid system for overexpression of recombinant protein" and Dr. S. Ashok Kumar, Assistant Professor, Centre for Biotechnology, Anna University Adyar, Chennai on "Evolution of Genetic Engineering: A boon to applied technology".

After the two technical talks on morning session, the participants were served with lunch. After the lunch break, the hands on training on Preparation of Genomic and Plasmid DNA and Restriction Enzyme Digestion and Electrophoresis were started at 1.00 pm. The above two training were given to the participants as parallel sessions by two faculty members of Department of Biotechnology. Then the hands on training were completed at 4.00 PM.

On 10th September 2016, the hands on training on "Primer design" and "PCR Technique" were started in the morning as parallel sessions by other two department faculty members. After the lunch break, the two more hands on training on "Preparation of Recombinant DNA and Transformation" and "Recombinant Expression Analysis" were trained to the participants as parallel sessions.

Photos captured during the event



After the training session was completed, the valedictory function was started at 2.45 PM. For valedictory address, Prof. P. Karthec, Ph. D., Director, Dr. A.L.M Centre for Basic Medical Sciences & Prof of Department of Crystallography and Biophysics, University of Madras, Guindy Campus, Chennai, was invited as the chief guest. He gave a brief valedictory address on the current status of research practice by the students. He explained the participants about the importance of research publications, patents and fellowships for the research career. After his valedictory address, the feedbacks from the participants were received both orally and through the forums about technical sessions and hands trainings on two days. Then the certificates were distributed to the participants. The organizing secretary Dr. S. Prabhu, Associate Professor delivered a vote of thanks. The organizing secretary whole heartedly thanked the two National funding agencies namely DBT & ICMR- New Delhi, for the financial grant sanctioned to organize this workshop for two days. He also thanked the college management for their encouragement and the participants for their keen interest to participate in this workshop. Then the programme was ended with National Anthem by 3.30 pm. Then the photo session was arranged for the participants along with resource person, and faculty members.

S. Prabhu



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