



**JSS ACADEMY OF HIGHER EDUCATION & RESEARCH, MYSURU**

(DEEMED TO BE UNIVERSITY- ACCREDITED 'A+' GRADE BY NAAC)

**JSS COLLEGE OF PHARMACY, OOTY**

(ISO 9001:2015 CERTIFIED)

**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION & RESEARCH, NEW DELHI**

Sponsored

**QUALITY IMPROVEMENT PROGRAMME (QIP)**

on

**PROSPECTIVE APPROACH ON ADVANCED BIOTECHNOLOGY, CELL CULTURE  
AND BIOINFORMATICS IN MODERN RESEARCH**

**1<sup>st</sup> – 14<sup>th</sup> March 2019**

**Venue: Dept. of Pharmaceutical Biotechnology, JSS College of Pharmacy, Ooty**

**PROGRAM REPORT**

**ORGANIZED BY**

**Department of Pharmaceutical Biotechnology**

**JSS College of Pharmacy, Ooty**

**Report on**  
**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION & RESEARCH (AICTE),**  
**NEWDELHI**

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**Date: 1<sup>st</sup> – 14<sup>th</sup> March 2019**

**Venue: Dept. of Pharmaceutical Biotechnology, JSSCoP**

**Program Organized By:**

**Program Report Submitted By:**

**Dept. of Pharm. Biotechnology**  
**JSS College of Pharmacy**  
**Ooty**

**Dr. Ashish Wadhvani**  
**Assistant Professor & Head,**  
**Dept. of Pharm. Biotechnology**  
**Program Co-Ordinator**

**DAY 1 (1<sup>st</sup> March 2019)**

All India Council for Technical Education (AICTE), New Delhi sponsored Quality Improvement Program on Prospective Approach on Advanced Biotechnology, Cell culture and Bioinformatics in Modern Research was inaugurated by the President of the function Dr. C.G Betsurmth, Executive Secretary, JSS Mahavidyapeetha, Mysuru. Dr. Smita Kulkarni, Scientist F and Deputy Director, National AIDS Research Institution (NARI), ICMR, Pune; Dr.K.Bangarurajan, Joint Drugs Controller, CDSCO, New Delhi; Dr. Hiriyan Ravikumar, Joint Director of Health Services, The Nilgris; Dr. Easwaramurthy, Principal, Govt. Arts College, Ooty; Dr. Srinivas Reddy, Managing Director, TANTEA, Ooty; Prof. K. Chinnaswamy, President, Indian Association of Colleges of Pharmacy, Chennai were the guests of honor. Dr. B Suresh, President- Pharmacy Council of India, New Delhi & Vice Chancellor, JSS Academy of Higher Education and Research, Mysuru was the chief guest of the program and provided keynote address. During his keynote address, he emphasized about the importance and objectives of continuing education for the pharmacy professionals and different pedagogies to be used for the teaching of pharmacy students.

Dr. Ashish D Wadhvani, Program Coordinator of the QIP program briefed about the objectives of the program such as:

- To expose and train academic practitioner(s) and teachers with advanced and state of the art techniques enabling them to carry out research in frontier area of science and technology.
- To provide a solid understanding of modern biotechnology, cell culture and bioinformatics through expert presentations and hands on wet and dry lab training.
- To help the participants to gain experience through integrated learning methods, utilizing hands on training to reinforce lecture material, participants will learn the biological basis and relevance of the process of culturing cells and 3D cultures.
- To give participants a combination of lecture and hands on laboratory experience using RT-PCR methods and bioinformatics tools.
- Participants will gain experience using DNA binding dyes and hydrolysis probe chemistries as well as 2 plex real-time PCR.
- Lectures will include an overview of gene expression, drug design and optimization, template preparation, analysis of results, additional applications of advanced bio technology, and more.

Dr. Wadhvani also emphasized on hands on teaching and learning on all the experiments scheduled for the fourteen days long program and requested the participants to translate the knowledge they gain to their parent institutions.

Dr. S.P Dhanabal, Principal, JSS College of pharmacy, Ooty thanked all the participants for their interest to participate in the program.

Immediately after inauguration the program started with the keynote address by Dr. Smita Kulkarni. Dr. Ashish Wadhvani, Program Co-Ordinator welcomed all the participants and congratulated them for their decision on attending the program and being part of this learning process.

### **Valedictory Function**

The informal valedictory function was organized in department itself. Dr. P. Vijayan, Retired Scientist of Department of Biotechnology, New Delhi and Professor Emeritus of Department of Pharmaceutical Biotechnology, JSS College of Pharmacy, Ooty was the chief guest of the function. In this chief guest address Dr. Vijayan shared his 4 decades of experience working with *in vitro* system and cell culture technology. He also mentioned about his experience working at Pasture Institute, Coonoor way back in 1964 and also on his experience on established Department of Pharmaceutical Biotechnology at JSS College of Pharmacy, Ooty.

The participants were requested to give their feedback on the program where most of the participants appreciated the practical sessions and hands-on training provide during the course of the program and the support received from department PG students.

The certificates were distributed to the participants by the chief guest and the program ended with vote of thanks by Dr. Ashish Wadhvani, Co-Ordinator of the program.

## Feedback Analysis of the participants

For betterment and self-assessment, the feedback was collected from all the participants. The consolidated report of the feedback is given below.

The feedback form is focused on,

- Objectives of the program
- Quality of lectures
- Quality of practical training
- Hospitality
- Boarding and Lodging
- Time management
- Remarks about the future topics proposed
- Other additional suggestions

The information gathered through the feedback form is to ensure that the needs of the participants were fulfilled and to understand the changes to be made in the services provide in forthcoming programs to be organized.

According to the feedback,

- All the participants of the program stated that the program was well organized
- Most of the participants found the speaker's knowledge and interaction with the audience excellent.
- Maximum of the participants stated that they would recommend the session to others.
- Most of the participants found the sessions of *In vitro* cell line study, anti-viral, HET CAM assay, bioinformatics, peptide nucleic acid, design of experiments particularly to be more informative and interactive.
- The most common suggestion on topics for further workshop were molecular biology techniques like western blotting, bioinformatics session can be given more time.
- 50% of the participants found the food provided during the program was good.
- Maximum of the participants appreciated the support and assistance by students of the department and the laboratory staff.