



**All India  
Council for Technical Education (AICTE)**

**SPONSORED**

**SHORT TERM TRAINING PROGRAMME (STTP)**

**ON**

**Hands on Training on  
Cell and Tissue culture based Bioactivity Assessment**

**Organized by**

**Internal Quality Assurance Cell (IQAC)**

**Bharati Vidyapeeth**

**College of Pharmacy, Kolhapur**



**Links for Registration**

**Phase I:** 30<sup>th</sup> August - 04<sup>th</sup> September 2021

<https://forms.gle/77NBp4dVXxFTHXUR9>

**Phase II:** 20<sup>th</sup> September - 25<sup>th</sup> September 2021

<https://forms.gle/Zs7XK6ngjm5AszNNA>

**Phase III:** 04<sup>th</sup> October – 09<sup>th</sup> October 2021

<https://forms.gle/ADVaUC2FiNxeJBai8>

**ABOUT SHORT-TERM TRAINING PROGRAM**

Cell culture technology has become an indispensable part of molecular biology and biomedical research. Its applications range from cancer research, toxicology, drug discovery and screening, virology, genetic engineering to name a few. With the advent of growing career options in biomedical and pharmaceutical sector in collaboration with academia, a formal training in this area is necessary for the faculties.

The training programme aims at imparting hands-on training in animal cell culture-based assays to help the young faculties in practicals and research work. The programme is emphasized on virtual practical training along with theoretical lectures on cell culture and cancer biology by eminent scientists in the country.

This program is designed to equip the faculties with the requisite scientific competency to understand and address the aspects related to cell culture in the process of pharmacokinetic profiling alternative to animal experimentation.

Proposed short term training program will cater to the interdisciplinary needs of both the pharma and technical professionals who wish to indulge in acquiring knowledge and skill sets for utilizing enzyme, cell and tissue culture-based assays as a tool to study pharmacokinetics, drug design and development.

**TARGET AUDIENCE**

Faculty from Pharmaceutics, Pharmaceutical Chemistry, Quality Assurance, Pharmacology, Pharmaceutical Analysis and Pharmacognosy.

**OBJECTIVES**

To meet the demand of cell culture experimentation at institute level and its usefulness in pharmaceutical industries the set objectives shall enable/create

- A platform to understand cell handling, cell cryopreservation and revival, contamination of cell lines with utmost care.
- Selection of cell lines during metabolic and therapeutic studies.
- Learn to correlate theoretical aspects of cytotoxicity screening by in-vitro and its correlation to in-vivo levels.
- Understanding and development of 2D and 3D cell culture models to study pharmacokinetic profiling studies alternative to animal studies.
- Virtual demonstration of bioactivity assessment protocols using cell and tissue based models.

**COURSE OUTCOMES**

- STTP is aimed at providing insights into novel and recent trends in cell and tissues culture based biological activity and toxicity assessment as an alternative to animal experimentation.
- Pharmacokinetics, metabolic and toxicity testing using chromatographic techniques will be highlighted.
- Programme will highlight issues on cell culture handling, maintenance and revival, cytotoxicity screening of drugs, industrial issues in relation to cell culture contamination.
- Faculty will gain technical expertise through virtual demonstrations simulating “**Hands on training on cell and tissue culture based bioactivity assessment**”.

# BHARATI VIDYAPEETH COLLEGE OF PHARMACY, KOLHAPUR

Bharati Vidyapeeth College of Pharmacy, Kolhapur was established in the year 1996 with a vision to impart quality education and training at par with international standards. It is a premier institution in Western Maharashtra where discipline is principle, performance is habit and success is a journey.

- Offers Diploma, Bachelors, Masters (Pharm. Chemistry, Pharmaceutics and Pharm. Quality Assurance) and Doctoral programs of study in Pharmaceutical Sciences.
- B. Pharmacy course is re-accredited by NBA.
- Ranked 62<sup>nd</sup> in India by NIRF (2020), Ministry of Human Resource Development, Government of India and consecutively five times the institute has been in NIRF ranking.
- Lead College of Shivaji University, Kolhapur with permanent affiliation and inclusion in UGC 2(f) & 12(B).
- Common facility center and laboratories equipped with major equipments worth about Rs. 3 crore.
- Rich and updated library with e-library (books worth Rs. 81 Lakhs).
- Registered college alumni contributing to develop pharmacy profession.

## Organizing Committee

### Patron

**Dr. H. M. Kadam**

Regional Director,  
Bharati Vidyapeeth, Pune

### Co-ordinator

**Dr. M. S. Bhatia**

Vice Principal  
HOD, Dept. Pharma. Chemistry

### Principal

**Dr. H. N. More**

Bharati Vidyapeeth College of  
Pharmacy, Kolhapur

## Contact Co-coordinators at

**Mr. R. P. Dhavale**

+91-9765929378

**Dr. P. B. Choudhari**

+91-9860245617

**Mr. D. V. Mahuli**

+91-9975643394

**Mr. G. G. Gadgil**

+91- 9822462295

Email id: [sttpbvcpk2021@gmail.com](mailto:sttpbvcpk2021@gmail.com)



### Address

Bharati Vidyapeeth College of Pharmacy,  
Near Chitranagri, Kolhapur, PIN-416013,  
Maharashtra.

Website: [copkolhapur.bharativedyapeeth.edu](http://copkolhapur.bharativedyapeeth.edu)

### Vision:

*Evolve as an Aspirational Learning Institute for Grooming Youth  
to be Competent and Society Caring Pharmacy Professionals*

## Resource Persons

<b>Dr. Akhilesh Mishra</b>	Director, Interactive Research School for Health Affairs (IRSHA), Bharati Vidyapeeth, Pune
<b>Dr. Satish Bhise</b>	Director, ArogyaLabh Foundation, Pune
<b>Dr. Jayant Khandare</b>	Managing Director and Chief Scientific Officer (CSO), Actorius Innovations and Research Pvt. Ltd., Pune
<b>Dr. Chandragouda Patil</b>	Professor, Delhi Institute of Pharmaceutical Sciences and Research, New Delhi
<b>Dr. Dadasaheb Kokare</b>	Professor, Dept. of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
<b>Dr. Ruchika Kaul-Ghanekar</b>	Associate Professor and Head, Cancer Research Lab, IRSHA, Bharati Vidyapeeth, Pune
<b>Dr. Ajay Pillai</b>	Head, Project Management Cell, National Centre for Cell Science, Pune
<b>Dr. Rahul Pathak</b>	Senior Manager – Strategy Medical Affairs, Transplantation, Immunology and Oncology, Panacea Biotech, Pharma Limited, New Delhi
<b>Dr. Shashikant Dhawale</b>	Professor, School of Pharmacy, S.R.T.M. University, Nanded
<b>Dr. Mangesh Suryawanshi</b>	Principal Investigator, SERB-NPDF Project, Yenepoya Deemed to be University, Mangalore
<b>Dr. Kundan Ingale</b>	Application Scientist, Novalead Pharma, Pune
<b>Dr. Anup Kulkarni</b>	Director, iBIO Solutions, Mumbai
<b>Dr. Indumathi Somasundaram</b>	Assistant Professor and Head, Stem Cell & Regenerative Medicine, D.Y. Patil University, Kolhapur
<b>Dr. Mahendra Jamdhade</b>	Postdoctoral Research Fellow, National Centre for Microbial Resource-National Centre for Cell Science (NCMR-NCCS), Pune
<b>Dr. Sachin Salunkhe</b>	Business Development Manager, DKSH India, Pvt., Ltd. Mumbai
<b>Dr. Sandip Patil</b>	Managing Director, Biocyte Institute of Research and Development Pvt. Ltd., Sangli
<b>Dr. Sandip Satpute</b>	Associate Professor, Dept. of Biochemistry, Government Medical College, Miraj, Maharashtra.
<b>Dr. Pravin Patil</b>	Associate Professor and HOD, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur
<b>Dr. Ennus Tamboli</b>	Associate Professor, Annasaheb Dange College of B Pharmacy, Ashta

### Guidelines for Participants:

- Registration is open to faculty members of AICTE approved institutions.
- STTP will be conducted in Online mode.
- Registered participants of STTP should have good internet connectivity and other audio-visual facilities.
- Course registration is free.
- On completion of the program an assessment of all participants will be conducted.
- Certificate of the programme will be issued only to those participants who have -
  1. Attendance of 80% or more,
  2. Assessment score of 60% or more,
  3. Filled the feedback form.