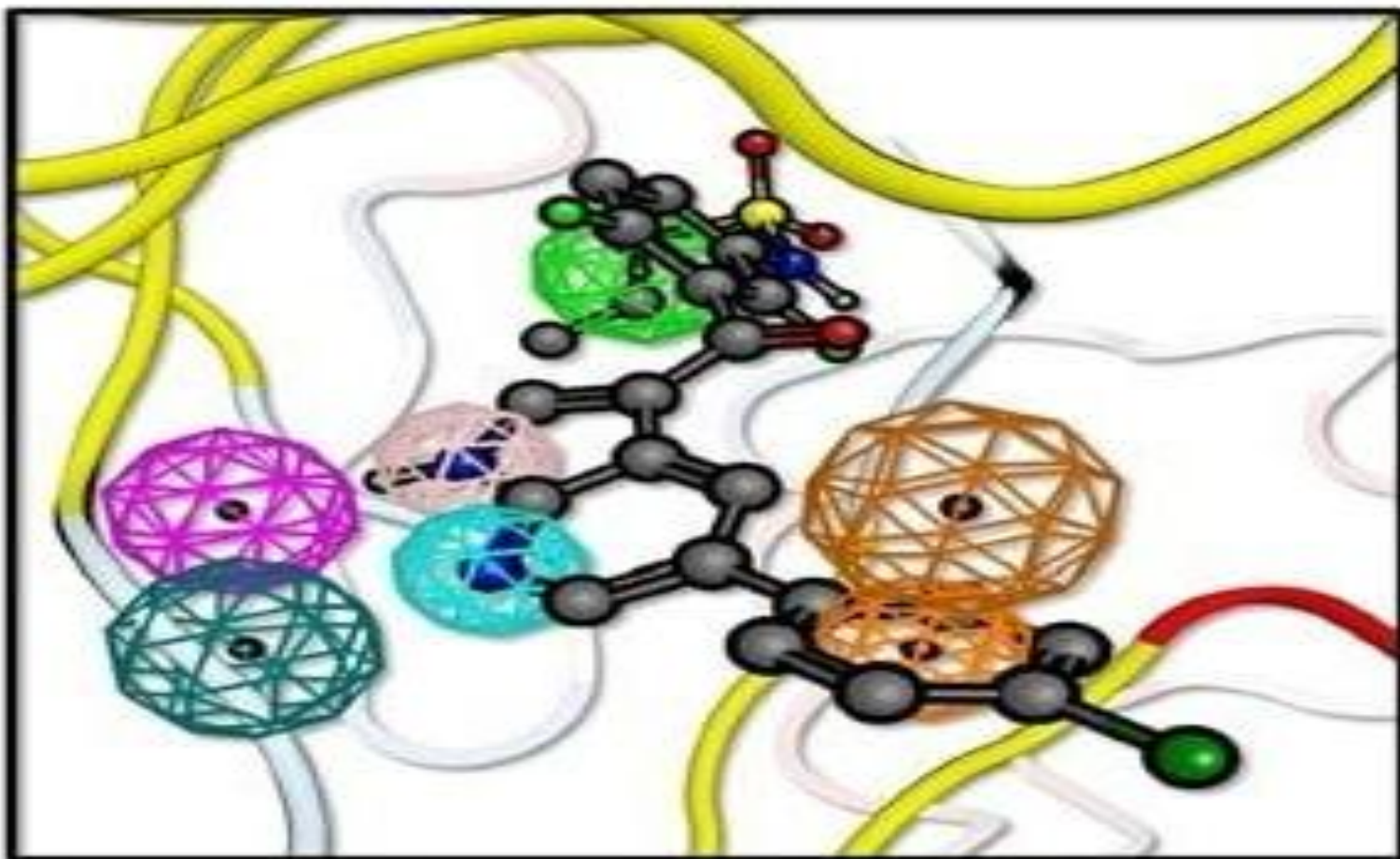




All India Council for Technical Education  
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**Short Term Training Programme**

on  
**Computer Aided Drug Designing:  
A Customized and Innovative Solution to the Greatest Challenges in Chemistry**

**“Phase II” March 15 – 20, 2021**



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Organized by  
Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial

**COLLEGE OF PHARMACY**

BELA (Ropar) Punjab 140 111



## ABOUT COLLEGE

Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial College of Pharmacy, BELA, (COP-BELA) Ropar is one of the premier institute of northern region. The institute has been established in 1993 by a non-profitable society in the memory of Sahibzadas Ajit Singh Ji and Jujhar Singh Ji, the elder sons & the true disciples of Guru Gobind Singh Ji, who laid their lives fighting the cause of religion, peace and independence at their tender age. The institution has made a steady progress during last three decades. The various courses Diploma in Pharmacy, Bachelor in Pharmacy, Master in Pharmacy [Pharmaceutics, Pharmaceutical Chemistry, Pharmacology], M. Sc. Pharmaceutical Chemistry, Bachelor in Medical Laboratory Science are successfully run in the campus. The institute is affiliated with IKG Punjab Technical University, Jalandhar and also declared as a centre for Ph. D. in Pharmaceutical Sciences. Apart of NBA accreditation, recognized under UGC 2(f) act, it occupies 60th place in NIRF-2020 ranking and come under Platinum Category by AICTE-CII 2018, 2019 Survey. The institute provides its learning community state-of-the-art facilities, excellent infrastructure and competent faculty members. The Institute encourages collaboration with industry as the means of reinforcing its curriculum with practical and real-world exposure. The college visualizes of becoming a world class, premier Institution for quality pharmaceutical education and research, to develop and prepare professionals to meet the challenges of fast developing pharmaceutical technologies.



AICTE-CII  
Platinum Category

## DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

The Department of Pharmaceutical Chemistry was initiated in the year 2007. The department is aimed to deliver expertise in the emerging areas of Drug Discovery, Drug Design, skills in the innovative processes for the synthesis of chemical entities and intermediates and their quality assurance using sophisticated instruments, isolation, characterization and evaluation of bioactive constituents from natural sources and develop documentation/Research writing expertise. The department is successful in getting financial support from various funding agencies like DST, AICTE and IKGPTU etc. Faculty members are actively engaged in research and associated with reputed academic institutes and industry.

## DEPARTMENT OF PHARMACOLOGY

The Pharmacology Department is engaged in imparting teaching post graduate students of Pharmacy (M. Pharmacy) and Doctoral Candidates affiliated to IKG PTU, Jalandhar. In this department, preclinical investigation of different compounds is being carried out using rats and mice as experimental animals. The department has CPCSEA approved animal house. The effect of various NCEs and NBEs are explored for their neurological and/or cardiovascular effects. Department have published a handsome number of good impact research papers in the journals of international repute. Various papers are also presented in the international conferences in India and abroad. Now department want to expand the horizon of our research at molecular level with the help of new equipment's. We are working towards to make this laboratory a pioneer in the field in the region.



## ABOUT SHORT TERM TRAINING PROGRAM (STTP)

The currently process of drug discovery methods have been changed drastically. Computer-aided drug design (CADD) provides theoretical and computational approaches in modern drug discovery. The core objects of this STTP focused on- fragment-based drug designing (FBDD), ligand-based drug designing (LBDD) and structure based drug designing (SBDD) and in- silico pharmacology, drug repurposing and repositioning and also covered multiscale methods in drug discovery. In addition, this program will provide a premier interdisciplinary platform for researchers.

### TOPICS TO BE COVERED

- *In-silico* Pharmacology
- Pharmacophore Modelling
- Target Identification and Validation
- Bioinformatics
- Alternate Biological Screening Techniques
- Screening of Potent Phytochemicals
- New Drug Screening Models *in vivo* –*in vitro*
- High Throughput Screening Techniques
- Lab Automation (HTS) tools training
- Computational Aspects of Vaccine Pharmacovigilance

### RESOURCE PERSONS

**Dr. Uma Bhandari**, Jamia Hamdard University New Delhi

**Dr. Thippeswamy B. S.**, Shaqra University, Saudi Arabia

**Dr. Banappa S. Unger**, ICMR-NITM, Belagavi, Karnataka

**Prof. P. V. Bharatam**, NIPER Mohali

**Dr. Santosh Kumar Behera**, NIPER, Ahmadabad

**Dr. Puneet Kumar Bansal**, Central University of Punjab, Bathinda

**Dr. Prashant R. Murumkar**, MSU, Baroda

**Dr. Rajeev Taliyan**, BITS-Pilani

**Dr. Alok Sharma**, ISFCP Moga

**Dr. Rupesh Gautam**, MMU, Mullana

**Mr. Sourabh Kosey**, ISFCP Moga

**Mr. Muktesh Sharma**, ADInstruments South Asia

### ELIGIBILITY AND SELECTION CRITERIA

The faculty members of the AICTE approved institutions, research scholar, and industry persons can apply. Selection will be done based on first come first serve basis. Decision of the Programme Monitoring Committee (PMC) will be final in all regards.

An evaluation test will be conducted at the end of program and E-Certificates will be issued only to those participants attending all sessions of STTP and qualify the test with minimum 60% marks.

### REGISTRATION

The faculty members, industrial member or research scholar may register through google form via link <https://forms.gle/CXmGyG5jScyAsgyg7> or register through the college website [www.copbela.org](http://www.copbela.org). Last date of registration is 12<sup>th</sup> March, 2021.

There is **NO REGISTRATION FEE** for participants.

# Organizing Committee

## Chief Patron



**Prof. (Dr.) Ajay Kumar Sharma**

Honable Vice-Chancellor  
IKG-PTU, Jalandhar

## Patron



**Capt. M. P. Singh**  
Chairman



**Dr. B. S. Bola**  
President

## Convener



**Dr. Shailesh Sharma**  
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## Org. Secretary



**Dr. Monika Gupta**  
HOD-Pharm. Chem.  
+91-81468-91785



**Dr. AS Kushwaha**  
HOD-Pharmacology  
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### Committee

Advisory

Registration and Daily Attendance

Finance

Scientific

Feed Back

Arrangements

### Members

Dr. Sandeep Kumar

Dr. Satnam Singh

Ms. Ritu Kainth, Ms. Namita Saini

Dr. Neelam Sharma, Ms. Noel

Dr. Richa Gupta, Dr. Rahul K. Sharma

Mr. Harsimran Singh, Ms. Amandeep Kaur

Dr. Sumnalata, Ms. Baljeet Kaur

Ms. Manpreet Kaur

## CONTACT DETAILS

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