



APP KARNATAKA STATE BRANCH  
APP AMERICAN INTERNATIONAL BRANCH  
APP ANALYTICAL CHEMISTRY DIVISION



TWO-DAYS 17<sup>TH</sup> INDO-US  
**CONFERENCE**

(January 21-22, 2022)

**THEME:**

Recent Advances and Global Trends in  
Pharmaceutical Sciences

APP



<https://stpaulscollege.ac.in>  
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ORGANIZED & HOSTED BY

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IN COLLABORATION WITH

**APP KARNATAKA STATE BRANCH**  
**APP AMERICAN**  
**INTERNATIONAL BRANCH**  
APP AnalChem Division



# Objective

Pharmaceutical Sciences is a dynamic and interdisciplinary field that aims to integrate fundamental principles of physical and organic chemistry, engineering, biochemistry, and biology to understand how to optimize delivery of drugs to the body and translate this integrated understanding into new and improved therapies against human disease. The pharmaceutical sciences combine a broad range of scientific disciplines that are critical to the discovery and development of new drugs and therapies. Drug Discovery and Design deals with the design and synthesis of new drug molecules. This category includes specialized fields of study such as medicinal chemistry, combinatorial chemistry, structural biology, identification of biological targets, and assay development to test drug candidates. Drug Delivery is concerned with the design of dosage forms such as tablets, injections or patches that will deliver the drug to the site of action in a patient. The purpose is to ensure that the drug arrives in the right concentration and at the right time. Specialty fields within Drug Delivery include pharmaceutics, biomaterials, and pharmacokinetics. Drug Action examines how the drug itself actually works in a living system. The action of the drug can be studied at the molecular level, in a cell, an organ, and in animals. Specialty fields within Drug Action include molecular biology, pharmacology, pharmacodynamics, toxicology, and biochemistry. Clinical Sciences are concerned with the use of drugs in the treatment of diseases. Particular properties of new drugs such as efficacy, adverse effects, drug-to-drug interaction and bioavailability are determined in clinical trials in humans. Drug Analysis involves separating, identifying, and quantifying the components of a sample. Analytical chemistry is an important component of all areas of the pharmaceutical sciences. Regulatory Affairs promotes communication, understanding, and cooperation between scientists from industry and academia and the regulatory authorities worldwide who govern approval and distribution, by means of developing regulatory guidelines. This conference will be beneficial to the academicians and other professionals who will be enlightened by the importance of pharmaceutical sciences in today's era of fast development.

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ST. PAULS COLLEGE OF PHARMACY, TURKAYAMJAL  
RANGA REDDY DISTRICT, TELANGANA

## About College

St. Pauls College of Pharmacy was established in 2007, approved by All India Council for Technical Education (AICTE), Pharmacy Council of India (PCI), New Delhi and affiliated to Osmania University, Hyderabad. The college is situated in a serene and beautiful campus which is conducive for imparting quality education, helpful for the growth of knowledge and career building. The College has provided excellent credentials in the field of Pharmacy Education with a clear focus on the peaceful learning environment and sophisticated infrastructure. St Pauls college of Pharmacy offers pharmacy programmes such as Pharm.D, B.Pharmacy and M.Pharmacy (Pharmaceutics & Pharmaceutical Analysis). There are 18 Laboratories attached to various departments like Pharmaceutics, Pharmaceutical Chemistry, Pharmacology, Pharmacognosy along with a sophisticated instrumentation facilities and a machine room.

## About Osmania University

Osmania University, established in 1918, is the seventh oldest in India, the third oldest in south India and the first to be established in the erstwhile princely state of Hyderabad. Throughout its existence of over eight decades, it has shown remarkable progress and sustained an integrated development of all faculties. It has significantly contributed to the academic and economic development of not only the region but also of the Country. Its alumni have distinguished themselves nationally and internationally in various spheres of life and are spread far and wide around the world.

The University has a vision of developing, enhancing, and improving the quality of human resources to meet the challenges of regional, national and global socio-economic changes. Its mission is to achieve excellence in teaching and research and to create opportunities for the students to contribute to the national and regional development. Osmania University is re-accredited by the National Assessment and Accreditation Council (an Autonomous Institution of the University Grants Commission) as 'A+' Grade University.



## About Association of Pharmacy Professionals (APP)

APP is a unique organization of more than 1500 dedicated professionals willing to serve pharmacy profession in dynamic which involves people from various arena including students, teachers, researchers, scientists as well as industry professionals. APP is continuously gaining attention among pharmacy community of India and abroad.

APP actually aids in extending the knowledge and facilities of several technical institutes, industries as well as health sectors to the remote areas where the service and live functionality of pharmacy profession is the real want.

This humble act might be in the form of academic, research or health related activities. The association is also aware about and share the responsibilities of professionals towards the community and social liabilities. The APP also accesses the availability of expertise when it needs and ensures that the systematic teaching learning activities not only occurs but also reach to the common knowledge development system by acting as source of fulfilment in case of any need.

Role of 'Association of Pharmacy Professionals' is also to think of betterment of the community, society and also to involve young generation to lead them to run the new era of pharmacy and related disciplines under the blessings and guidance of previous generation. We assure the dedicated and wholehearted efforts of our resources and abilities to push the pharmacy profession in all ways. Let us hope and work for making APP more visible at every forefront of scientific, academic and research fields. May the kind cause and wisdom of APP reach many places, many people all over India and abroad and enlighten the name of profession beyond the boundaries globally.

### INTERNATIONAL BRANCHES

- ✎ APP Ethiopian International Branch
- ✎ APP Australian International Branch
- ✎ APP West Indies International Branch
- ✎ APP Switzerland International Branch
- ✎ APP Brazilian International Branch
- ✎ APP Malaysian International Branch
- ✎ APP American International Branch

### NATIONAL STATE BRANCHES

- ✎ APP Andhra Pradesh State Branch
- ✎ APP Delhi State Branch
- ✎ APP Gujarat State Branch
- ✎ APP Haryana State Branch
- ✎ APP Karnataka State Branch
- ✎ APP Madhya Pradesh State Branch
- ✎ APP Uttarakhand State Branch
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- ✎ APP Punjab State Branch
- ✎ APP Rajasthan State Branch
- ✎ APP Tamilnadu State Branch
- ✎ APP Telangana State Branch
- ✎ APP Uttar Pradesh State Branch
- ✎ APP Odisha State Branch

### DIVISIONS

- ✎ APP IP-DRA Division
- ✎ APP CCP Division
- ✎ APP BioTech Division
- ✎ APP PharmEdu HealthCare Manag Division
- ✎ APP AnalChem Division
- ✎ APP MolPharm Division
- ✎ APP Drug Design MedChem Division

### LOCAL BRANCHES

- ✎ APP Trichy Local Branch
- ✎ APP Warangal Local Branch