



ANCP

Estd: 2003

ANNAMACHARYA COLLEGE OF PHARMACY

Sponsored by ANNAMACHARYA EDUCATIONAL TRUST (Regd. 135/IV/97)

Approved by AICTE & PCI, New Delhi, Affiliated to JNTUA, Ananthapuramu,

Accredited by NAAC with 'A' Grade, Bangalore, Accredited by NBA (UG Programme), New Delhi

Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi, Recognized Research Center, JNTUA, Ananthapuramu,

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

About Pharmaceutical Chemistry:

The Department of Pharmaceutical Chemistry of Annamacharya College of pharmacy was established in the year 2003 and committed for training and educating the students in the field of pharmaceutical chemistry. Pharmaceutical Chemistry emphasizes on the chemistry of drug design and development, drug action, drug transport, drug delivery, and targeting. The discipline Medicinal Chemistry plays a vital role in design and synthesis of new molecules using synthetic organic chemistry, the creation of biological knowledge and medicinal applications makes a major contribution to the identification and development of small drug-like molecules in the discovery process.

Pharmaceutical Chemistry is the heart of pharmacy course which aims to provide the necessary theoretical concepts and practical exposure in design, synthesis and characterization of novel chemical entities (NCE's). A major in pharmaceutical chemistry will give hands on experience in synthetic route design and its implementation.

Progress in the field depends on the design and synthesis of new molecules using tools such as structure activity relationships, combinatorial chemistry, and computer-aided drug design. The course content is methodically structured and designed to prepare the students for a career in academia as well as the pharmaceutical industry.

The course work of the department covers the core areas of pharmacy like synthesis of new chemical entities, their analysis, and development of new analytical techniques for validation of organic compounds of natural and synthetic origin. The department provides computer aided drug design software facility for the identification of lead molecules.

Faculty

Job Prospects in Pharmaceutical Chemistry

- Drug Discovery & Development (CADD)
- Organic & Medicinal Chemistry Division
- Pharmaceutical Manufacturing Division
- Pharmaceutical Bulk Drug Division
- Pharmaceutical Analytical R & D

Career opportunities

- Doctoral programmes
- Synthetic chemists in basic and applied research in both research and contract research organizations
- Medicinal chemists in drug design and discovery labs
- Natural Product Chemist
- Process Chemist
- Associates in regulatory affairs
- Medical Writers
- Academics



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CLASS ROOM



DEPARTMENT LIBRARY



DEPARTMENT ENTRANCE



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DEPARTMENT LABORATORY 1 (CADD LAB)



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MICROWAVE SYNTHESIZER



FUMING CUPBOARD



DIGITAL MELTING, BOILING APPARATUS & UV CABINET



VACCUM PUMP, DESICATOR