

Faculty of Chemistry

The Faculty of Chemistry is an academic community that rigorously and critically cultivates the chemical and pharmaceutical sciences, developing innovating and flexible training programs of investigation and extension that faithfully reflect the principles and values of the Pontifical Catholic University.

VISION

In the next ten years, the Faculty of Chemistry hopes to fulfill the following objectives:

- An educational project oriented towards the formation of professionals and scientists who will be well-rounded, cultured, involved with the community, able to lead and to innovate with a sense of ethical responsibility, professionalism, and a commitment to life-long learning.
- The national and international projection of its academic and investigation activities in order to occupy a leadership role in the dissemination of chemistry and pharmaceutical sciences.
- A permanent dialogue with society regarding the progress and active participation in the search for solutions to the diverse problems that face the country with respect to the disciplines imparted.

RESEARCH IS CONDUCTED IN THE FOLLOWING FIELDS:

- Chemistry of coordination and organometallic compounds
- Physical chemistry of macromolecules
- Electronic molecular structure

- Kinetics and reaction mechanisms
- Polymer synthesis and characterization;
- Natural organic products
- Biopharmacy
- Chemistry of quinones
- Clinical pharmacokinetics
- Chemistry of proteins
- Electroanalysis and electrochemical kinetics
- Industrial electrochemical processes

The Faculty offers the professional degree of Chemist and Pharmacist, and has a graduate program leading to the degrees of Master and Doctor of Science in Chemistry. The Faculty has received support from international organizations such as the E.U., the National Science Foundation, and various European universities.

Faculty members have published in international journals such as the *Journal of the American Chemical Society*, the *Journal of Applied Chemistry Science*, the *Journal of Organometallic Chemistry*, *Macromolecular Chemistry*, *Polymer Journal*, *Tetrahedron Letters*, the *Journal of Electroanalytical Chemistry*, *Phytochemistry*, the *Journal of Organic Chemistry*, *Synthesis*, the *Journal of Pharmacy and Pharmacology*, the *International Journal of Chemical Pharmacology and Therapeutics*, *Drug Development and Industrial Pharmacy*, etc.

ACADEMIC STAFF:

The academic staff includes a total of 46 full-time and part-time professors, 87% of whom have formal graduate training.

