



MAR DIOSCORUS COLLEGE OF PHARMACY

(Owned & Managed by the Charitable & Educational Society of the Thiruvananthapuram Orthodox Diocese Reg. No. 977/91)

Hermongiri Vidyapeetam, Alathara, Sreekariyam

Thiruvananthapuram - 695 017, Kerala, India.

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Department of Pharmaceutical Chemistry



The **Department of Pharmaceutical Chemistry** forms the foundation of pharmacy education by imparting knowledge of medicinal chemistry, organic chemistry, pharmaceutical analysis, and quality control. The department teaches the scientific principles behind drug design, synthesis, structural characterization, and quality evaluation.

It supports the academic needs of D. Pharm, B. Pharm, M. Pharm (Pharmaceutical Chemistry / Quality Assurance), and Pharm D programmes. With well-equipped laboratories and experienced faculty, the department ensures that students gain strong analytical, synthetic, and research-oriented skills.

POLICY

Pharmaceutical Chemistry is a core branch of Pharmacy that focuses on the design, synthesis, analysis, and quality evaluation of drugs. The Department of Pharmaceutical Chemistry at Mar Dioscorus College of Pharmacy is supported by modern analytical laboratories and experienced faculty.

The department provides undergraduate, postgraduate, and research training in medicinal chemistry and pharmaceutical analysis, with emphasis on drug synthesis, analytical method development, quality control, and regulatory standards. Research activities focus on new drug molecules, analytical techniques, and quality assurance of pharmaceutical products.

VISION

To become a centre of excellence in drug discovery, chemical analysis, and pharmaceutical education.

MISSION

- To deliver quality education in pharmaceutical chemistry and analysis.
- To train students in drug synthesis, analysis, and quality control.
- To promote innovation, ethical research, and industry-relevant skills.
- To strengthen academia–industry interaction.

DEPARTMENTAL OBJECTIVES

- To build strong knowledge in chemical drug design and development.
- To develop practical skills in synthesis and analytical techniques.
- To encourage research in medicinal chemistry and analytical methods.
- To prepare students for careers in R&D, QC, QA, regulatory affairs, and academia.
- To instil laboratory ethics, safety, and proper documentation practices.

LIST OF FACULTIES



Prof. Rachel Mathew

M.Pharm

Vice Principal & Head of Department



Dr. Sreeja.S
M.Pharm, Ph.D
Professor



Mrs. Annamma Baby
M.Pharm
Associate professor



Mrs. Vani.V
M.Pharm
Associate Professor



Mrs. Lekshmi Gopal
M .Pharm
Associate Professor



Mrs. Rose Mary Joseph
M.Pharm
Associate Professor



Mrs. Anjana V.S
M.Pharm
Assistant Professor



Ms. Seethal P. S
M.Pharm
Assistant Professor



Mrs. Arya S Kumar
M.Pharm
Assistant Professor



Mrs. Riswana R
M Pharm
Assistant Professor



Ms. Lekshmi Priya
B.Pharm
Lecturer

Laboratory Facilities

Pharmaceutical Chemistry Laboratory

- Organic synthesis area
- Reagent preparation & qualitative analysis section
- Analytical balances
- Melting point apparatus
- Water bath, hot plates, heating mantle
- Digital pH meter
- Fuming hood

Pharmaceutical Analysis & Instrumentation Laboratory

- UV-Visible Spectrophotometer
- Flame photometer
- Conductivity meter
- Potentiometer
- Colorimeter
- Polarimeter
- Chromatography setup (TLC)
- HPLC (if available)