



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



**VINAYAKA MISSION'S
COLLEGE OF PHARMACY**

CONSULTANCY SERVICES BROCHURE



VINAYAKA MISSION'S COLLEGE OF PHARMACY

A UNIT OF VINAYAKA MISSION'S RESEARCH FOUNDATION

(Deemed to Be University)

Yercaud main road, Kondappanaickenpatty, Salem-636 008. Tamilnadu, India.

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ABOUT THE UNIVERSITY

The Thirumuruga Kirupananda Variyar Thavathiru Sundara Swamigal Medical Educational and Charitable Trust was established in the year 1981 by Salem based philanthropist and educationist Dr. A. Shanmugasundaram with an inner urge to serve the society in general and the needy in particular by imparting education. This noble thought and the vision of the visionary came true with Recognition of Govt. of India as Vinayaka Mission's Research Foundation under section 3 of UGC act 1956 in the year 2001 and Accredited by NAAC.



ABOUT THE COLLEGE

The Vinayaka Mission's College of Pharmacy, Salem, was established in the year 1982 is the pioneer institution of the Trust that plays a vital role in the field of Pharmacy education and caters to the needs of the society by meeting the ever-increasing demand for Pharmacists in India and abroad. The college was started with Diploma in Pharmacy (1982) programme and offers B. Pharm (from 1993) and M.Pharm (from 2003) in 3 specializations, Pharm.D and Pharm.D (Post Baccalaureate) in 2008 with tailor-made curriculum and syllabus to meet the current pharmaceutical industry standards and community pharmacy. The college is approved by Pharmacy council of India, New Delhi and a unit of Vinayaka Mission's Research Foundation - Deemed to be University, Salem. The institution has well equipped sophisticated instruments in the different departments to carry out the day to day research activities in academic and R&D level.

Vinayaka Mission's College of Pharmacy is one of the pioneer Pharmacy institutions in Tamilnadu and has grown into a completely developed institution with faculty members from all the major areas in pharmacy with most of them having doctoral degrees from eminent institutions across the globe with industrial and research exposure.

The students from the institution are highly successful in getting excellent opportunities to serve in various pharmacy sectors, having their own start-ups, or pursuing higher studies in leading universities in India and abroad. The institution exhibits a strong relationship with our alumni, industries and research institutes and universities in India.

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

About the Department

The Department of Pharmaceutical Chemistry and Pharmaceutical analysis aspires to focus on the development of new analytical methods that combine novel apparatus and approaches with existing ones. Basic research on the identity, purity, content, stability of starting materials, excipients, drug –polymer compatibility and active medicinal substances are involved.

The Department provides training to postgraduate students in pharmaceutical chemistry and analytical sciences relevant to the synthesis of novel drug molecules and their characterisation using modern analytical tools, qualitative and quantitative estimation of natural, synthetic drugs and biological samples in various matrices using spectroscopy, chromatography, and other analytical procedures.

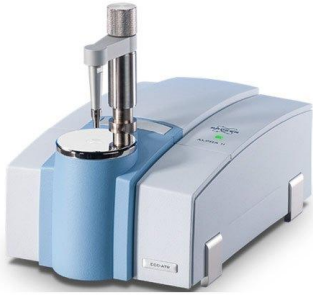
The Departmental activities are mainly focused on training and handling the modern analytical instruments such as ATR-FTIR, HPLC, UPLC, Gas chromatography, UV-Vis spectrophotometers, Fluorimeter, Flame photometer, etc to the UG&PG students and research scholars. The prime focus of the department is the discovery, development, and application of analytical methods and techniques relevant to Pharmaceutical sciences.

AREAS OF CONSULTANCY SERVICES

- Synthesis and characterization of Novel biomolecules and screening for its biological activity
- Structural elucidation through modern spectroscopic tools
- Interpretation of isolated and synthesized novel biomolecules
- Analytical and Bio analytical method development and validation
- QbD based analytical method optimization
- Drug Impurity Profiling
- Development and validation of stability indicating analytical methods
- Food and cosmetic analysis
- Application of green chemistry for rapid analysis of drugs
- Standardization of Herbal formulations
- Evaluation of drugs for heavy metal toxicity

LIST OF INSTRUMENTS

ATR-FTIR SPECTROPHOTOMETER



HIGH PERFORMANCE LIQUID CHROMATOGRAPHY



UV-VISIBLE DOUBLE BEAM SPECTROPHOTOMETER



UV-VISIBLE DOUBLE BEAM SPECTROPHOTOMETER



FLAME PHOTOMETER



LYOPHILIZER



GAS CHROMATOGRAPHY



PHOTO FLUOROMETER



DEPARTMENT OF PHARMACEUTICS

About the Department

The Department of Pharmaceutics is the very vital department in pharmaceutical sciences, focusing on the formulation development, and delivery of drugs. It's cutting-edge research meets practical application of formulation to ensure that the medicines are safe, effective and accessible. With expertise ranging from drug design to manufacturing processes, the department plays a crucial role in shaping the future of healthcare. Through innovative solutions and rigorous testing, it drives progress in drug development, making a tangible difference in patients' lives globally.

With a focus on innovation and research, this department offers consultancy services aimed at optimizing drug formulations, enhancing drug delivery systems, and addressing various challenges encountered in formulation development. Drawing upon a multidisciplinary approach, the Department of Pharmaceutics collaborates with pharmaceutical companies and research institutions to provide tailored solutions and expert guidance across a spectrum of pharmaceutical challenges.

AREAS OF CONSULTANCY SERVICES

- Pre-formulation studies
- Formulation of Novel Drug Delivery Systems like Liposomes, Ethosomes, and Niosomes.
- Stability studies for drug formulations.
- Formulation of Solid dosage forms like tablets and capsules .
- Microbiological assay.
- Drug release kinetic studies.

LIST OF INSTRUMENTS

DISSOLUTION APPARATUS



FT-IR SPECTROPHOTOMETER



TABLET DISINTEGRATION (SINGLE)



TABLET DISINTEGRATION (DOUBLE)



TABLET PUNCH MACHINE



HUMIDITY CHAMBER



DIGITAL pH METER



MULTIPURPOSE FORMULATION UNIT



DEPARTMENT OF PHARMACOLOGY

About the Department

The Department of Pharmacology is a Pre-clinical science department forms a part of the Vinayaka Mission's College of Pharmacy focusing on basic life sciences research provides hands on training on simulation and pharmacological studies to the UG, PG students and Research Scholars.

Pre-clinical research in the department aims to screen new lead molecules upon living systems as the first step towards a greater understanding of disease and effective treatment. The Department of Pharmacology has its own well maintained animal house, registered with the Committee for the Control and Supervision of Experiments on Animals (CCSEA), Govt. of India, and New Delhi. It has an established Institutional Animal Ethics Committee (IAEC) for monitoring the care and use of animals in research activities

AREAS OF CONSULTANCY SERVICES

- Toxicological studies (Acute, sub-acute and chronic toxicological screening)
- Analgesic activity (Central/ Peripheral)
- CNS stimulant and depressant activity
- Anti-inflammatory activity
- Anti-diabetic studies
- Metabolic studies (Pharmacokinetic)
- Antifertility activity
- Anti-Cancer studies (In-vivo)
- Neuro Pharmacological studies
- Anti-hyperlipidemic activity
- Hepatoprotective activity
- Anti asthmatic activity (In-vitro)
- Diuretic activity
- Anti-ulcer activity

LIST OF INSTRUMENTS

ACTOPHOTOMETER



EDDY'S HOT PLATE



ROTA ROD APPARATUS



SEMI-AUTO ANALYSER



ELECTROCONVULSIOMETER



ELEVATED PLUS MAZE



DEPARTMENT OF PHARMACOGNOSY

About the Department

The Department of Pharmacognosy was established to keep abreast of the rapid developments in the knowledge and utilization of medicinal plants. There is an ever increasing acceptance for the past three decades for herbal drugs all over the world. The department is involved in the protection of endangered medicinal species and the isolation of new drugs and lead compounds from medicinal plants.

Department of Pharmacognosy is involved in research in the field of discovery, development and standardization of herbal drugs, plant anatomy, phytopharmaceuticals, microbial products; and quality control.

The Department provides extensive theoretical as well as practical knowledge in extraction and isolation of various secondary metabolites. It also focuses on quality assurance, regulatory policies over herbal trade, and challenges in monitoring the safety of herbal medicines.

AREAS OF CONSULTANCY SERVICES

- Pharmacognostical Screening of medicinal plants and crude drugs.
- Extraction and isolation of phytoconstituents.
- Standardization of herbal extracts and Ayurvedic formulations.
- Development of Poly Herbal formulations and cosmetics.
- Heavy metal analysis in herbal extracts and formulations.

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CONSULTANCY SERVICES**

SAMPLE TEST REQUEST FORM

Contact Person:		Institution/ Industry Name:
Address:		Phone:
		e-mail:
Date of Sample sent:	PO. No	

S.No	Sample Description	Parameters to be tesated
*Write in all tests or compounds to be tested for or attach a separate sheet with the information.		
Total Samples	Turnover time	
Protocol for test parameters	*Attach the protocol in MS word format	
Sample Condition	Solid	Liquid If others specify:
Specify Report	Online / Post (Charges extra)	
delivery Mode	Contact Person	
Name & Designation	Contact Number	Email id
Mr. M.Saravanan	8870573973	saravanna24@gmail.com
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