

## Laboratories Facilities

### A) Department of Pharmaceutics:

The Department of Pharmaceutics and Pharmaceutical Technology has state-of-the-art facilities equipped with various sophisticated machinery required for imparting knowledge to the students regarding various formulations, processing and testing equipment used in the manufacturing of pharmaceutical dosage forms like tablets, capsules, liquids, semi-solids, parenterals and novel drug delivery systems.



### B) Department of Pharmacology:

Pharmacology is a unique and dynamic branch of pharmacy, since it involves the understanding of how a drug deals with the human body and how the human body responds to the drug.

The understanding of the effect of the drugs requires the use of various animals for which the Institute has animal house facilities approved by CPCSEA and houses animals like rats, mice, guinea pigs and rabbits.



### D) Department of Pharmaceutical Chemistry & Analysis:

Department of Pharmaceutical Chemistry & Analysis is the backbone of the teaching as well as research in the pharmacy profession since synthesis & analysis of the raw material as well as the finished product is of prime importance for the safety and efficacy for human consumption.



### E) Department of Pharmacognosy:

The Department of Pharmacognosy is responsible for providing knowledge and information on production of pharmaceutical raw materials from natural sources, traditional medicines and chemical analysis and phytochemical screening of medicinal plants, medicinal plant biotechnology and phytotherapy etc.



45 Km. from Manmad  
95 Km. from Ahmednagar  
90 Km. from Nashik  
96 Km. from Aurangabad  
195 Km. from Pune  
244 Km. from Mumbai

**Nearest Places from Kopergaon**  
Shirdi 10 Km.  
Shani Shingnapur 89 Km.  
Devgad 62 Km.

### Contact :

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Sanjivani Rural Education Society's

## SANJIVANI COLLEGE OF PHARMACEUTICAL EDUCATION AND RESEARCH

(NBA and NAAC 'A' Accredited, DSIR-SIRO Recognized, An ISO 9001:2015 certified)



### TESTING AND CONSULTANCY CELL

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**At- Sahjanandnagar, Post-  
Shingnapur - 423603  
Ta- Kopergaon, Dist. Ahmednagar,  
Maharashtra, India.**

Dear Sir/Madam,

Sanjivani Rural Education Society's, Sanjivani College of Pharmaceutical Education and Research pursues the philosophy of perpetual acquisition of knowledge. Our aim is not to make the students mere job-seekers but to make them the architects of their future. The college was established in the year 2004 with the four-year Bachelor's programme in Pharmacy (B. Pharmacy) approved by PCI & AICTE, New Delhi and affiliated to the Savitribai Phule Pune University, Pune. The institute also offered Post Graduate Programme (M.Pharm) in Pharmaceutical Quality Assurance and Pharmaceutics. The college is accredited by NBA and NAAC Grade 'A' and recognized by DSIR-SIRO & UGC 2(f) & 12(B). The college is also ISO-9001:2015 certified. The college has signed MoUs with some pharmaceutical company for research & training purposes.

The college has gained excellent reputation in the field of Pharmaceutical Education and Research. The college has established "CONSULTANCY AND TESTING CELL", which accepts pharmaceuticals testing, consultation, research projects and R&D jobs from industry and other organizations.

This cell undertakes following types of consultancy works at various departments of this college as per standard guidelines.

#### A) Department of Pharmaceutics:

**Work profile:** Formulation & Development of various dosage forms, Microbiological assays, In-Vitro Cell assay (MTT) etc.

#### Areas of expertise:

Nanotechnology, Texture Analyser, Pelletization, Microencapsulation, Carbon Nano-tubes, Quantum dots, Polymer synthesis, Nanoparticle synthesis and characterization, etc.

Name of equipment	Make & Model
CT-3 Texture Analyzer	Brookfield
Refrigerated Centrifuge	Remi
Photostability Chamber	Remi
Extruder and Spheronizer	Shakti Pharmatech
Advanced Probe Sonicator	PCI Analytics
Spray Dryer	Technosearch Instruments
Photostability Chamber	Remi
Environmental Stability Chamber	Remi
Dissolution Test Apparatus	Electrolab
Differential Scanning Calormeter	In Purchase
Plate Reader	In Purchase

#### B) Department of Pharmacology:

**Work profile:** Toxicity testing, Preclinical & Animal study, In-Vitro disease models etc.

#### Areas of expertise available:

Acute oral toxicity study, Evaluation of Skeletal muscle relaxant activity, anti inflammatory activity, CNS stimulant/depressant activity, analgesic, anti convulsant activity,

Name of Instrument	Make & Model
Activity cage Digital	Dolphine
Analgesiometer Eddy's Hot plate	Dolphine
Analgesiometer Tail flick type	Dolphine
Electro Convulsometer	Dolphine
Elevated plus maze	Dolphine
Histamine Chamber	Dolphine
Plethysmometer	UGO BASILE
Pole climbing App Cooks	Dolphine
Rota rod 5 compartment Digital	Dolphine
Stereotaxic Equipment	Kopf
BIOTEK Simulation Software	In purchase

#### C) Department of Pharmacognosy:

**Work profile:** Herbal drug formulation and standardization, Phytochemicals extraction, analysis & Identification, etc.

#### Areas of expertise:

Preliminary phytochemicals analysis, extraction and identification of phytochemical constituents, fraction and markers, Microscopic study of plants etc.

Name of equipment	Make & Model
Motic microscope	Motic
IR Moisture balance	Mettler Tolloedo
Muffle furnace	25*13*13
Rotary vacuum evaporator	Dolphin

#### D) Department of Pharmaceutical Chemistry:

**Work profile:** Analytical method development, Impurity profiling, Quality control of pharmaceuticals etc.

#### Areas of expertise:

Analytical method development, Impurity profiling, degradation study of pharmaceutical bulk and their products, etc.

Name of Instrument	Make & Model
HPLC LC2030D Prominence i	Shimadzu
FT-IR with ATR	Shimadzu
UV-Visible double beam spectrophotometer	Shimadzu
UV single beam	Shimadzu
HPLC (Iso cratic)	Shimadzu
HPTLC	In purchase
Gas Chromatography	In purchase

## Consultancy Charge List (2020 – 21)

Department	Sr. No.	Name of Instrument	Charges for Academics/Research Institute	Charges for Industry/Commercial Sample
Pharmaceutics	1	CT-3 Texture Analyzer	Rs. 300 per sample	Rs.800 per sample
	2	Refrigerated Centrifuge	Rs. 250 per hour (1 lit)	Rs. 1000 per hour (1 lit)
	3	Photostability Chamber	Rs. 150 per sample per week	Rs. 500 per sample per week
	4	Extruder and Spheronizer	Rs. 500 for 500 gm sample	Rs. 800 for 500 gm sample
	5	Advanced Probe Sonicator	Rs. 150 per sample per hour	Rs. 500 per sample per hour
	6	Spray Dryer	Rs. 200 per liter	Rs. 800 per liter
	9	Environmental Stability Chamber	Rs. 250 per sample for quarter	Rs. 650 per sample for quarter
	10	Dissolution Test Apparatus	Rs. 100 per sample for 8 hr	Rs. 250 per sample for 8 hr
	11	Differential Scanning Calorimeter	Rs. 300 per sample	Rs. 650 per sample
	12	Plate Reader	Rs. 500 per sample	Rs. 1200 per sample
	Pharmacology	13	Activity cage Digital	Rs. 150 per test per sample
14		Analgesiometer Eddy's Hot plate	Rs. 150 per test per sample	Rs. 350 per test per sample
15		Analgesiometer Tail flick type	Rs. 150 per test per sample	Rs. 350 per test per sample
16		Electro Convulsometer	Rs. 250 per sample	Rs. 350 per sample
17		Elevated plus maze	Rs. 150 per sample	Rs. 400 per sample
18		Histamine Chamber	Rs. 300 per sample	Rs. 550 per sample
19		Plethysmometer	Rs. 200 per sample	Rs. 450 per sample
20		Pole climbing App Cooks	Rs. 150 per sample per animal	Rs. 250 per sample per animal
21		Rota rod 5 compartment Digital	Rs. 200 per sample	Rs. 450 per sample
22		Stereotaxic Equipment	Rs. 250 per sample	Rs. 500 per sample
23		BIOTEK Simulation Software	Rs. 100 per simulation per analyte	Rs. 250 per simulation per analyte
P'cognosy	24	Motic microscope	Rs. 150 per sample (5 images)	Rs. 400 per sample (5 images)
	25	IR Moisture balance	Rs. 150 per sample	Rs. 500 per sample
	26	Muffle furnace	Rs. 50 per sample per hour	Rs. 200 per sample per hour
	27	Rotary vacuum evaporator	Rs. 250 per sample (500 mL)	Rs. 650 per sample (500 mL)
Pharma Chemistry	28	HPLC LC2030D Prominence	Rs. 200 per injections	Rs. 800 per injections
	29	FT-IR with ATR	Rs. 100 per sample	Rs. 450 per sample
	30	UV-Visible double beam spectro- photometer	Rs. 100 per sample	Rs. 300 per sample
	31	UV single beam	Rs. 50 per sample	Rs. 200 per sample
	32	HPLC (Iso cratic)	Rs. 150 per injection per sample	Rs. 450 per injection per sample
	33	HP TLC	Rs. 250 per sample	Rs. 800 per sample
	34	Gas Chromatography	Rs. 450 per sample	Rs. 1200 per sample

\*\*Note: For bulk sample contact coordinator, Industry need to provide MSDS and COA before sample analysis. Solvent charges are extra if specified for sample preparation or evaluation

**Terms and Conditions:**

Advance payment deposited for sample analysis. Only Demand Draft or Cheque payments are acceptable. If you need soft copy of data need to pay Rs. 100 extra for CD and delivery charges.