



XAVIER RESEARCH FOUNDATION (XRF)
Interdisciplinary Research Center in Biology
ST XAVIER'S COLLEGE (AUTONOMOUS)
Palayamkottai – 627002, Tamil Nadu, India Tel: 0462 2561987
Website: www.stxavierstn.edu.in Email: xrfsxc@gmail.com

Facilities available at XRF:

Space

With a view to strengthen interdisciplinary research in science, the management of St Xavier's College established Xavier Research Foundation (XRF) in 2018. XRF is housed in a two storied building; the phytochemistry division at XRF has necessary facilities for extraction, fractionation and isolation of compounds. The herbarium at XRF (acronym: XCH) is recognized by International Association for Plant Taxonomists, Berlin and has about 20,000 mounted specimens. The Animal Tissue Culture facility has necessary infrastructure for culturing the animal cells.

Other facilities:

Office

Computer Room

Research Laboratory

Scientists Room

Herbarium

Green House

Herbal garden

Plant Tissue Culture Lab

Insect Rearing facility

Library and Internet

Fr VS Manickam, S.J. Instrumentation centre



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List of the instruments available at XRF

Name of the Instrument	Make	Model
Biosafety cabinet	SP Bioengineering	SPB BS 900GI
CO ₂ incubator	Eppendorf	CellXpert C170
Inverted microscope	Euromex	OX.2053-PLPH
Binocular microscope	Leica	Zoom 2000
Cooling Centrifuge	Eppendorf	5430R
Deep freezer (-80 °C)	Eppendorf	CryoCube F101h
ELISA reader & washer	Robonik	Readwell touch & Washwell
Gradient PCR	Eppendorf	Mastercycler nexus gradient
Microcentrifuge	Eppendorf	5418R
Moisture balance	Shimadzu	MOC63U
Probe Sonicator	Vibra-Cell	VCX 130
HPLC (Analytical)	Agilent	ADE001
HPLC (Preparative)	Shimadzu	1525Breeze
Flash chromatography	Buchi	C-810 Flash
Rotavapor	Buchi	R-300
Autoclave	Hasthas	--
Electronic Balance	Sartorius	BSA 224 S-CW
Hot air oven	Scientific instruments	--
Hydrodistillation apparatus	Local made	--
pH meter	Systronics	--
UV Spectrophotometer	Shimadzu	Model: UV-1780
FTIR Spectrophotometer	Shimadzu	IRSpirit
NanoDrop Spectrophotometer	Thermo	ND Lite
Chemidoc XRS+ Imager With PC accessories	BioRad	
Electrophoresis system	BioRad	
Real-Time PCR	BioRad	