



CHANGU KANA THAKUR

Arts, Commerce and Science College, New Panvel (Autonomous)

Re-accredited 'A+' Grade by NAAC (3rd Cycle-CGPA 3.61)

'College with Potential for Excellence' Status Awarded by University Grants Commission 'Best College Award' by University of Mumbai

CENTRAL INSTRUMENTATION FACILITIES



GAS CHROMATOGRAPHY

Details

Make: Shimadzu

Model: GC-2014

Injector: Dual/Single packed
Split/Splitless

Column Oven:

Temp range: 10°C to 400°C,

Cooling range: 300-30°C

Detector: TCD

Software: GC Solution Real-time
Analysis & GC Solution post run Real-
time Analysis



FTIR SPECTROPHOTOMETER

Details

Make: Shimadzu

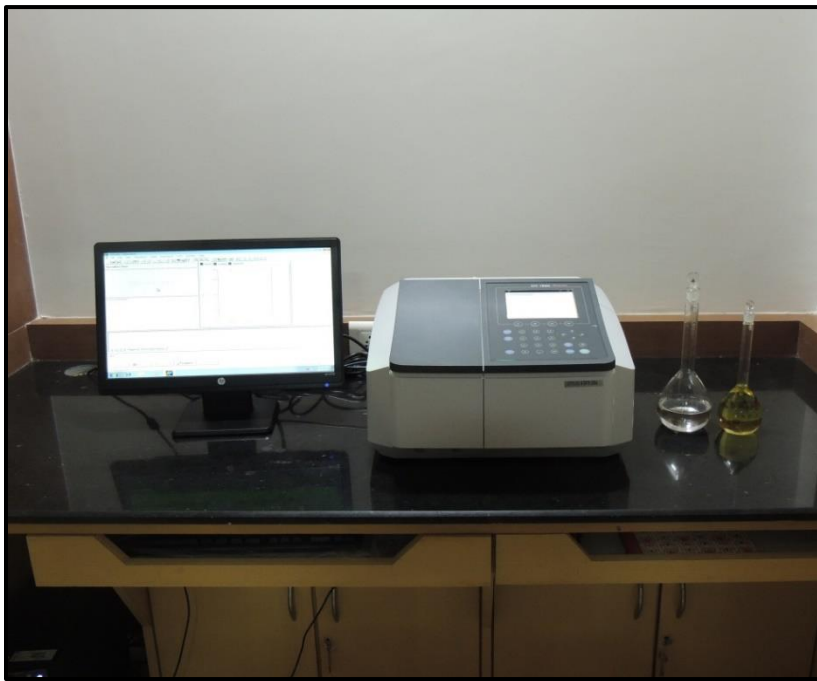
Model: IR Affinity-10

Wavenumber range: 7800 cm⁻¹ to
350 cm⁻¹

Environmental Conditions:

Temp- 15 to 30°C,

Humidity- 70%



UV-VISIBLE SPECTROPHOTOMETER

Details

Make: Shimadzu
Model: UV-1800
Wavenumber range: 190
nm to 1100 nm
Monochromator: Czerny
Turner
Detector: Silicon Photodiode
Environmental Conditions:
Temp- 15 to 30°C,
Humidity- 30-80%
Software: UV



ATOMIC ABSORPTION SPECTROSCOPY (AAS)

Details

Make: Shimadzu
Model: AAS AA - 7000
Wavelength Range: 185 to 900 nm
Monochromator: Czerny Turner
Monochromator,
Detector: Photomultiplier tube.
Data processing Wizard Software,
Burner Unit: Air Cooled Premix Type
Environmental Conditions:
Temperature: 10 to 35°C,
Humidity 20 to 80%



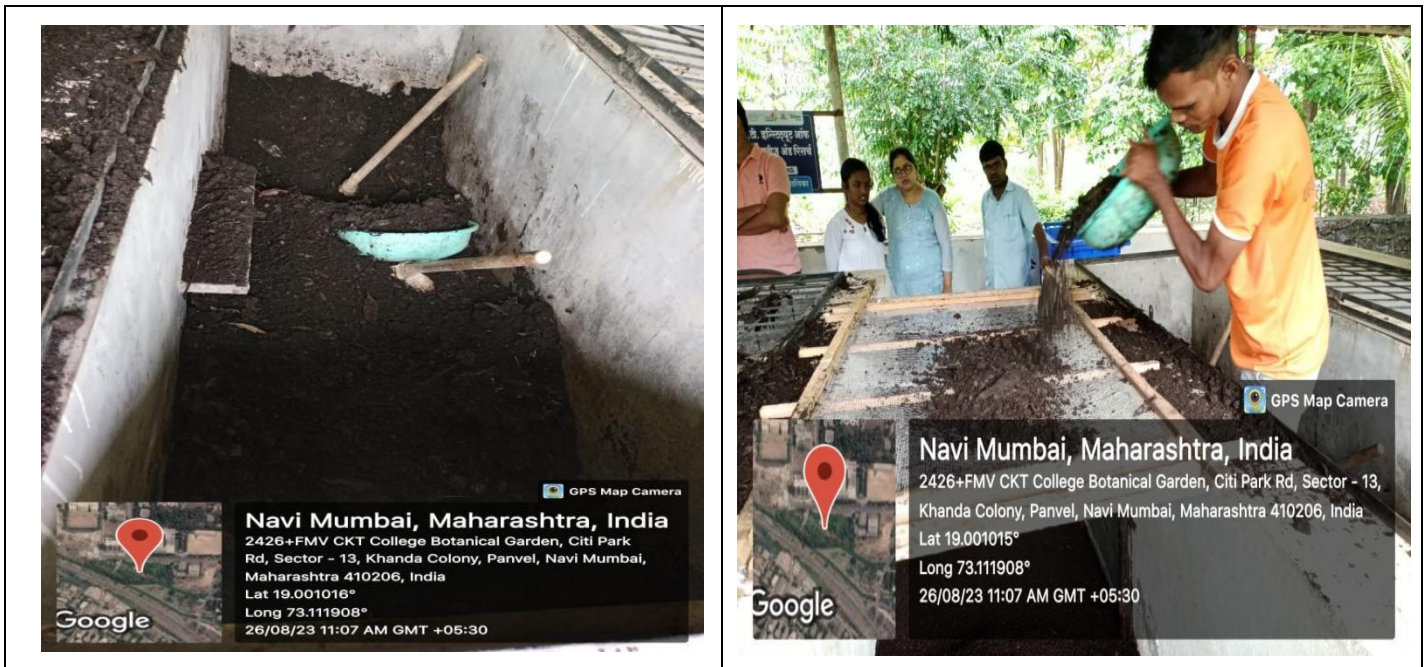
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VERMI COMPOSTING





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SERICULTURE



Larva Spinning Cocoon



Cocoon of *Bombyx mori L.*



Janardan Bhagat Shikshan Prasarak Sanstha's

CHANGU KANA THAKUR

ARTS, COMMERCE & SCIENCE COLLEGE

(Reaccredited 'A' Grade by NAAC & Best College Award by University of Mumbai)

Name:- _____

Designation:- _____

Department:- _____

Date:- _____

To,
Principal/Technical Research Co-ordinator
Science Resource Centre,
Changu Kana Thakur
Arts, Commerce & Science College
New Panvel.

Subject: - Permission for analysis of :

Dear Sir,

I, the undersigned student/employee of the college/ industry

_____ request you to provide me analysis / training of the
following:

Location	Date	Time	Analysis / Test & Purpose	No. of Students /Persons
Central Instrumentation Laboratory				
Science Resource Centre				

Thanking you,

Yours faithfully,

(Signature of the /Student/employee)

Permission Granted / Not Granted.

Principal/Technical Research Co-ordinator
Science Resource Centre,
Changu Kana Thakur
Arts, Commerce & Science College

Janardan Bhagat Shikshan Prasarak Sanstha's

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Science Resource Centre

Sample Testing / Facility Use Requisition

Requisition Form

Date -

Sr. No	Name	Mobile No	Weather Student/Teacher/Industry	Name of The Institute/ Industry	Email & Address	Sample details	Tests required to be carried out on the sample.	Charges for Analysis

Note : i) Samples will be analysed on first come first basis
ii) Sample Quantity required 1gm (Solid) & 25ml (Liquid sample)
iii) Measurement data will be sent by Email
iv) Presence of user during the measurement is mandatory.

**Sample Submitted By
(Name, Signature & Date)**

**Co-ordinator
Science Resource Centre**

**Received By
(For SRC)**

**Dr. Jyotsna Thakur
Incharge Faculty of Science**

**Dr. S. K. Patil
(Principal C.K. Thakur
A.C.S. College New
Panvel(Autonomous)**