

# VISIT TO JAYPEE UNIVERSITY

**8 DECEMBER 2023**

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Department of zoology organised a visit to jaypee university under DBT STAR College Scheme on 8th December 2023 with 40..... Students participating

The main objective was to visit the highly equipped labs , understanding their working environment and give exposure to students regarding research for further studies



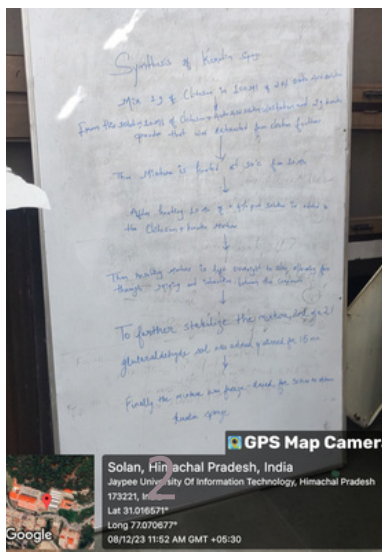
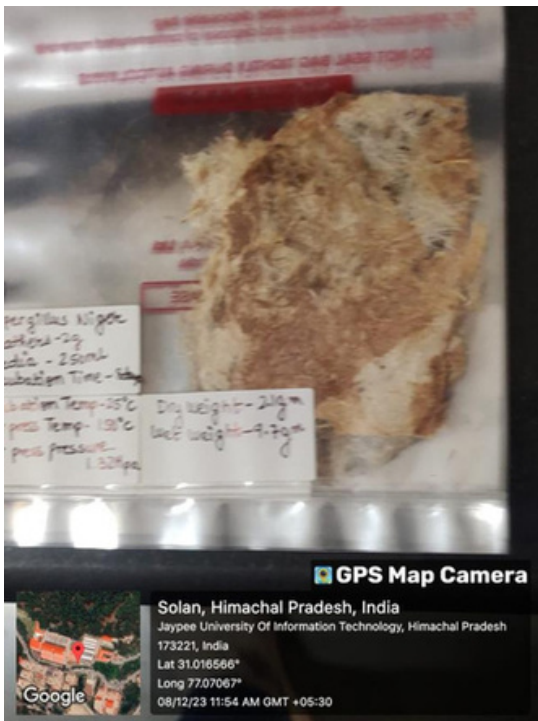
# Biomass lab

By Dr. Ashok kumar Nada

o Biomass conversion to make eco friendly produced that will be marketed in future.

o Polutary based waste converted into synthetic sponges ( to remove cationic dyes from water) , cream's , electrical insulator in association with fungus (Aspergillus niger) etc. .

o Also working on synthesis of bioplastic.



# Plant tissue culture lab

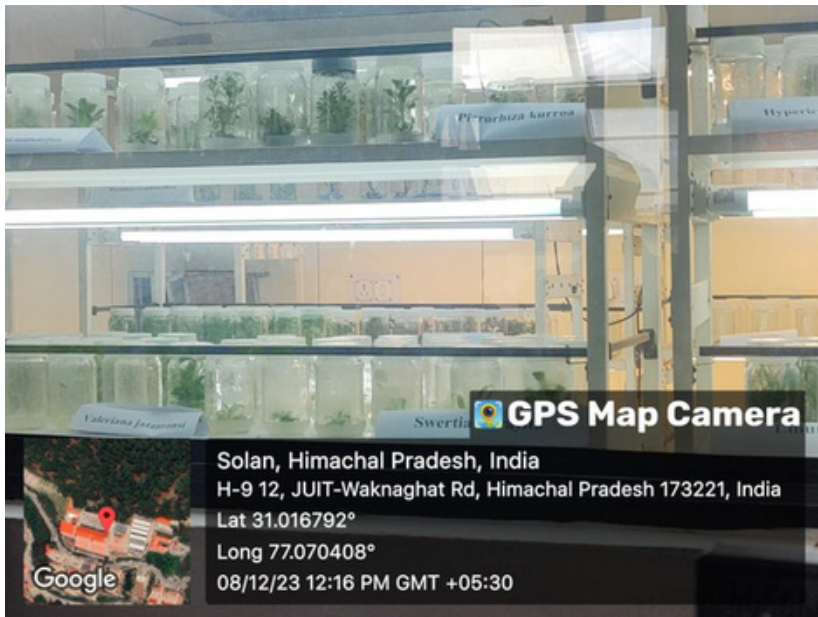
By- Dr. Himani sood.

o Culture of different important variety of plants by Micropropagation.

o From one mother plant to various new plant have be grown.

o Have grown almost 300 plants from 1 plant.

o Average cost of propagation flask is about 3000 – 6000 Rs.

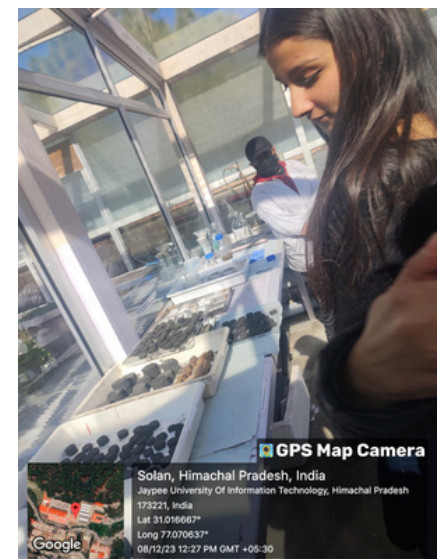


# Preservation and biogas synthesis

• Biogas formation from pine leaf.

- Pine leaves are crushed then pyrolysed and binder is added and the gas is ready for use.

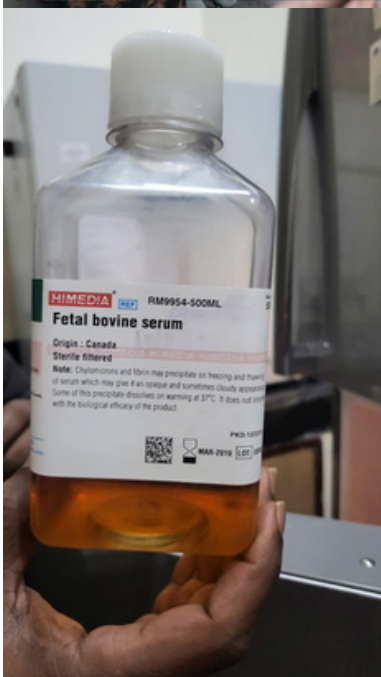
• Movable biogas.



# Protein LAB

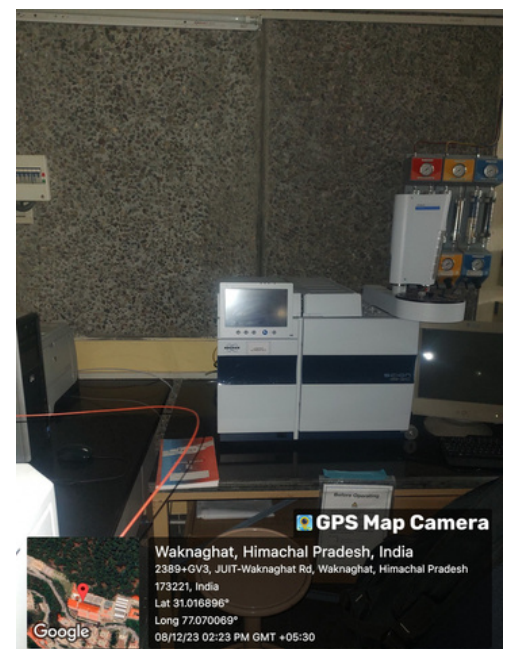
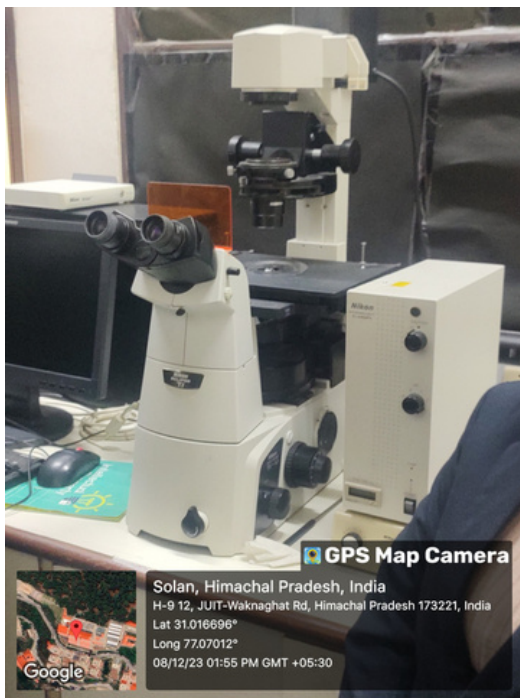
By Dr Uday Bhanu

bacteria culturing medium it's prepration under uv light in laminar airflow  
how bacteria is cultured using different stains for identification



# Equipment lab

Various equipments such as Flouroscent microscope, Electrophoresis ,PDA were shown



Lunch was served and after that we explored the campus for 10 minutes and a visit a full of new experience about working in labs comes to an end .



