



**Islamiah College (Autonomous)**  
**Vaniyambadi - 635 752**



**Report on**

**INDUSTRIAL VISIT**

**“SANKAR BIOTECH, HOSUR”**



**Organized by**



**PG & RESEARCH**  
**DEPARTMENT OF BIOTECHNOLOGY**

**24.08.2023**

**Dr. M.A. Farook**

**Co-ordinator**

**Assistant Professor**

## EXECUTIVE SUMMARY OF THE VISIT

A One Day Industrial Visit was organized by **Dr. H. Abdul Jaffar Ali**, Head, Department of Biotechnology with the permission of the Principal **Dr.T. Mohamed Ilyas**. A total of 56 students from II B.Sc. and II M.Sc. Biotechnology visited Sankar Biotech, a Plant Tissue Culture Industry located at Hosur on 24.08.2023. **Dr. M. A. Farook**, Assistant Professor of Biotechnology was the co-ordinator of the visit. **Mr. M. Mohammed Zeeshan** Assistant Professors of Biotechnology and **Mr. P. Md. Ayaz**, Lab Attender were also accompanied. This visit helped students to bridge the gap between theory and Practical. This visit will also help students' in future practical life and bring change in their practical behaviour regarding education and specializing their skills.

## BACKGROUND OF THE FIELD VISIT

Industrial visits are an essential part of the academic curriculum in both UG and PG programme in Biotechnology. Intending to go beyond classroom learning, the industrial visits contribute a lot in holistic student development by letting students learn about the current trends in the market, the future scenario of the industry and the new technologies that are being applied in the industry. With this backdrop, PG and Research Department of Biotechnology aims to endow the students with extraordinary skills of life making them not just job seekers but job creators. We equip our students with experiential learning by taking Biotechnology Students to various field visits to get in sighted into the applications of Biotechnology every year.

As a part of their curriculum, this year our II B.Sc. and II M.Sc. Biotechnology Students were taken in to Sankar Biotech, Hosur a leading Plant Tissue Industry in Hosur for enhancing their experiential and Hands on Learning in the domain of Plant Tissue Culture.

## VISIT TO SANKAR BIOTECH, HOSUR

Sankar Bio-Tech was commenced in the year 2011 with an aim to offer optimum quality products to their esteemed customers. They are instrumental in mass culturing of all kind of plants in aseptic condition and trading a wide range of products such as Aloe Vera, Banana (G9, Red, Ellaki, Udyam, and Nendran) Gerbera Plant, Anthurium Plant, Xanadu Plant and many more.

As per the Syllabus of Allied course – Plant Tissue Culture for Biotechnology Programme, the Students of II B.Sc., Biotechnology were taken to Sankar Biotech, Hosur on 24.08.2023. They visited various units such as Media Preparation Area, Washing Area, Aseptic Culture Transfer area, Culture Room, Plant Tissue Culture Conservation Bank, Nursery Garden etc.

On our arrival to Sankar Biotech, the Director **Mr. Sankar** warmly welcomed us. He had taken time of his busy schedule to arrange entire visit.

**Dr. Sivalingam Elayabalan**, the Technical Director/Agriculture Scientist at Sankar Bio-Tech gave an elaborate special lecture on PTC in ppt.

His interests are Agricultural Biotechnology (Plant cell, Tissue culture and Molecular Plant Virology); AI technology for banana pest and disease detection; Mass production of bio inoculants and plant cell line development; Promotion of organic banana cultivation; Import and Export of planting materials and fruits.

He gave complete knowledge and live experience on Plant Tissue Culture Technique, Media preparation, Contamination checking, Aseptic transfer of various explants, important cultivable species and its marketing need, exporting of plant saplings, recent developments in Plant tissue culture, disease outbreak and development of various kinds of tolerance plants by Plant tissue culture technique through in his vast experience.







After the complete visit to the technical lab and R & D lab, the students were taken to the Nursery Unit which is 3km away from the Lab Unit. The students were demonstrated the primary and secondary hardening in the field, separation of saplings, storage, plantation and packing of the saplings.

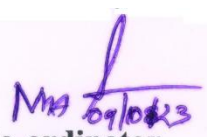
### OUTCOME OF THE VISIT


- Students gained the field experiences of different techniques of the plant tissue culture
- Understood the advantages of PTC over traditional methods of propagation.
- The technology and the equipment used for PTC were made familiar.
- Gained the hands on experience on the various processes involved in selection of explants, separation, storage and hardening in the field.
- Discussion on the difficulties faced and possible solutions to overcome these difficulties was held.

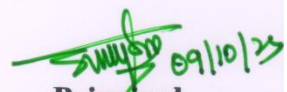




At the end, we reached our College at 9.00 pm on 24.08.2023. We express our sincere thanks to the management and particularly respected secretary and correspondent Janab L.M. Muneer Ahmed and respected Principal Dr. T. Mohamed Ilyas for their unflinching support and constant encouragement.

  
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