

## Report

on

### An educational tour to Varsha Bioscience and Technology India Pvt Ltd, Choutuppal, Nalgonda

Dated: 20-04-2022

An educational tour was planned by Mrs A. Padmaja, HOD, Department of Microbiology and Mr. G. Raghavendra, Lecturer, Department of Microbiology for 55 no. of students from II and III year Mb.Bt.C. to Varsha Bioscience and Technology India Pvt Ltd, Choutuppal, Nalgonda. This tour was mainly **aimed** to educate the students about the fermentation technologies followed in Biofertilizer industry and also the job opportunities. The scientific team involving Quality control head, production head and other technical staff gave insight in to the Microbial cultures preservation, fermentation technology and production technology to our BTMBC II and III year.



## Report

On

### SPECIAL CAMP FOR BLOOD GROUPING Conducted on 24-03.2022, Time – 09.00AM

Venue –KMCL, Narayanaguda, Hyderabad

The program was planned by Mrs. A.Padmaja, Head, Department of Microbiology, KMICS by the direction of Dr. J. Nageshwara Rao, Director, KMICS and Dr. K. Someshwar Rao, Principal, KMICS. The program was organized by Department of Microbiology, Keshav Memorial Institute of Commerce and Sciences in association with Keshav Nyay Pragnya Parishad and Keshav Memorial College of Law. The **main motto** of program is to make students of Keshav Memorial Institute of Commerce and Sciences (UG and PG) and Keshav Memorial College of Law aware of their blood group and further educate them on who can receive the blood from whom and also sensitize to become a volunteer donor for the needful person. 24 trained microbiology students have been supervised by lab technicians and HOD, Staff, Microbiology Dept., KMICS. Around 365 students participated in the campaign.

Red blood cell compatibility table

Recipient	Donor							
	O-	O+	A-	A+	B-	B+	AB-	AB+
O-	✓	✗	✗	✗	✗	✗	✗	✗
O+	✓	✓	✗	✗	✗	✗	✗	✗
A-	✓	✗	✓	✗	✗	✗	✗	✗
A+	✓	✓	✓	✓	✗	✗	✗	✗
B-	✓	✗	✗	✗	✓	✗	✗	✗
B+	✓	✓	✗	✗	✓	✓	✗	✗
AB-	✓	✗	✓	✗	✓	✗	✓	✗
AB+	✓	✓	✓	✓	✓	✓	✓	✓

NAME:	
Blood Group Report	
Signature of the technician	





**KESHAV MEMORIAL INSTITUTE OF COMMERCE AND SCIENCES  
Narayanaguda, Hyderabad- 500029**

**REPORT ON THE VISIT TO OSMANIA UNIVERSITY [OSMANIA TAKSH – 2022 (OPEN DAY)]**

**Dated: 24-03-2022**

Mrs. A. Padmaja, HOD, Department of Microbiology, Keshav Memorial Institute of Commerce and Sciences has arranged a trip for 22 number of students from third year undergraduate students of BTMBC, to Department of Microbiology, Osmania University, Hyderabad, on account of its open day on 24th March 2022. Students got the chance to learn about various on-going projects in Research lab of Department of Microbiology, CENTRE FOR MICROBIAL AND FERMENTATION TECHNOLOGY (CMFT), in Osmania University (OU). Students interacted with Post Graduate students, Research scholars of OU. Students also got the chance to interact with Professors in the Department. Students got the opportunity to see equipment's like HPLC Grade water facility, Real Time PCR system, Diode Array Detector, Manual Injector.

A university open day is a day throughout the year, when a university invites prospective students onto their campus to take a look around. It's a time when students can freely wander around the university, have a look at student accommodation, check out computer, library and cafe facilities, and generally get a feel for the place. Students can also be able to meet staff and current students, and find out more about different study programs and extra-curricular activities.



**KESHAV MEMORIAL INSTITUTE OF COMMERCE AND SCIENCES**  
**Narayanaguda, Hyderabad- 500029**  
**REPORT ON INTERNATIONAL WEBINAR ON**  
**“MICROBIAL BIOPOLYMERS”**  
**DATE – 27/01/2022**

The webinar was organized by Mrs. A. Padmaja, HOD of the department of microbiology to be conducted on 27th January, 2022. Our respected principal Dr. K. Someshwara Rao, had encouraged the idea of Mrs. A. Padmaja to impart knowledge of Biopolymers to BTMBC students by conducting the webinar. He stood as the backbone of the idea and extended guidance to the department of microbiology in every step.

The purpose of the webinar was to make students aware of the concept of Biopolymers and present scenario of their biodegradability, low toxicity and renewable nature. The resource person gave an insight in to the regenerative medicines, tissue engineering, drug delivery and medical applications of biopolymers. She also presented the production of biopolymers from living organisms and through processive enzymes.

Dr. Amulya Kotamraju M.Sc Ph.D. Post Doctoral Researcher, National University of Ireland, Galway, US. She has done her PhD in Biological Sciences from Academy of Innovative Research, CSIR – IICT, Hyderabad, India under the supervision of Dr. S. Venkata Mohan, Senior Principal Scientist. Her Doctoral Research mainly focused on the production of two important Bio based products that is Poly Hydroxy Alkanoates – a bio degradable polymer and Bio based Succinic acid, a chemical for renewable feed stock. Her primary objective was to gain indepth knowledge of both production process and possible integration for the development of waste biorefinery. She has published a total of 13 Research papers, 6 Review articles in prestigious journals like Chemical Engineering (IF – 13.27), Bio Resource technology (IF – 9.64), J. of Cleaner Production (IF – 7.49) and 4 book chapters with totl citation of 830 and cumulative IF of 153. She was awarded with Dr. APJ Abdul Kalam award for Best PhD thesis in 2021 with cash prize given by ISEES.

**KESHAV MEMORIAL INSTITUTE OF COMMERCE AND SCIENCES**  
**Narayanguda, Hyderabad**  
**International Webinar**  
**on**  
**MICROBIAL BIOPOLYMERS**

**DATE – 27/01/2022**  
**TIME – 2.30 IST**

**Resource Person**

**Dr. Amulya Kotamraju**  
**Post Doctoral Researcher**  
**National University of Ireland**  
**Galway**

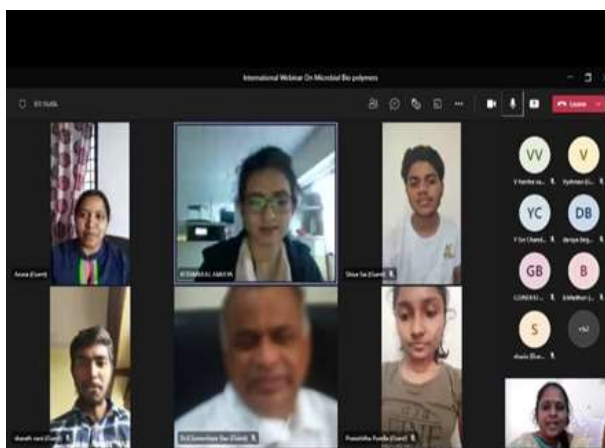
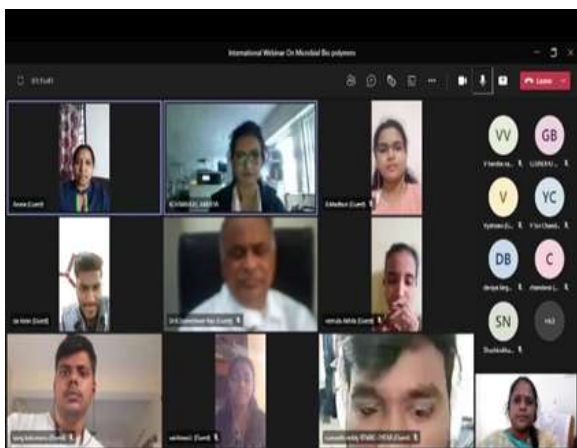
**ORGANIZED BY**  
**DEPARTMENT OF MICROBIOLOGY**  
**E-certificates will be provided**

**CONVENOR**  
**A. Padmaja**

**CO-CONVENOR**  
**G. Raghavendra**

**PRINCIPAL**  
**K. Someshwara Rao**

**REGISTRATION LINK**



Webinar was attended by Various colleges HOD's – Rama Kalyani, Head, Dept. of Microbiology, HRD Degree and PG College, Narayanguda, Hyderabad, Sirisha, Head, Dept. of Microbiology, Shyamala Devi Degree and PG College, Barkathpura, Hyderabad, Kanaka Durga, Head, Dept. of Microbiology, Nobel Degree and PG College, Dilsuknagar, Hyderabad.

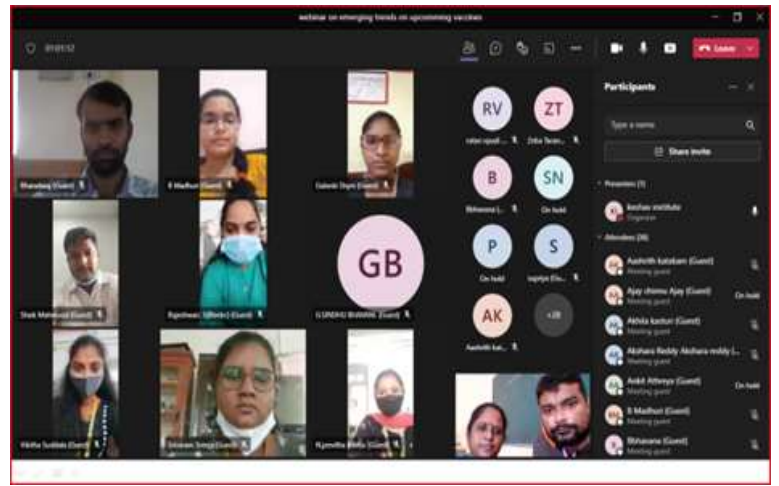
**KESHAV MEMORIAL INSTITUTE OF COMMERCE AND SCIENCES**  
Narayanaguda, Hyderabad- 500029  
**REPORT ON NATIONAL WEBINAR (SERIES OF LECTURES) ON**  
**"EMERGING TRENDS ON UPCOMING VACCINES" and**  
**"GENERAL ASPECTS OF PLANT METABOLIC ENGINEERING"**  
**DATE – 10/02/2022**

**The webinar series** was organized by Mrs. A. Padmaja, HOD of the department of microbiology to be conducted on 10th February, 2022. Our respected principal Dr. K. Someshwara Rao, had encouraged the thought of Mrs. A. Padmaja to organize the webinar by being the backbone of the idea and guiding the department of microbiology with every step.

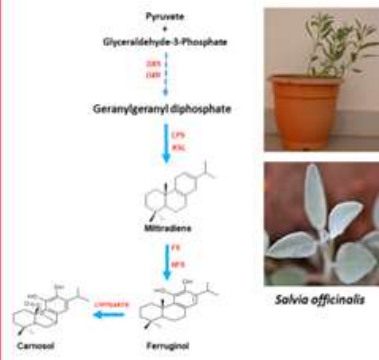
**The aim** of the webinar was to impart knowledge on new upcoming vaccines in view COVID pandemic and on plant metabolic engineering. The resource persons gave an insight in to their respective fields which made students incline to the on-going research.

**Key speakers:**

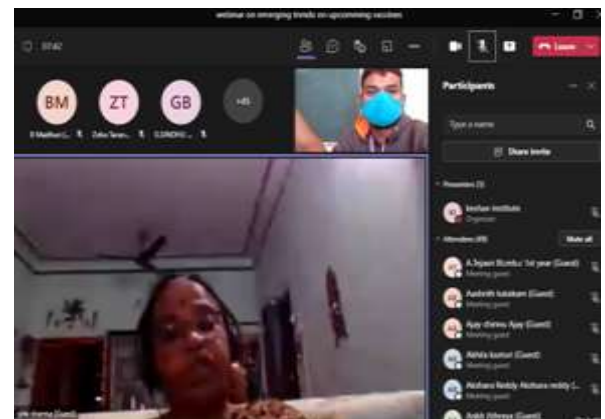
1. Dr. Gita Sharma M.Sc Ph.D. (Genetics), Director, Research and Quality Control, Tapadia Diagnostics, Hyderabad who is a distinguished experienced Professor with 32 years in Microbiology, Department of Microbiology, Osmania University.
2. R.K.B. Bhardwaj, Ph.D.( Ex-student of Keshav Memorial institute of Commerce and Sciences Bt/Mb/C) Candidate Scientist, Plant Genetic Engineering Laboratory, Department of Biotechnology, Bharathiar University, Coimbatore, Tamil Nadu, India was the second speaker of the series.



### Enhancement of metabolites through Methyl Jasmonate Treatment



- Spraying the 200µM of Methyl jasmonate on *S. officinalis* leaves
- Collecting the leaf tissue at 0, 2, 6, 12, 24, 48 hrs of time interval
- Isolation total RNA and converting to complimentary DNA
- Analyzing the gene expression through Real-Time PCR
- Analyzing the metabol HPLC





KESHAV MEMORIAL INSTITUTE OF COMMERCE AND SCIENCES  
Narayanaguda, Hyderabad- 500029

**REPORT ON SEMINAR ON**

**“ARTIFICIAL INTELLIGENCE (AI) IN MICROBIOLOGY”**

**DATE – 23/12/2021**

**TIME – 12.30 PM VENUE – SV HALL, KMICS**



**ORGANISED BY THE DEPARTMENT OF MICROBIOLOGY**

**IN COLLARABORATION WITH**

**RESEARCH & DEVELOPMENT CENTER, KMIT**

**M/s TAPADIA DIAGNOSTIC CENTER, PVT, LTD, HYDERABAD**

The seminar was organized by Mrs. A. Padmaja, HOD Department of microbiology (Convener) and G. Raghavendra, Lecturer, Department of Microbiology (Co-Convener) in collaboration with Research & Development center, KMIT and M/s Tapadia Diagnostic Center, pvt, Ltd, Hyderabad on 23th December, 2021. Our respected principal Dr. K. Someshwara Rao, had encouraged the thought of Mrs. A. Padmaja to organize the seminar by being the backbone of the idea and guiding the department of microbiology with every step.

**The aim** of the seminar was to give the students the idea about ongoing cancer project on “Training on Digital Pathology Annotations For Breast Cancer”.

**The project was commenced** on 15th December 2020 with inaugural function presided by Dr. Neil Gogte, Founder Director, KMIT and felicitated by Prof. J. Nageshwara Rao, Director KMES and Dr. K. Someshwara Rao, Principal, KMICS.

**The objective** of the seminar was to make the students aware of the importance of AI in microbiology and annotations procedures used to diagnose breast cancer.

**Key speakers:** Dr. Rohit Tapadia, MBBS, MD, Onco-pathologist. Director M/s Tapadia Diagnostic Center, pvt, Ltd, Hyderabad and Dr. R. Devika Rubi, Ph.D Associate Professor, Department of Computer Science (R & D), KMIT was invited as guest speakers.

