

## Academic Year 2021-22

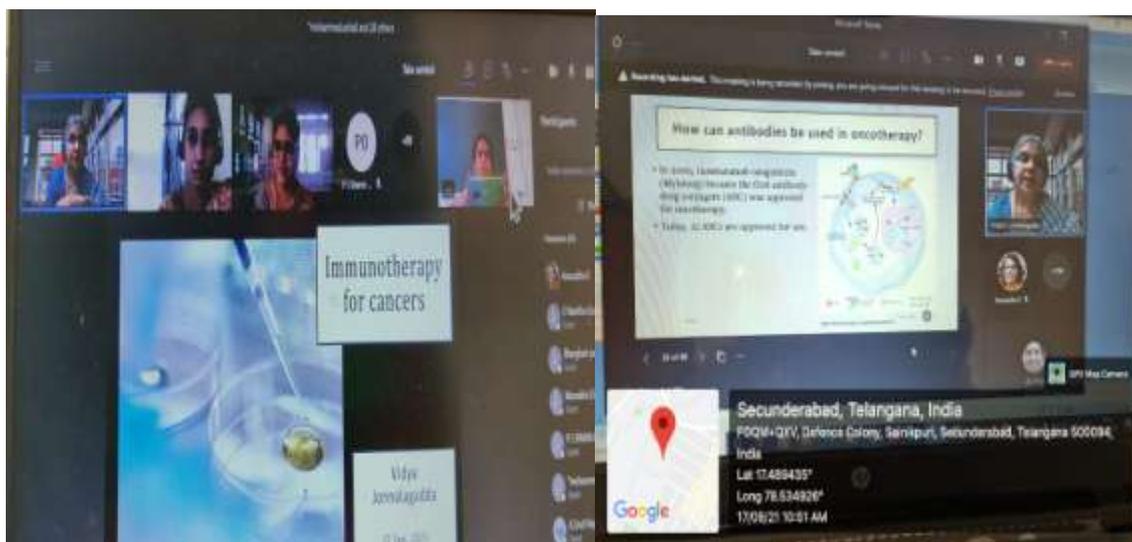
### International Microorganism Day-2021

**International Microorganisms Day** was celebrated by **Science club and Department of Microbiology, BVC** in association with **AMI unit, Hyderabad Unit** under DBT star college scheme on **17<sup>th</sup> September 2021** at 12.30pm. Dr K. Anuradha, Head, Dept of Microbiology, BVC presented the welcome address followed by Dr Y. Ashok, principal, BVC address the gathering. The inaugural message was given by the chief guest of the program **Prof Dr Ch. Venkat Ramana, President, AMI Hyderabad unit, Dept of plant sciences, University of Hyderabad**. The chief guest elucidated the role of microbes in every walk of human life. A total of 125 students from various colleges had participated in the session. The inaugural message was followed by online quiz and JAM- My favorite microbe in which about 92 enthusiastic participants were involved. The session was ended up by Dr Y. Aparna, Asst. professor, Dept of Microbiology with a vote of thanks.



## GUEST LECTURE ON “IMMUNOTHERAPY OF CANCER”

Department of Microbiology organized a guest lecture on the topic ‘immunotherapy of cancer’ on 17<sup>th</sup> September 2021 at 10.00am under DBT star college scheme. Dr Vidya Jonnalagadda, site head, Aarkus therapeutics India PVT. LTD, the resource person explained about basis of tumor formation, role of mutations in regulating tumor suppressor genes, various viruses causing cancer. She highlighted the scope of immunotherapy in cancer treatment and elaborated on the mechanism of action of antibodies tagged by drugs in cancer therapy. A total of 112 participants including undergraduate and postgraduate students attended the session.

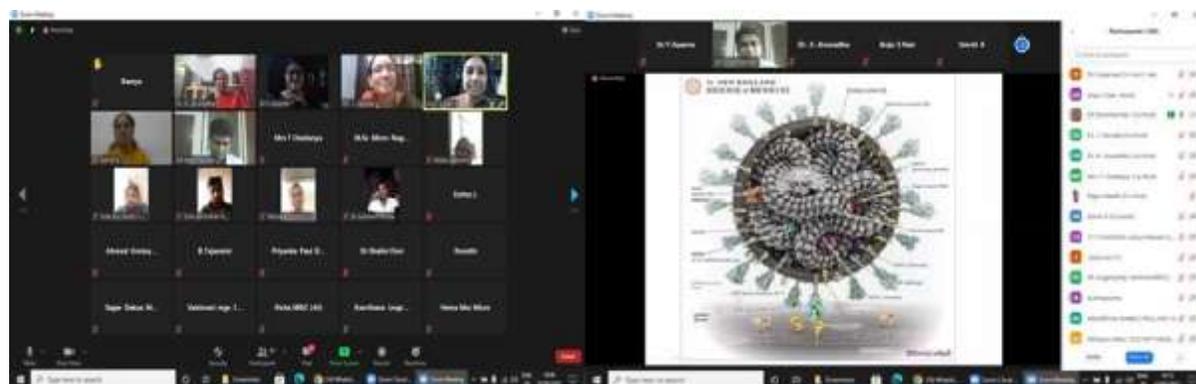


Academic Year 2020-21

## A Guest lecture on

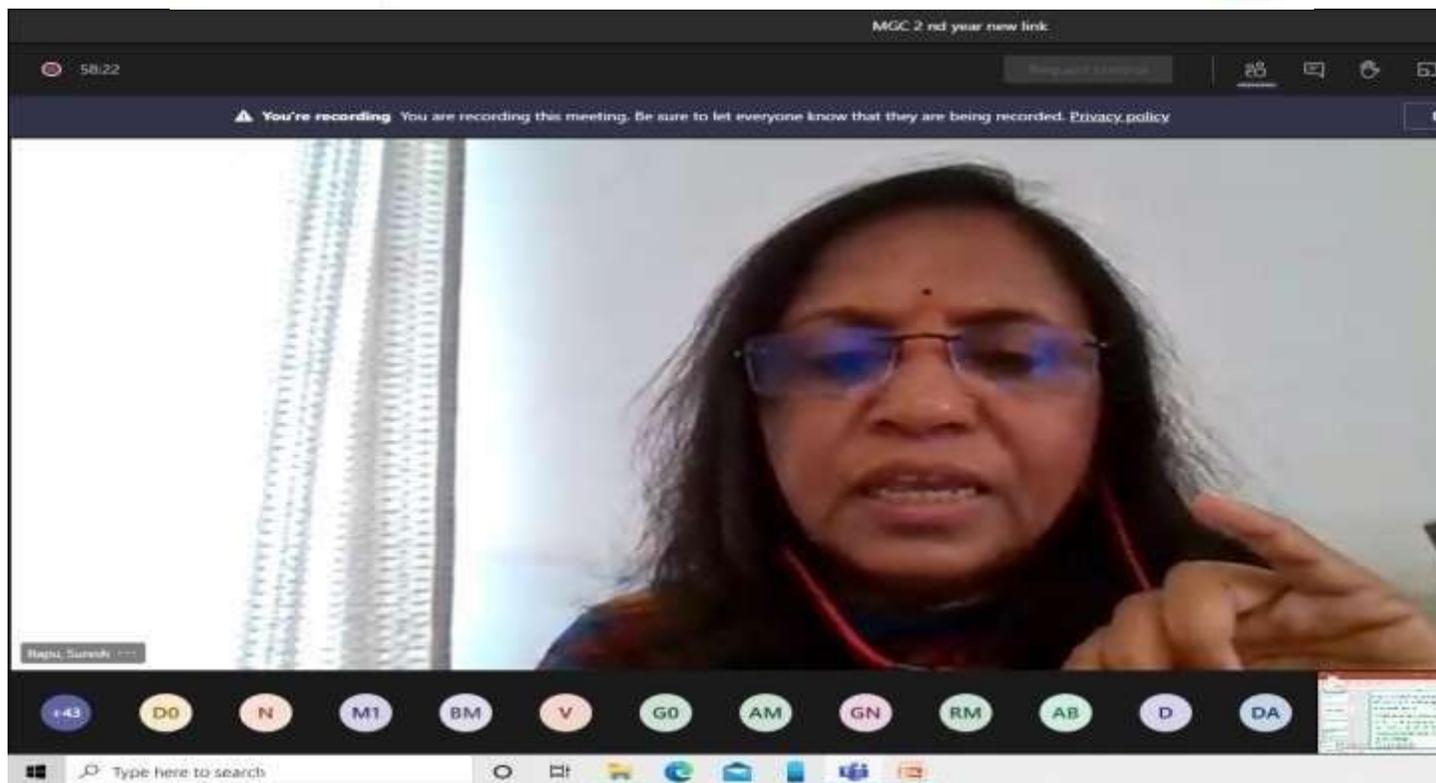
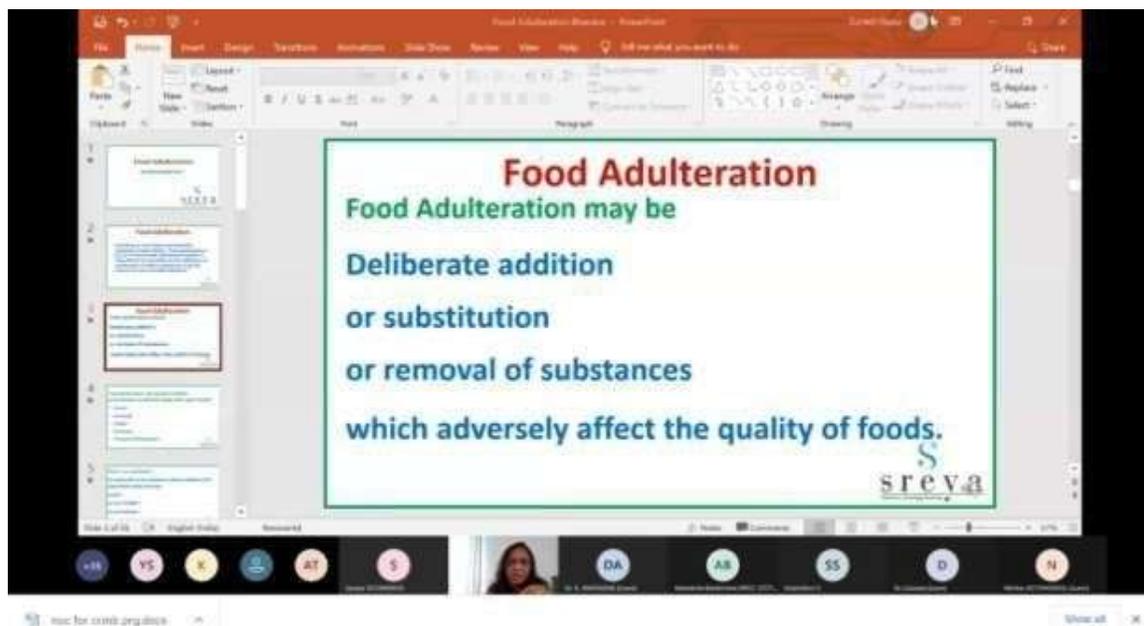
### Understanding the facts on Covid-19 vaccines versus new variants

Department of Microbiology organized an Online- Guest Lecture by Dr P Veera Bramhachari, Senior faculty & HOD, Department of Biotechnology, Krishna university, Machilipatnam on 22<sup>nd</sup> May 2021. The Guest lecture was followed by an interactive session with the audience regarding various issues related to COVID -19 pandemic. Dr P Veera Bramhachari gave detailed information on the emergence of new Covid-19 virus its structural details along with cellular tropism and how it is efficient in invasion of lungs by immunological imbalance. Also emphasized on the Gene cluster diversification especially BatCoV RaTG13, Genome epidemiology and importance to study about variants (UK-B.1.1.7, South Africa-B.1.351) as these contain Polybasic cleavage site-more prone to mutations along with neutralization mechanism by various Covid-19 vaccines. There were about 200 enthusiastic participants including students and faculty.



## A GUEST LECTURE ON FOOD ADULTERATION

Department of Microbiology has organized a guest lecture on 23.1.2021 by **Dr. Kavitha, Director, Shreya Nutrition** for B.Sc (MGC, MBiC-3<sup>rd</sup> year) and M.Sc final year students of Microbiology. The title of the topic was “**FOOD ADULTERATION**”. She emphasized on different kinds of food adulterants and toxic effects of food adulteration. The lecture enlightened the students with various simple methods that can be employed to detect adulteration of food. Dr Kavitha also elaborated about regulations and laws made by government to control food adulteration.





# BHAVAN'S VIVEKANANDA COLLEGE

of Science, Humanities & Commerce

Sainikpuri, Secunderabad - 500094

Autonomous College, Affiliated to O.U.

Accredited with 'A' Grade by NAAC

## Guest Lecture on "FOOD ADULTERATION"

23<sup>rd</sup> January, 2021

1:00 pm



*Speaker*

**DR. KAVITHA**

*Director Sreya Nutrition*



Organized by  
**Department of Microbiology**  
Under DBT-Star College Scheme

Session ID will be shared through email/whatsapp

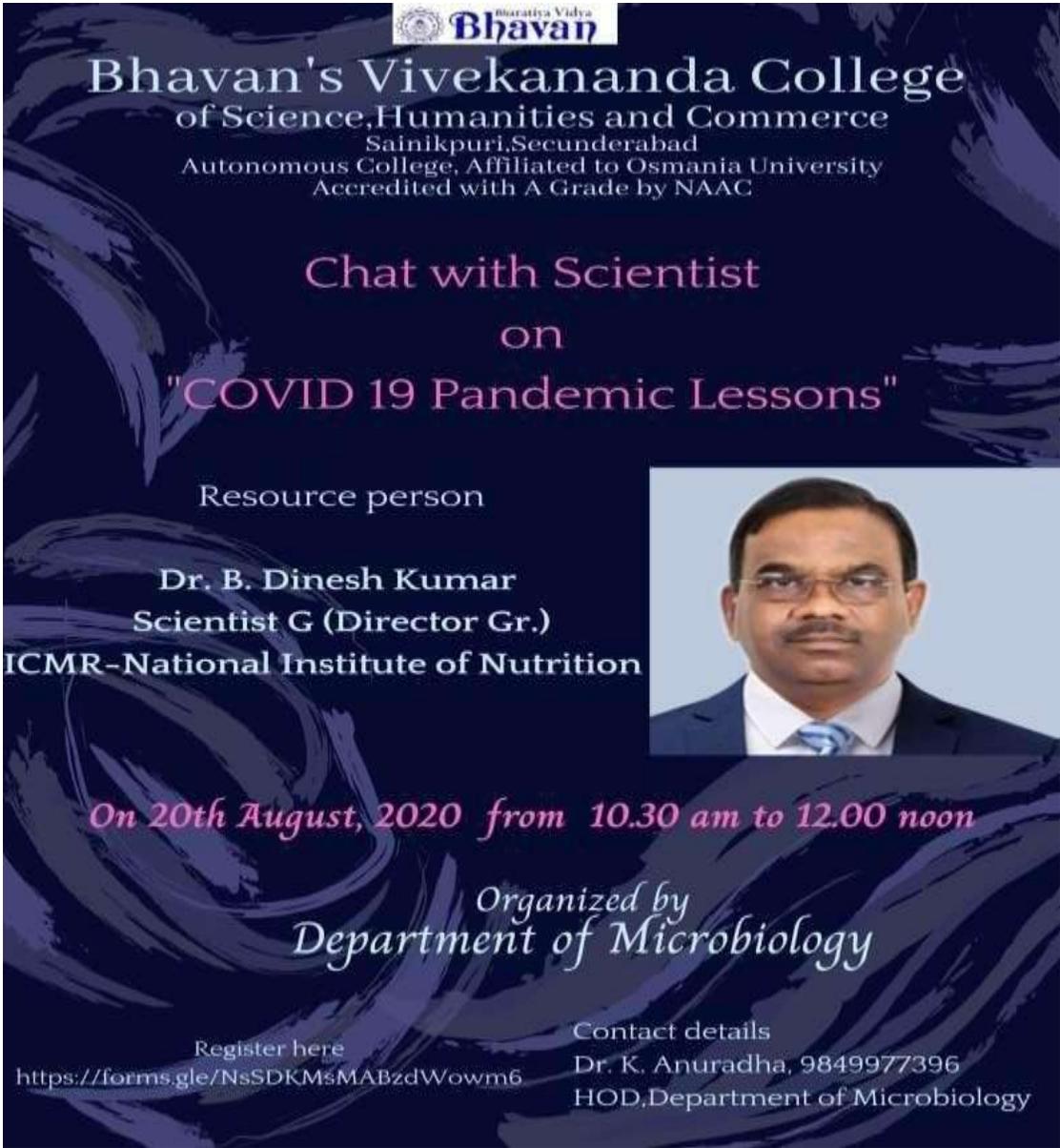
Platform: Microsoft Teams

Contact:

Dr. K. Anuradha  
Head, Dept of Microbiology  
9849977396

## Chat with Scientist on COVID 19 Pandemic

Department of Microbiology organized a Guest Lecture by Dr.B.Dinesh Kumar, Scientist G (Director Gr.) ICMR – National Institute of Nutrition on 20<sup>th</sup> August 2020. The Guest lecture was followed by an interactive session with the audience regarding various issues related to COVID 19 pandemic. Dr.B.Dinesh gave detailed information on the guidelines specified by ICMR regarding the precautionary measures, treatment strategies and future endeavors in confronting the pandemic outbreak. There were about 300 people as audience that included students, academicians and professionals from various fields.



**Bhavan's Vivekananda College**  
of Science, Humanities and Commerce  
Sainikpuri, Secunderabad  
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**Chat with Scientist**  
on  
**"COVID 19 Pandemic Lessons"**

Resource person

**Dr. B. Dinesh Kumar**  
Scientist G (Director Gr.)  
ICMR-National Institute of Nutrition



*On 20<sup>th</sup> August, 2020 from 10.30 am to 12.00 noon*

*Organized by*  
**Department of Microbiology**

Register here  
<https://forms.gle/NsSDKMsMABzdWowm6>

Contact details  
Dr. K. Anuradha, 9849977396  
HOD, Department of Microbiology

### Coronavirus

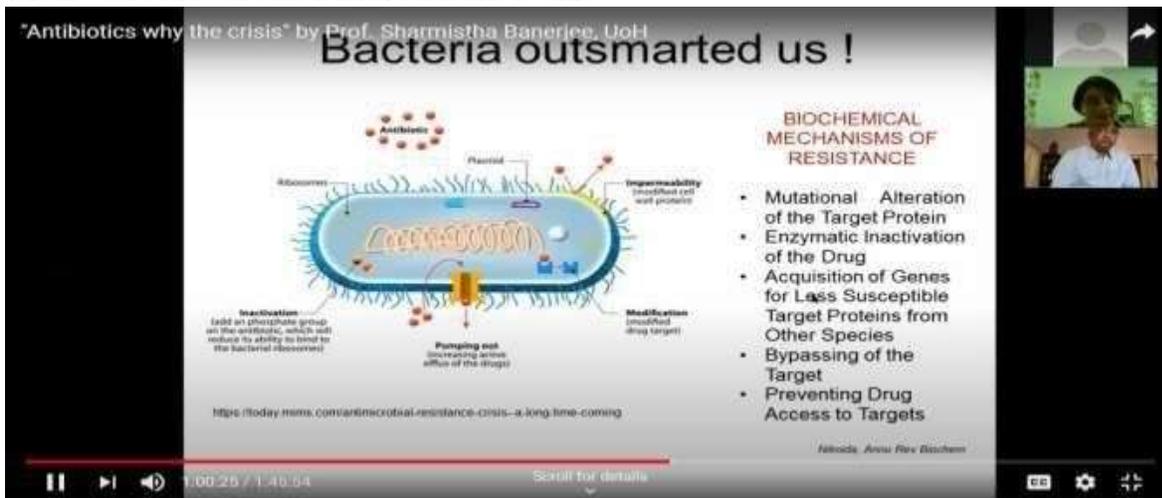
- This has a unique pathogenesis because it causes both upper and lower respiratory tract infections and can also cause Gastroenteritis.
- In 2003 The SARS epidemic resulted in over 8,000 infections, about 10% of which resulted in death.
- In September 2012, what is believed to be a sixth new type of coronavirus, tentatively referred to as Novel Coronavirus 2012, being the SARS that still distinct from it and from the common cold coronavirus was discovered in Qatar and Saudi Arabia.






# “Antibiotics: Why the Crisis”

Department of Microbiology organized a webinar on “ **Antibiotics : Why the Crisis**” on 15<sup>th</sup>May, 2020 (11.00 am- 12.00noon). Prof. Sharmishtha Banerjee from Department of Biochemistry, University of Hyderabad was the guest speaker for the event. She spoke on the relevance of antibiotic therapy and the multi drug resistance leading to crisis. She briefed on the emergence of antibiotic resistant bacteria and its consequences. The focus of the talk was to understand why antibiotic resistance has been dubbed as „the end of modern medicine“ and is considered a grand global health challenge. She discussed on what antibiotics are, how bacteria develop resistance to these, why to be careful in its usage, and explained the efforts in finding alternate solutions to antibiotic resistance and how we can put a stop to it.



## Academic Year 2019-20

### GUEST LECTURE ON : “Role of microbes in cancer and its prevention”

**Dr VenkateshwarMadka**, Asst professor of Research, University of Oklahoma HSC,USA delivered a lecture on “**Role of microbes in cancer and its prevention**” on 30-7-2019. Undergraduate and postgraduate microbiology students attended the lecture with great enthusiasm. Types of cancers, cancer causing agents, vaccination for cancer prevention and the role of probiotic bacteria in prevention of different types of cancers were discussed in this presentation. Students interacted with the guest speaker and discussed on novel methods of cancer detection and therapy methods. Guest speaker, Dr VenkateshwarMadka also highlighted the impact of lifestyle and nutrition in cancer prevention .



# GUEST LECTURE ON : “Bacterial growth and morphogenesis”

## Department of Microbiology

Department of Microbiology has organized a guest lecture on 23.7.19 by **Dr. Manjula Reddy, Chief Scientist, CCMB** for B.Sc (MGC, MBiC-3<sup>rd</sup>year) and M.Sc final year students of Microbiology. The title of the topic was “**Bacterial growth and morphogenesis**”. She emphasized on importance of cross link cleavage in bacterial peptidoglycan synthesis and expansion of PG sacculus. The lecture also highlighted on function of synthetic Mep K and MepS in cleavage of intact PG sacculi as it is a prerequisite to make space for incorporation of nascent glycan strands for its successful expansion



## Academic Year 2018-19

### **GUEST LECTURE ON: “Technical and Regulatory Challenges biopharmaceutical Development”.**

Department of Microbiology has organized a guest lecture on 15.9.18 by **Dr. Sai Ram** for B.Sc and M.Sc final year students of Microbiology. The title of the topic was “**Technical and Regulatory Challenges biopharmaceutical Development**”. He emphasized on various challenges faced during development of drugs.



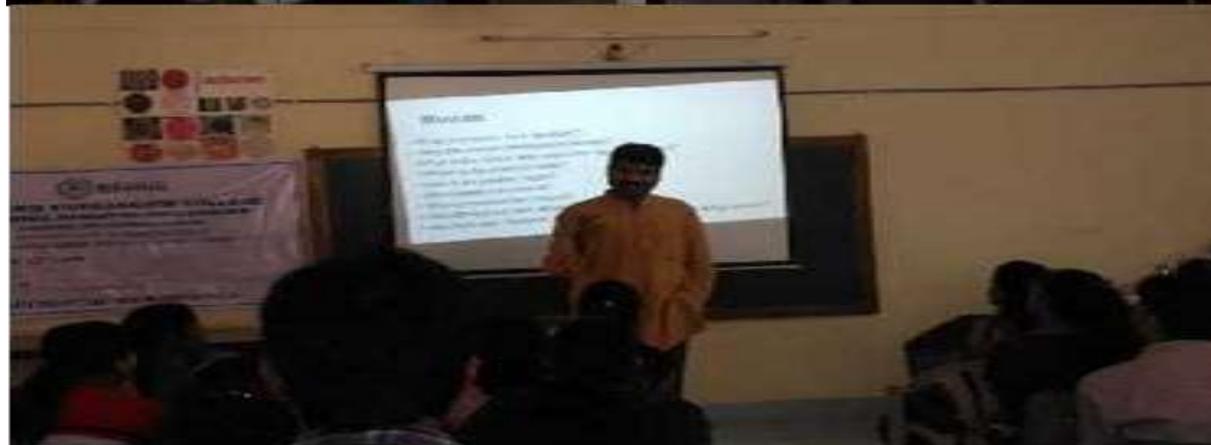
## **GUEST LECTURE ON: “Interactive discussion on HIV and Brain cancer”.**

Department of Microbiology has organized a guest lecture on 22.1.19 by Dr.VinayakaR.Prasad and Dr.Ganjam V Kalpana From Albert Einstein ,University of medicinefor B.Sc and M.Sc students of Microbiology. The title of the topic was “Interactive discussion on HIV and Brain cancer”. Guest speakers elaborated on various molecular aspects of HIV and brain cancer.



## **GUEST LECTURE ON: “career guidance”.**

Department of Microbiology has organized a guest lecture on 7.2.2019 by Dr. Anil Challa for B.Sc and M.Sc final year students of Microbiology. The title of the topic was “career guidance”. He emphasized on various opportunities for microbiology students.



## Academic Year 2017-18

### GUEST LECTURE ON:

**“My Journey in Bioinformatics and Biotechnology.”-**

**By** Shri. Anil Kumar Kapu, Director, Antel Enterprises (Pvt. Ltd.), Antel Molecular Diagnostics

A guest lecture was organized by the department on 22 -12-2017. The guest speaker Shri. Anil Kumar Kapu, Director, Antel Enterprises (Pvt. Ltd.), Antel Molecular Diagnostics spoke on “My Journey in Bioinformatics and Biotechnology.” He briefed his experiences in the field of bioinformatics and his journey in establishing the enterprise. As part of his talk he motivated students to take up careers related to bioinformatics and also gave details about the opportunities in this field.



## **Academic Year 2016-17**

### **GUEST LECTURE ON: “Circulating glycoprotein indicators of cancers of the gastro intestinal tract”.**

A guest lecture was organized by the Department of Microbiology on 14-2-2017. The speaker Dr. Laxman Varanasi, Post Doctoral Fellow, Institute of Molecular and Translational Medicine; Palacky University Olomouc, Czech Republic gave lecture on “Circulating glycoprotein indicators of cancers of the gastro intestinal tract”.



Department Organizes National Seminar/Symposium/Workshops, Intercollegiate events like - "Annual A.L.S. / Gyan TaranginiVyakhyanamala, Bhavanotsav-Greenergy Intercollegiate fest, Poster/Paper Presentation by Students", Guest Lectures by eminent scientists, Visits to Industries and Research Centers, Outreach programs, Community awareness programme - Waste Management, Summer Projects, Model CSIR Exam, Certificate course on Bio- informatics and Science Club activities.

### **GYANTARANGINI VYAKHYANAMALA-2017**

The annual lecture series GYANTARANGINI VYAKHYANAMALA-2017 was inaugurated by Prof. Ravindranath, Dean, Academic Affairs, Maulana Azad National Urdu University, Hyderabad. This was followed by his key note address on "Biosensors –As cutting edge Diagnostic tools". A total of 35 students and faculty from 6 different colleges like Aurora Degree and PG college, Mumtaz college, St. Francis college for women, University college of Science, Saifabad, Govt. Degree college, Hussainialam, Osmania University campus have participated in this event. Prof. Suman Kapur, Senior Professor, Department of Biological Sciences, Birla Institute of Technology & Science, Pilani, Hyderabad Campus delivered a lecture on "Biomarkers". This was followed by another lecture by Prof. Lakshmi Vemu, Head, Dept of Microbiology, NIMS, Hyderabad. She spoke on "Real time loop mediated amplification assay – A potential point of care test in the diagnosis of infectious diseases. The lecture session was followed by scientific writing. Afternoon session was started with paper presentation, followed by poster presentations by PG students from Biochemistry and Microbiology departments of this college and other colleges. Dr. Sudip Ghosh, NIN, Hyderabad and Dr. Vasavi Mohan, Department of Genetics and Molecular Medicine, Vasavi Medical and Research Centre, Hyderabad were the judges for these competitions. GTVM was concluded with a valedictory function. Dr. Sudip Ghosh and Dr. Vasavi Mohan gave away the prizes to the winners of the various events including poster and paper presentations, scientific writing and quiz.



Guest Lecture 2016-17

## **GUEST LECTURE ON: “Dissecting the physiology and pathogenic mechanism of Mycobacterium tuberculosis”**

Department of Microbiology organized a Guest lecture on 11.1.2017 for the students of B.Sc Microbiology and M.Sc (Microbiology & Biochemistry).

The invited guest speaker was Raghunand.R.Tirumalai, Senior Scientist, and CCMB Hyderabad. The topic was- “Dissecting the physiology and pathogenic mechanism of Mycobacterium tuberculosis”. He gave a preview of the pathogenesis, Virulence and the factors that are responsible for the development of multi drug resistant Mycobacterium tuberculosis. The lecture included the details of the current research undertaken by him, in identifying the various proteins that can be used as new drug targets. During his interaction with students, he shared his experiences as a scientist and guided the students to take up career in the field of research.



## Guest Lecture 2016-17

### **GUEST LECTURE ON: “In Search of novel Cancer relavent targets by “omics” and Modulation of Drug targets by small molecules: Chemical biology approach”**

A guest lecture was organized by Department of Microbiology on 5-11-2016 by Dr. U. Ramesh, Scientist from IICT ,Tarnaka, Hyderabad. He enlightened the students of M.Sc and B.Sc ( Final) microbiology students on the various aspects in the topic “In Search of novel Cancer relavent targets by “omics” and Modulation of Drug targets by small molecules: Chemical biology approach”



