



# **Little Flower Degree College**

(Affiliated to Osmania University)

Uppal, Hyderabad

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**LEAD TO ILLUMINATE**



## **MICRO BIOLOGY**

**2019-20**



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## DEPARTMENT OF MICROBIOLOGY ANNUAL REPORT FOR ACADEMIC YEAR 2019 - 20 INDEX

S. No	Date	Event	Venue	No of Participants
1	19-07-2019	FDP	St. Francis College for Women, Begumpet	1
2	20-07-2019	SEMINAR BY PRAGNA BHARATI	Badruka College Seminar Hall, Hyderabad	1
3	08-08-2019	FIELD TRIP	PROFESSOR JAYASHANKAR TELANGANA STATE AGRICULTURAL UNIVERSITY (PJ TSAU)	56
4	09-09-2019	SEMINAR· Microorganisms of plant Vs Microorganisms of Human being	LFDC Seminar Hall	47
5	06-12-2019 & 07-12-2019	TWO DAY INTERNATIONAL CONFERENCE	St. Pious X Degree and PG college for women, Hyderabad	1
6	30/12/2019	INTERCOLLEGIATE COMPETITION	LFDC	19
7	03-01- 2020	One Day Workshop	HCU	1
8	06/01/2020	Guest Lecture Environmental Sustainability	LFDC Seminar Hall	20
9	06/01/2020	INTRA COLLEGIATE IMMUNO RANGOLI COMPETITIONS	LFDC Campus	8
10	27-01-2020	FIELD TRIP	CDFD, Hyderabad	20
11	19/02/2020	WWM 2ND INTERNATIONAL CONFERENCE AND EXPO	Manohar Hotel seminar hall, Hyderabad	1
	18th May June 2020	Webinar on “MICROBIAL TRANSFORMATION OF WASTE FOR RENEWABLE CHEMICALS, FUELS AND MATERIALS”.	zoom meeting online	335



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### FDP

**TOPICS:** Leadership Building and Professionalism at workplace

**VENUE:** St. Francis College for Women, Begumpet

**DATE:** 19-07-2019

**TIME:** 02:00Pm to 04:00pm

**No of Participants:** 01

**Mrs. J. Usha Rani** Assistant Professor from the Department of Microbiology attended a lecture on **Leadership Building and Professionalism at workplace** by **Dr. Anand Pillai**, Managing Director of Leadership Matters, and Adjunct Professor for Strategy and Leadership at IMT, Ghaziabad conducted by St. Francis College for Women, Begumpet on 19<sup>th</sup> July 2019. The objective of the program is to learn professional ethics at the workplace. Faculty from various colleges and universities Gained knowledge of leadership skills, and professionalism management at workplace.



Mrs. J. Usha Rani, Lecturer from the Department of Microbiology attended a lecture on Leadership Building and Professionalism at the workplace by Dr. Anand Pillai



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### SEMINAR BY PRAGNA BHARATI

**TOPICS:** Round table on Draft New Education Policy and Panel Discussion on National Education Policy

**VENUE:** Badruka College Seminar Hall, Hyderabad

**DATE:** 20-07-2019

**TIME:** 04:00Pm to 07:00 pm

**No of Participants:** 01

Assistant Professor Mrs. J. Usha Rani from the Department of Microbiology attended a seminar Round Table on Draft New Education Policy conducted by Pragna Bharati on 20<sup>th</sup> July 2019 in Badruka College, Hyderabad. Former VC Professor Tirupati Rao Osmania University, Dr. Tripuraneni Hanuman Chowdary Chairman Pragna Bharati, Professor S. Jeelani Director Distance Learning HCU, Sri Uma Maheshwar Rao IAS (Retd), and many more were invited for talk in this round table draft on new education policy. The talk highlighted certain changes in syllabus, mode of teaching, and MOOC education was discussed. The session was concluded with a vote of thanks and question-answer.



Asst Prof J. Usha Rani attended the seminar Round Table on Draft New Education Policy conducted by Pragna Bharati on 20<sup>th</sup> July 2019 in Badruka College





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### **FIELD TRIP** **PROFESSOR JAYASHANKAR TELANGANA STATE** **AGRICULTURAL UNIVERSITY (PJ TSAU)**

**Event: Visit to Mushroom Cultivation Unit**

**VENUE: (PJ TSAU) PROFESSOR JAYASHANKAR TELANGANA STATE**  
**AGRICULTURAL UNIVERSITY, RAJENDRANAGAR, HYDERABAD, INDIA**

**DATE: 08-08-2019**

**TIME: 10:00am to 01:00pm**

**No of Participants: 56**

The Department of Microbiology organized a field trip for I, II- and III-Year B.Sc. (BTMC) students on 08<sup>th</sup> Aug 2019 to the Mushroom cultivation unit, PROFESSOR JAYASHANKAR TELANGANA STATE AGRICULTURAL UNIVERSITY, (PJ TSAU), RAJENDRANAGAR, HYDERABAD, INDIA. **Dr. Mangal Pudi Prameela** senior scientist in the Department of Plant Pathology had shown how spawn production, substrate preparation, cultivation of mushrooms conditions, and harvesting is done. It was extremely helpful and Knowledgeable.



Students and Asst Prof J. Usha Rani Photo in PROFESSOR JAYASHANKAR TELANGANA STATE AGRICULTURAL UNIVERSITY, (PJ TSAU), RAJENDRANAGAR, HYDERABAD, INDIA. Dr. Mangal Pudi Prameela senior scientist in the Department of Plant Pathology



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Students and staff attending Dr. session by Mangal Pudi Prameela in PJTSAU



students and staff group photo in mushroom cultivation unit professor Jaishankar Telangana state agricultural university, (PJTSAU), Rajendra Nagar, Hyderabad, India



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### DEPARTMENT OF MICROBIOLOGY

**Event: Microorganisms of plant Vs Microorganisms of Human being**

**DATE: 09-09-2019**

**VENUE: II Floor Seminar Hall**

**TIME: 09:30am to 10:30pm**

**No of Participants: 47**

The Department of Microbiology organized a seminar for I, II- and III-Year B.Sc. (BTMC) students on 09<sup>th</sup> September 2019. Assistant Prof **Dr. Hameeda Bee** from Department of Microbiology, Osmania University, and Hyderabad was invited to deliver a talk on **“Microorganisms of plant Vs Microorganisms of Human Being”**. The talk highlighted about the type of microorganisms present in plants, human being, in diseases person. Moreover, she focused on advance research in microbiology including RT-PCR, other instruments usage in research lab like HPLC, GC, etc.

Overall the session was very interactive with various day to day examples. The necessary measures to prevent the disease. The guest lecture was concluded with vote of thanks by BTMC II year student A. Vineela.

Students of I, II- and III-Year B.Sc. (BTMC) attending. Assistant Prof Dr. Hameeda Bee from Department of Microbiology Osmania University







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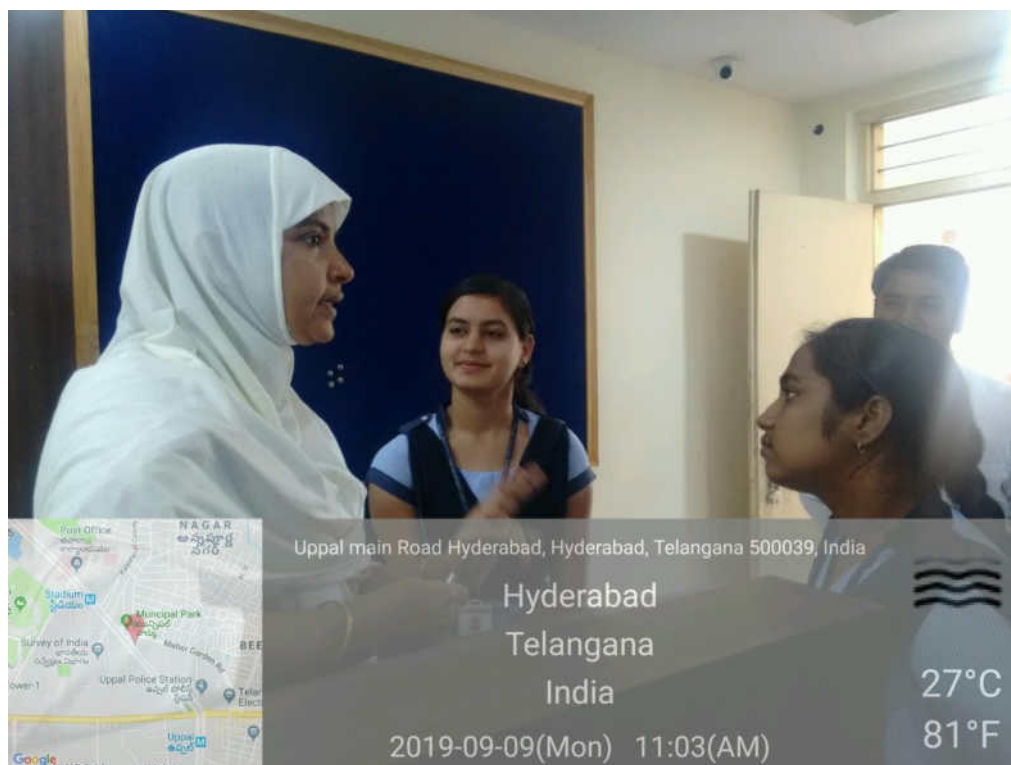
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The guest lecture was concluded with vote of thanks by BTMC II year student A. Vineela.



Students interacting with Assistant Prof Dr. Hameeda Bee from Department of Microbiology  
Osmania University





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### TWO DAYS NATIONAL SEMINAR

**TOPIC:** International Conference on Innovations and Applications in Basic and Applied Sciences for sustainable Development 2019

**DATE:** 6<sup>th</sup> 7<sup>th</sup> -12 -2019

**VENUE:** St. Pious X Degree and PG college for women, Hyderabad

**TIME:** 09:00 pm to 04:00 pm

**PARTICIPANTS:** 01

Ms. J. Usha Rani, lecturer in microbiology attended and presented paper in Two day International Conference on Innovations and Applications in Basic and Applied Sciences for sustainable Development 2019 in collaboration with IMRF Institute of Higher Education and Research, India conducted by St. Pious X Degree and PG college for women, Hyderabad on 6<sup>th</sup> & 7<sup>th</sup> -12 -2019. J. Usha Rani gave Oral presentation on original research work on topic small peptides from natural sources as Ingredients for Green formulations in developing skin lightening agents. Present seminar provided a common platform for all the researchers to interact and discuss on the challenges and opportunities posed in this upcoming field



Ms. J. Usha Rani, lecturer in microbiology attended and presented paper in Two-day International Conference on Innovations and Applications in Basic and Applied Sciences for sustainable Development



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### One Day Workshop

**TOPIC:** Using Models to teach Molecular Biology

**VENUE:** HCU

**DATE:** 3<sup>rd</sup> January 2020

**TIME:** 09:30PM to 04:00PM

No of Participants 01

Mrs. J. Usha Rani, Lecturers from the Department of Microbiology attended one day workshop on Using Models to teach Molecular Biology. Organized by Integrated Studies, University of Hyderabad on 3<sup>rd</sup> January 2020. The objective of the program is gaining knowledge in teaching Molecular biology using virtual models. A brief recap on the basics as well as some insights on deeper aspects of molecular biology model making tips were learned in the workshop



A brief recap on the basics as well as some insights on deeper aspects of molecular biology



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**Team of four members prepared the molecular model and displayed in One Day Workshop**





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## Guest Lecture

**Event:** Environmental Sustainability

**DATE:** 06/01/2020

**VENUE:** III Floor Seminar Hall

**TIME:** 08:30am to 09:30am

**No of Participants:**20

The Department of Microbiology organized a guest lecture for I, II- and III-year B.Sc. (BTMC) students on Environmental Sustainability goals. Scientist Dr. B. Siva Prasad from Department of Biotechnology, EPTRI, Hyderabad was invited to deliver a talk on “Sustainable Development”. The event was organized to bring awareness about Necessary measures to prevent the environmental pollution and bring awareness about Sustainable Development Goals. The talk highlighted about the sustainable development goals. Moreover, she focused on advance research in protecting environment.

Overall, the session was very interactive with various day to day examples. The guest lecture was concluded with vote of thanks by BTMC II year student A. Vineela.



Dr. B. Siva Prasad from Department of Biotechnology, EPTRI, Hyderabad was invited to deliver a talk on “Sustainable Development”.



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Students of B. Sc. BTMC final year discussing with the guest speaker Dr. B. Siva Prasad



Dr. B. Siva Prasad from Department of Biotechnology, EPTRI, Hyderabad receiving memento from Principal Bro. Vincent Reddy, LFDC



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## INTER COLLEGIATE COMPETITION

**TOPICS: Microbiology Cross word**

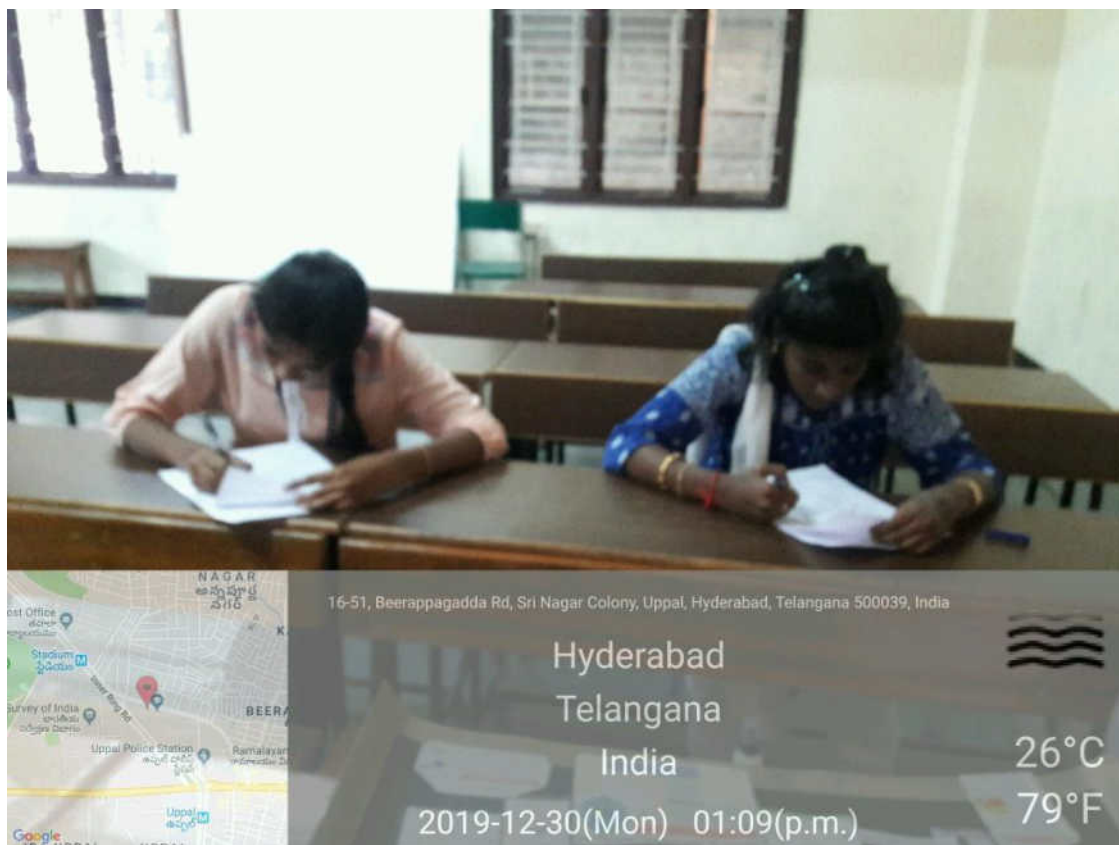
**DATE: 30<sup>th</sup> December 2019**

**VENUE: P04**

**TIME: 10:30 to 11: 30 Am**

**No of Participants: 19**

Department of Microbiology conducted Microbiology Cross word to various college students of B. Sc microbiology I, II- and III-year students on 30<sup>th</sup> December 2019. To make the students understand microbiology by activities the competition was organized Total 19 students from different colleges took part in the event. Winners were given I, II, III prizes' Students could Learn microbiology Test themselves by answering these puzzle-like questions in bacteriology



Department of Microbiology conducted Microbiology Cross word to various college students





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### IMMUNO RANGOLI COMPETITIONS

TOPICS: IMMUNO Rangoli Competitions

VENUE: Karunya court

DATE: 6th January 2020

TIME: 10:30AM to 11:30AM

No of Participants: 8

Department of Microbiology conducted Intra collegiate Immunomagnetic competitions on 6<sup>th</sup> January 2020 for B.sc group students of I, II and III year. Mrs. Rama Devi and Mrs. Rashmi from department of chemistry were judges for the event. The Main objective of the program was to make the students learn Immunological cells and immune system function with rangoli competition. Students Expressed their knowledge in immunology with rangoli art. The I, II, III prizes were given to the winners.



Mrs. Rama Devi and Mrs. Rashmi from department of chemistry were judges Intra collegiate IMMUNO rangoli competition



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### CDFD Open Day

**TOPIC:** CDFD open day

**DATE:** 27-01-2020

**VENUE:** CDFD, Hyderabad

**TIME:** 10:00 am to 01:00 pm

**PARTICIPANTS:** 20

The Department of Microbiology organized a field trip for III-year B.Sc. (BTMC) students on 27<sup>th</sup> Jan 2020 to **Centre for DNA Fingerprinting and Diagnostics (CDFD)** open day HYDERABAD, INDIA. Discuss cutting edge technology and research in life sciences with researchers It was extremely helpful and Knowledge gaining field trip



Faculty Mrs. J. Usha Rani along with students in CDFD field trip for III Year B.Sc. (BTMC)



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### WWM 2<sup>ND</sup> INTERNATIONAL CONFERENCE AND EXPO

**TOPIC:** WWM 2<sup>nd</sup> International Conference and Expo

**DATE:** 17<sup>th</sup> – 19<sup>th</sup> Feb 2020

**VENUE:** Manohar Hotel seminar hall, Hyderabad

**TIME:** 10:00 am to 04:00 pm

**PARTICIPANTS:** Ms. J. Usha Rani, Lecturer in Microbiology

**Ms. J. Usha Rani**, lecturer in microbiology attended Water and waste management WWM 2nd International Conference and expo, Hyderabad on 17-02-2020 to 19-02-2020. Present conference provided a common platform for all the researchers to interact and discuss on the challenges and opportunities posed in water and waste management in upcoming field. The faculty interacted with scientists from USA and other countries. The conference provided a common platform for all the researchers to interact and discuss the challenges and opportunities posed in water and waste management in the upcoming field.



Assistant Professor Mrs. J. Usha Rani from the Department of Microbiology attended WWM 2ND INTERNATIONAL CONFERENCE AND EXPO





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### Webinar on “MICROBIAL TRANSFORMATION OF WASTE FOR RENEWABLE CHEMICALS, FUELS AND MATERIALS”

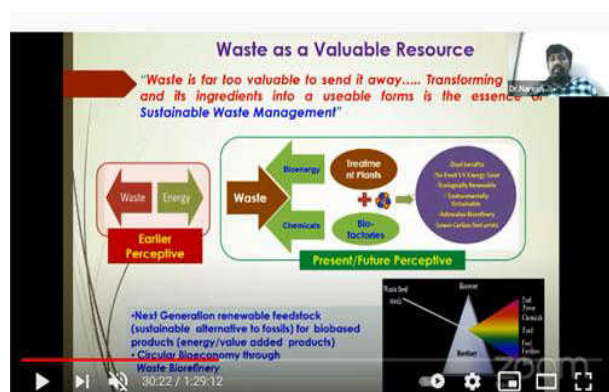
**TOPIC:** Webinar on “MICROBIAL TRANSFORMATION OF WASTE FOR RENEWABLE CHEMICALS, FUELS AND MATERIALS”.

**VENUE:** zoom meeting online.

**DATE:** 18<sup>th</sup> May 2020.

**No of Participants** 335

WEBINAR: Department of Microbiology exclusively organized a webinar on “MICROBIAL TRANSFORMATION OF WASTE FOR RENEWABLE CHEMICALS, FUELS AND MATERIALS”. The resource person was Dr. Naresh Kumar Amradi Kpren Research Fellow (KRF) Post-Doctoral Fellow, Environmental Processes and Materials Laboratory, School of Civil and Environmental Engineering, Yonsei University, Seoul, South Korea, on 18<sup>th</sup> May 2020. Students, Faculty and research scholars from various parts of India took active part in the session. Session started with introduction towards what is waste, in how many ways and sources it is generated and how many ways to classify it based on degradability and recycling capacity. The session was mainly focused on various microbial pathways which could play a vital role for conversion and transformation of wastes into utilizable products like biopolymers, biofuels and biochemical which are eco-friendly in nature. Participants even took active role in the questionnaire too for which was thought provoking and they could find answers and the session ended with a vote of thanks.



webinar on “MICROBIAL TRANSFORMATION OF WASTE FOR RENEWABLE CHEMICALS, FUELS AND MATERIALS”. by Dr. Naresh Kumar Amaradi