

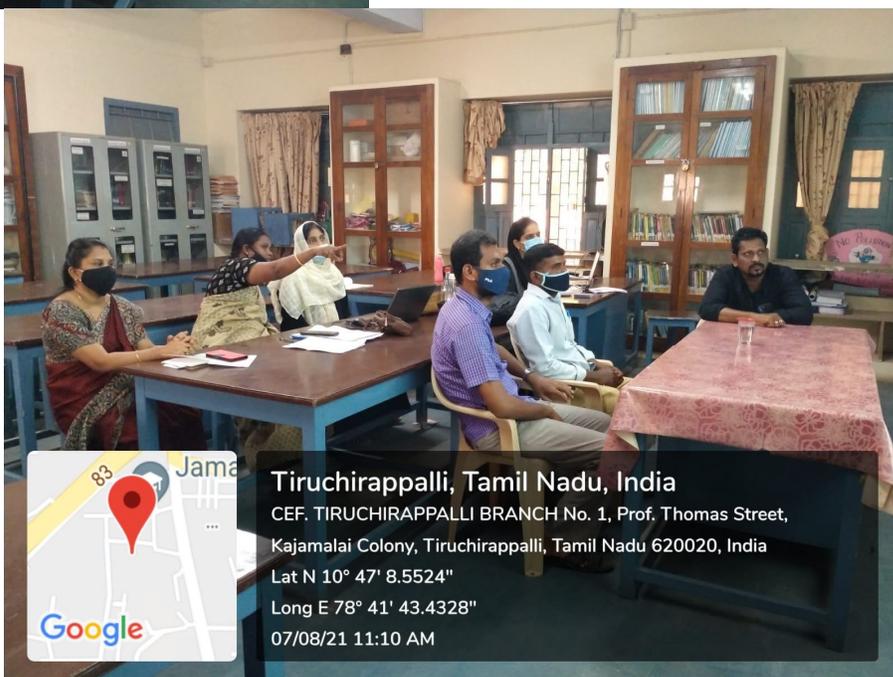


## P.G. & RESEARCH DEPARTMENT OF MICROBIOLOGY JAMAL MOHAMED COLLEGE (*Autonomous*)

College with Potential for Excellence  
Accredited (3rd Cycle) with 'A' Grade by NAAC  
DBT Star College Scheme & DST-FIST Funded  
(Affiliated to Bharathidasan University)  
TIRUCHIRAPPALLI – 620 020.

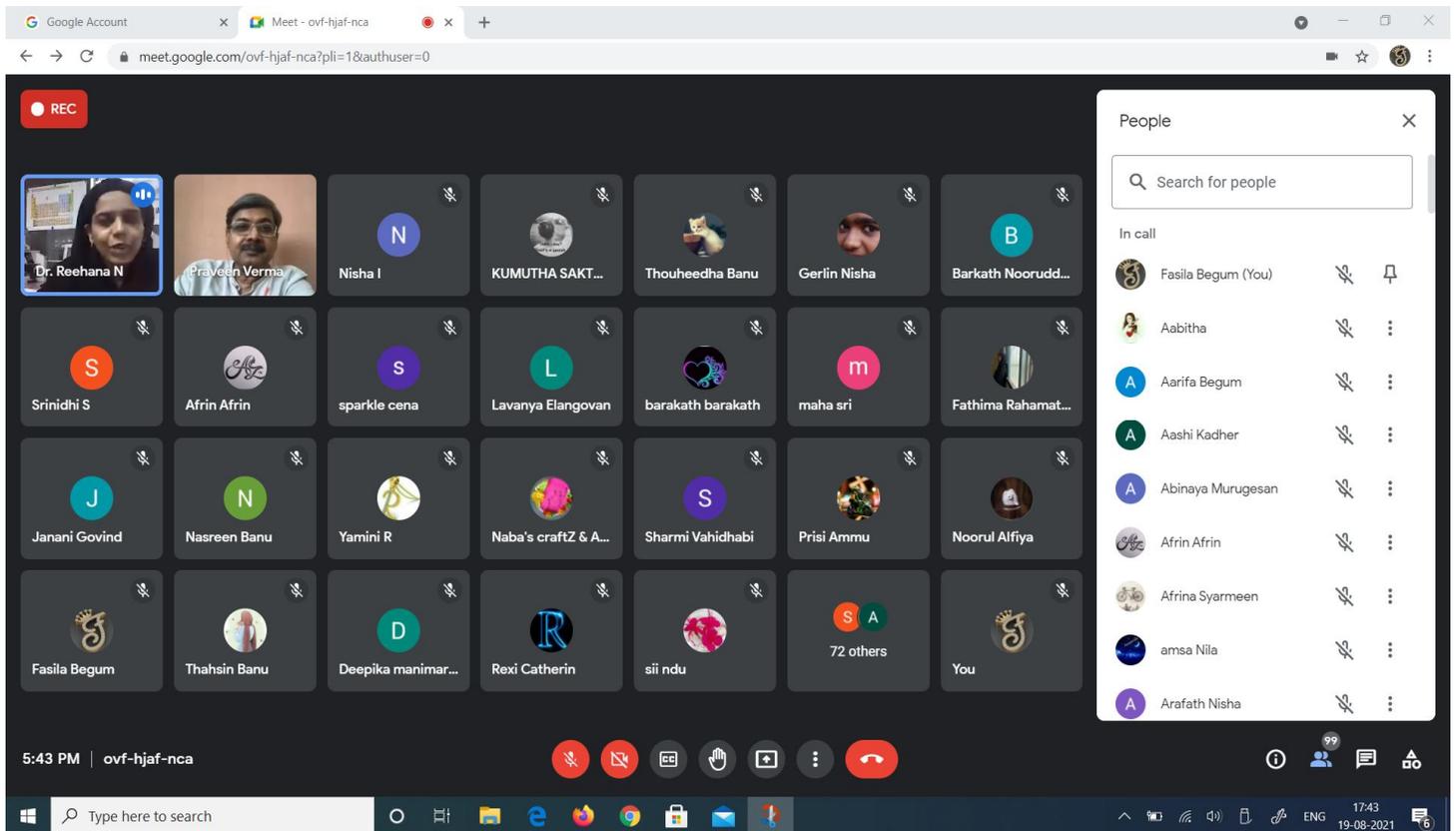
### Internal Board of Studies Meeting

Internal Board of Studies Meeting for III UG Microbiology was held on 07.08.2021 at 11.00 am under the BOS chairman Dr.J.Sirajudeen for the academic year 2021-2022 in the Department of Microbiology.



# Virtual Guest Lecture Programme

The Virtual Guest Lecture for the academic year 2021 – 2022 by Microbiology Placement Cell in Association with Microbiologists Society, India was held on 19.08.2021 at 4.30 p.m through Google meet (meet.google.com/ovf-hjaf-nca). The programme was started with Qirath. Dr. J. Sirajudeen, Co-ordinator of Microbiology, welcomed the gathering and the chief guest introduction was given by the Department Placement Officer Dr. N. Reehana, Assistant Professor of Microbiology. Dr. A. M. Deshmukh, President, Microbiologists Society, India, Former Professor & Head, Department of Microbiology, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad delivered the special address. The special invitee Prof. Praveen K Verma, Director - R & D; Professor, School of Life Sciences Jawaharlal Nehru University, New Delhi delivered the special lecture on “Career in Life Sciences and Biotechnology.” Dr. M. Mohamed Mahroop Raja, Assistant Professor and Member incharge of Microbiology, Jamal Mohamed College proposed the Vote of thanks. Totally 100 Participants were participated from the Microbiology and Biotechnology department. This program featured with a wide knowledge of sharing the expertise in the Career opportunities in Life Sciences.



# Microbiology Association Inaugural Function

The Inauguration of Microbiology Association for the academic year 2021-2022 was held on 17.09.2021 at 2.30 p.m in Microsoft teams. The programme was started with Qirath. Dr. J. Sirajudeen, Co-ordinator of Microbiology, welcomed the gathering and the special invitee Dr. B. Balamuralikrishnan, Assistant Professor, Dept. of Food Science & Biotechnology, Sejong University, Seoul-05006, South Korea delivered the inaugural address and gave a special lecture on “Animal Production Science – Influences of Feed and Feed Additives in Livestock”. Dr. H. Vajiha Banu, Vice President and Assistant Professor of Microbiology, Jamal Mohamed College proposed the Vote of thanks. Totally 141 Participants participated from the Microbiology department. This program featured with a wide knowledge of sharing the expertise in the field of Animal production Science.

The screenshot displays a Microsoft Teams meeting interface. At the top, a notification states: "Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy." The meeting title is "Microsoft Teams" and the search bar is visible. The main area shows a grid of participants, including VAIJHA BANU H, suguna, Nasreen banu.B, Nabeela, Shakira banu.M, N.Tamilselvi, J.Thahsin Banu, Z.Nayeema fathima, AarifaBegum. S, ASMAA.K.MB-09, M Ismath fathima, N.Kajol, Rukshana begum.S, M.ArafathinishaMB-08, n.sahana, narmatha.R, Unmute Begum, Pavithra.p, ummushifa, Musheera.M, Hajira begum.M, Fathima, and MIRFATH. The 'People' list on the right shows 106 participants currently in the meeting, including VAIJHA BANU H (Organizer), Musheera.M (Guest), Z.Nayeema fathima (19UMB... Guest), (20UW21601)Aabitha (Guest), 20UMB003-(MB-2)-AFRIN A... Guest, A.Mariyam (Guest), Aameena. K ( MB-01) (Guest), and AarifaBegum. S (19UMB002)... Guest. The bottom of the screen shows the Windows taskbar with the time 15:53 on 17-09-2021.

# External Board of Studies Meeting

External Board of Studies Meeting for III UG Microbiology was held on 25.09.2021 at 10.00 am through online by Google Meet.

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO 2	PSO3	PSO 4	PSO5
CO1	✓	✓	✓		✓	✓		✓		✓
CO2	✓	✓	✓			✓		✓		✓
CO3	✓	✓	✓			✓	✓	✓	✓	✓
CO4	✓		✓		✓	✓	✓	✓	✓	✓
CO5	✓	✓	✓		✓	✓	✓	✓	✓	✓

Number of Matches= 36, Relationship : High

response, # photoreactivation#recombination repair and glycosylase system.

**UNIT - IV** **15 Hours**  
**Gene Cloning:** The basic principles of gene cloning and DNA Analysis, The advent and importance of gene cloning, Polymerase chain reaction, # Vectors for Gene cloning#, Purification of DNA from Living cells, Manipulation of purified DNA, Introduction of DNA into Living cells.

**UNIT - V** **15 Hours**  
**Genetic recombination:** requirements, molecular basis, genetic analysis of recombination in bacteria- site specific, homologous, non-homologous recombination, reciprocal and #nonreciprocal recombination#.

# Self-study portion.

UG and PG Microbiology Students of Jamal Mohamed College participated in the seminar on Role of Fungi in Marine Fisheries Enhancement and won 2<sup>nd</sup> prize in essay and 3<sup>rd</sup> prize in Photography competition in view of “World Fungus Day Celebration 2021” organized by Centre of Advanced Study in Marine Biology, Annamalai University and Mycological Society of India sponsored by Department of Science and Technology under PURSE programme, held at Annamalai University, Tamil Nadu held on 02.10.2021.



Principal Dr. S. Ismail Mohideen received the certificates of prize winners from Dr.N.Thajuddin, Professor, Department of Microbiology, Bharathidasan University and the Coordinator of Mycological Society of India.



**The Prize winners of “World Fungus Day Celebration 2021” received the certificates from Dr. J. Sirajudeen, Co-ordinator of Microbiology.**