



**Jamal Mohamed College (Autonomous)**  
Accredited with 'A++' Grade by NAAC (4<sup>th</sup> Cycle) with CGPA 3.69 out of 4.0  
(Affiliated to Bharathidasan University)  
**TIRUCHIRAPPALLI -620020**

**Name of the Department: PG & Research Department of Botany and Microbiology**

**Type of the Programme : Faculty Development Programme**

**Title of the Programme : Plant- Microbes interactions for Sustainable Development**

**Venue : MBA Seminar Hall**

**Date : 5 June 2024 to 9 June 2024**

**Meeting Report**

An introductory meeting on the Faculty development programme was organized by IQAC on 5th June 2024 at 10 am. Dr. A. Ishaq Ahamed, Additional vice principal welcomed the gathering. Dr. D.I. George Amalarethinam, Principal delivered the presidential address. Dr. A.K. Khaja Nazeemudeen, Secretary and Correspondent and Hajee M.J. Jamal Mohamed, treasurer Dr. K. Abdus Samad, Assistant Secretary Dr. K.N. Abdul Kader Nihal, Member and Honorary Director felicitated the programme. Dr. R. Jahir Hussain, Vice Principal proposed the vote of thanks. A Faculty Development Programme on Plant- Microbes interactions for Sustainable Development was organized by Department of Botany and Microbiology. Seventeen faculty members from both the department participated in the FDP. On 6<sup>th</sup> June 2024 Dr. H. Syed Jahangir, Head, Department of Botany welcomed the gathering, followed by Dr. R. Ravikumar Associate Professor of Botany introduce the Chief Guest Dr. Gangatharan Muralitharan Professor, Department of Microbiology Bharathidasan University, Tiruchirappalli. He delivered lectures on Genomics, transcriptomics and evolutionary perspectives of Cyanobacterial-Plant Interaction. After the tea break Dr. H. Vajiha Banu, Assistant Professor of Microbiology introduced Dr M. Loganathan, Principal Scientist (Plant Pathology), ICAR-National Research Centre for Banana, Tiruchirappalli and he delivered a lecture on the Power of Microbes: Role and Intellectual Property Rights. Dr. M. Mohamed Mahroop Raja, HOD Microbiology proposed the vote of thanks. On 7th June 2024, Dr. A. Shajahan, Dean of Research and Associate professor of Botany welcomed the chief guest and faculty members followed by Dr. K. Mohamed Rafi Assistant Professor of Botany introduced Dr. A. Puratchikody, Professor and Head Department of Pharmaceutical Technology UCE – BIT Campus, Tiruchirappalli 620 024 among the audience and she delivered a lecture on Bioactive compounds of food: their role in the prevention and treatment of diseases. After the tea break K . Vijayalakshmi, Assistant Professor of Microbiology introduced Dr Shanmugam Achiraman Associate Professor, Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli – 620 024, he delivered a lecture on Chemical Ecology- Microbe, Plant and Animal Interaction. Dr. N. Reehana, Assistant Professor of Microbiology proposed the vote of thanks. On 8th June 2024 Dr.A.Aslam Associate Professor of Botany gave the Welcome Address, followed by A. Swedha, Assistant Professor of Microbiology introduced Dr. V. Ambikapathy, Associate Professor & Head, of Department of Botany and Microbiology, A.V.V.M, Sri Pushpam College, Poondi-613 503, Thanjavur, sir delivered lecture on Novel Teaching Methods and its Implementation after tea break Ms. N. Vennila, Assistant Professor, Microbiology Introduce Dr. N. Srinithiviahshini, Associate Professor & Head, Department of Environment Science and management, Bharathidasan University, Tiruchirappalli – 620 024 Madam delivered a lecture on Understanding IPR and Safeguarding your innovations. Dr. R. Radhakrishnan Assistant professor of Botany proposed the vote of thanks. On 9th June 2024 the programme was conducted through online mode. Dr. N. Ahamed Sherif Assistant Professor of Botany welcomed all the faculty members followed by Dr. N. Reehana, Assistant Professor of Microbiology introduced Balakrishnan Padmanaban Former Principal Scientist National Research Centre for Banana ICAR-National Research Centre for Banana, Tiruchirappalli and he delivered lecture on Microbial interactions in banana plants: concerning harmful and beneficial microbes after the break



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Dr. N. Ahamed Sherif Assistant Professor of Botany introduced Dr. P. Palani, Director and Head, Department of Centre for Advanced Study in Botany, University of Madras Chennai and sir delivered a lecture on Genetic analysis, purification and docking studies of trihydroxynaphthalene reductase involved in pathogenesis of rice pathogen, *Curvularia lunata*. After the lecture programme Dr. R. Syed Mohideen, Assistant Professor of Botany proposed the vote of thanks.



Dr. H. Syed Jahangir , Head Department of Botany Welcome the chief guest Dr. Gangatharan Muralitharan



Faculty from Botany and Microbiology Department participating FDP



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Dr. H. Vajiha Banu, Assistant Professor of Microbiology Introduce Chief Guest Dr M. Loganathan



Dr. A. Puratchikody, Professor and Head Department of Pharmaceutical Technology delivered a lecture



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Hajee. M. J. Jamal Mohamed, Treasurer and Dr. Ismail Moideen Dean Academic Development interacting with faculty members

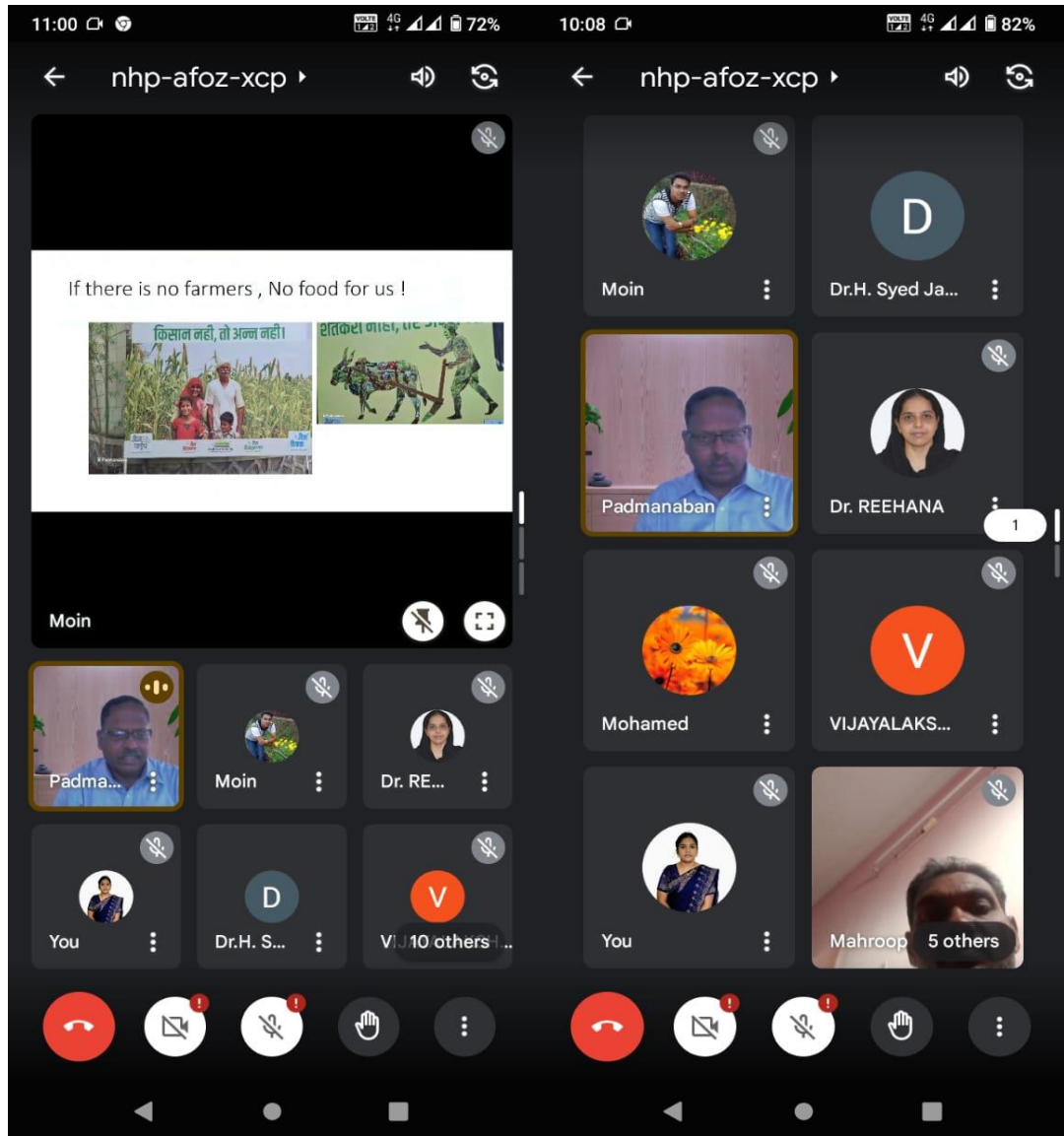


Dr. N. Srinithivahshini, Associate Professor & Head, Department of Environment Science and management delivering a lecture





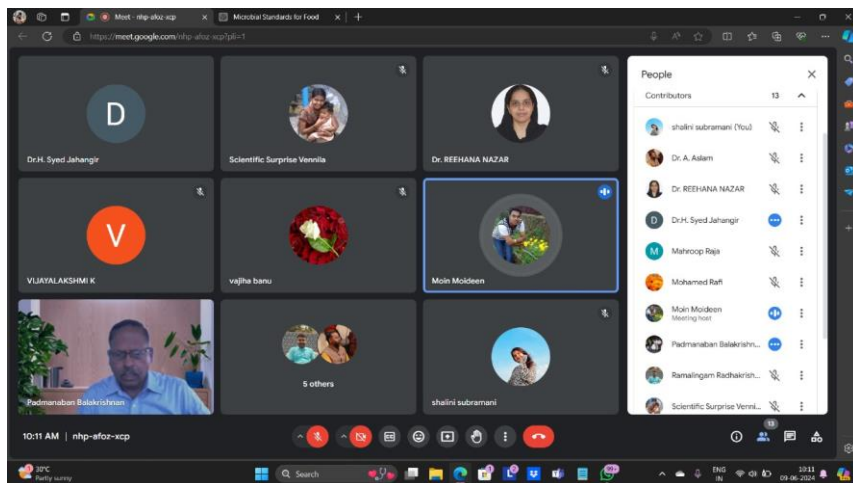
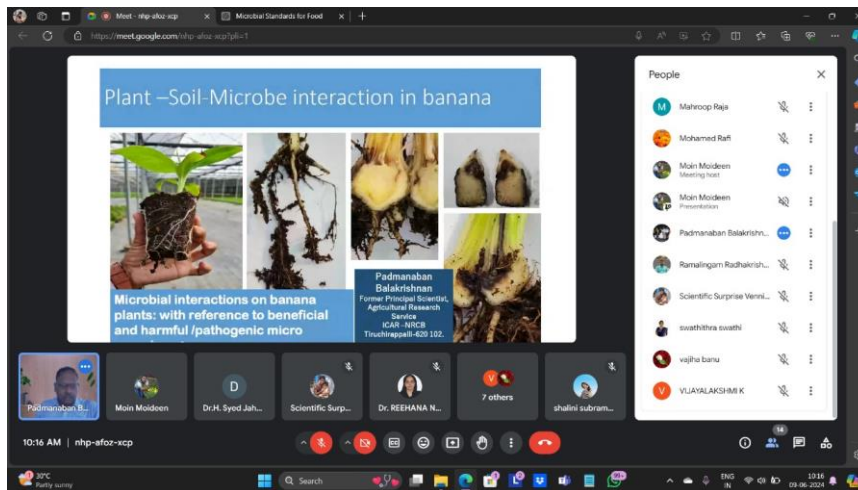
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Dr. Balakrishnan Padmanaban Former Principal Scientist National Research Centre for Banana delivering a lecture through online

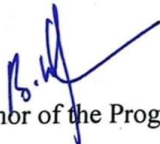


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### Outcome of the programme

- ❖ Faculty imparted knowledge on on-going academic and research on plant Microbes interaction.
- ❖ Identify the research gaps and innovative research ideas about the FDP topic.
- ❖ Understand and apply the research knowledge on isolation, identification, and deposition of novel and industry-beneficial microbes and apply IPR for genetically modifying beneficial microbes.
- ❖ Inculcate and impart the gained knowledge for the betterment of human and sustainable development

  
Convener of the Programme

**Dr. B. Balaguru**  
Assistant Professor  
Department of Botany

  
Head of the Department

**Dr. H. Syed Jahangir**  
Associate Professor and Head  
Department of Botany