

**UGC-Malaviya Mission Teacher Training Centre
Jawaharlal Nehru University
New Delhi**

Website: <https://www.jnu.ac.in/mmttc>

**30th Refresher Course in Life Sciences & Biotechnology (RESIDENTIAL)
19th November – 2nd December, 2025**

Course Coordinators:

Prof. Arun Sidram Kharat, School of Life Sciences, JNU
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Prof. B.S. Balaji, Dean, School of Biotechnology, JNU
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List of Participants:

Sl. No	NAME	Sl. No	NAME
1	Abhishek Singh	15	Sachinkumar Ramagouda Patil
2	Deepak Kumar Yadav	16	Safikur Rahman
3	Divya R	17	Sanjay Narayanrao Suryawanshi
4	Evashisha Wanniang	18	Shamiyath A
5	Harnam Singh Lodhi	19	Shipra Raj
6	Jagdish Chandra	20	Sudhin Chandrakant Dalave
7	Jay Prakash Maurya	21	Sunil Kumar Singh
8	Juli Bairagi	22	Suraj Dhanyakumar Umdale
9	Manoj Kumar	23	Surendra Pratap Singh
10	Mirza Imteyaz Baig	24	Tarun Kumar Sachan
11	Mohammad Imtiyaz Khan	25	Vipul Vaibhava
12	Piyush Mathur	26	Vivek Kumar Kedia
13	Prashant Kumar	27	Yogesh Mishra
14	Rishikesh Kumar	28	Yvonne Banisha Nongrum

Schedule

Week I

DATE	09:00 am – 10:00 am	10:00 am – 11:00 am	11:00 am – 11.30 am	11:30 am-01.00 pm	1.00 pm - 2.00 pm	2.00 pm - 3.30pm	3.30 pm – 3.45 pm	3:45 pm-5:15 pm
Wednesday November 19, 2025	Registration	Interaction with Course Coordinators	Tea Break	Inaugural Programme Prof. Debasis Chattopdhyay <i>Deciphering the codes of Crop Domestication-key note</i>	Lunch Break	Prof. Neel Bhavesh <i>Visualizing Biology</i>	Tea Break	Prof. Praveen K Verma <i>Current Trends in Plant Science Research</i>
DATE	09.30 am - 11.00 am		11.00 am – 11.30 am	11:30 am-01.00 pm	1.00 pm - 2.00 pm	2.00 pm - 3.30pm	3.30 pm – 3.45 pm	3:45 pm-5:15 pm
Thursday November 20, 2025	Prof. Atul Kumar Johri <i>Using reverse vaccinology for the development of vaccines against streptococcal infections</i>		Tea Break	Prof. Ananda Sarkar <i>Small RNAs as big regulators of Shoot and Root Development in Plants"</i>	Lunch Break	Prof. Shailender Goel <i>Genomics empowering Genetics</i>	Tea Break	Prof. Amal Chandra Mondal <i>Neurobiology of Parkinson’s disease and its therapeutic perspectives</i>
Friday November 21, 2025	Prof. Shweta Saran, <i>Concepts in Animal Development</i>			Prof. Nirala Ramchiary		Prof. Samudrala Gourinath <i>Visualization of molecules : Structure determination methods used in modern biology</i>		Prof. Andrew Lynn <i>Case studies in the use of AI in Biomedical Data Science. (i) From biomarker identification to risk prediction</i>
Saturday, November 22, 2025	Assignment			Assignment		Assignment		Assignment

Week II & III

DATE	09.30 am - 11.00 am	11.00 am – 11.30 am	11:30 am-01.00 pm	1.00 pm- 2.00 pm	2.00 pm - 3.30pm	3.30 pm – 3.45 pm	3:45 pm-5:15 pm
Monday, November 24, 2025	Prof. Mukesh Jain <i>“Next generation omics approaches for discovery of candidate genes for crop improvement”</i>	Tea Break	Prof. Deepak Sharma <i>“Learning and Memory Functions of the Brain”</i>	Lunch Break	Prof. Kiran Babu <i>“Emerging Bioprocessing Approaches for Sustainable Second-Generation Biofuels”</i>	Tea Break	Prof. Alok Chandra Bharti <i>“Cancer stem cells & their entry in circulation”</i>
Tuesday, November 25, 2025	Dr. Shams Yazdani <i>“Synthetic and Systems Biology Approaches to Produce Fuels and Chemicals from Biological Sources”</i>		Prof. Ritu Gaur		Prof. Rupesh Chaturvedi		Prof. B.S. Balaji <i>Bioorthogonal chemistry: an introduction and strategies</i>
Wednesday, November 26, 2025	Prof. Shashank Deep		Prof. Nimisha Sharma		Dr. Mausumi Bhardwaj		Prof. Renu Deswal <i>“Dissecting Brassica Juncea Protein Corona for Sustainable Plant Nanotechnology”</i>
Thursday November 27, 2025	Prof. Rajiv Bhat		Prof. Kashyap Dubey		Dr. Gopaljee Jha		Prof. Rajesh Mishra
Friday, November 28, 2025	Prof. Suneel Kateriya <i>Optobiotechnology</i>		Prof. Rupam Kapoor		Prof. Amal Chandra Mondal <i>“Neurobiology of Parkinson’s disease and its therapeutic perspectives”</i>		Dr. Devapriya Choudhury
Saturday November 29, 2025	<i>Assignment</i>		<i>Assignment</i>		<i>Assignment</i>		<i>Assignment</i>
Monday December 1, 2025	<i>MCQ & Evaluation</i>		<i>Evaluation</i>		<i>Evaluation</i>		<i>Evaluation</i>
Tuesday December 2, 2025	<i>Evaluation</i>		<i>Visit to AIRF</i>		<i>Feedback Session</i>		<i>Valedictory session</i>