



UGC-Human Resource Development Centre
यूजीसी-मानव संसाधन विकास केंद्र
Jawaharlal Nehru University, New Delhi
जवाहरलाल नेहरू विश्वविद्यालय, नई दिल्ली



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

27th Refresher Course in Life Sciences & Biotechnology (ONLINE MODE)
26th September – 10th October 2022

Course coordinators:

Dr. Sushil Jha, School of Life Sciences, JNU

Email: sushil_1000@yahoo.com

Dr. Vikas Yadav, School of Life Sciences, JNU

Email: vikasyadav@mail.jnu.ac.in

List of Participants:

Sl. No	NAME	Sl. No	NAME
1	Anis Mohammed	21	Praveen Soni
2	Anita Kumari	22	Prerna Mitra
3	Anita Tudu	23	Priyanka Sharma
4	Anjana Anand	24	Purabi Deka Bose
5	Arindam Dalal	25	Rahul Vasantao Zade
6	Asma Sultana	26	S Beulah Jerlin
7	Bimala Singh	27	Sangeeta Tomar
8	Borun Kathar	28	Sanjana Bhagat
9	Debasish Borbora	29	Savita Jangde
10	Dhiva S	30	Seema Mishra
11	Gautam Kumar	31	Sengpan Gumgi Singpho
12	Hitesh Sankhala	32	Shamiya Hassan
13	K Vandana Rani	33	Shunringla Rungsung
14	Kumari Monica	34	Sonalkumar Shamsundar Nagarkar
15	Mabel Merlen Jacob	35	Swapana John
16	Mahendra Shivshankar Khyade	36	Thorat Mandakini Manoharrao
17	Manoj Sharma	37	Umakant Singh
18	Mohammad Wahid Ansari	38	Veena Mesham
19	N. Radhakrishnan	39	Yadvendra Singh Solanki
20	Neelam		



Combined Inaugural Programme

27th Refresher Course in Life Sciences & Biotechnology
September 26th to October 10th, 2022

55th Refresher Course in Economics
September 26th to October 10th, 2022

2nd Refresher Course in Indian Languages, Literature and Cultural Studies (IDC)
September 26th to October 10th, 2022

(Virtual Conference Room, Zoom Meetings App.)
(Date: September 26, 2022; Time: 12.00 PM)

Our Esteemed Guests and Speakers



Prof. Sudhir K. Sopory



Shri Ashok Pradhan



Prof. Ram Nath Jha

Time	Programme Details
12:00 - 12:05 hrs.	Welcome Address by: Prof. Ram Nath Jha Director, UGC-Human Resource Development Centre- JNU, New Delhi
12:05 - 12:10 hrs.	About the 27 th Refresher Course in Life Sciences & Biotechnology by Course Coordinator
12:10 - 12:15 hrs.	About the 55 th Refresher Course in Economics by Course Coordinator
12:15 - 12:20 hrs.	About the 2 nd Refresher Course in Indian Languages, Literature and Cultural Studies (IDC)
12:20 - 12:40 hrs.	Address by: Prof. Sudhir K. Sopory, Emeritus Senior Scientist, International Centre for Genetic Engineering and Biotechnology, New Delhi
12:40 - 01.00 hrs.	Address by: Shri Ashok Pradhan, I.A.S. (Retd.) Director, Bharatiya Vidya Bhavan, Delhi
01.00 hrs.	Vote of Thanks by: Dr. Deep Narayan Pandey Assistant Director, UGC-HRDC- JNU, New Delhi

Course Coordinators:



Dr. Sushil K. Jha
School of Life Sciences, JNU



Dr. Vikas Yadav
School of Life Sciences, JNU



Prof. Amita Batra
Centre for South Asian Studies,
SIS, JNU



Dr. Vikram Bansal
Atal Bihari Vajpayee School of Management
and Entrepreneurship, JNU



Prof. Sudhir Kumar Arya
Dean, School of Sanskrit and Indic
Studies, JNU



Prof. Gopal Lal Meena
School of Sanskrit and Indic
Studies, JNU

UGC-HRDC, JNU

(Participants are requested to join and login 10 minutes before the schedule time)



Combined Valedictory Programme

27th Refresher Course in Life Sciences & Biotechnology

55th Refresher Course in Economics

&

2nd Refresher Course in Indian Languages, Literature and Cultural Studies (IDC)
[September 26 to October 10, 2022]

(Virtual Conference Room, Zoom Meetings App.)
(Date: October 10, 2022; Time: 03.30 pm onwards)

Our Esteemed Guests and Speakers



Prof. Santishree Dhulipudi Pandit



Prof. Rajendra Prasad



Prof. T V Kattimani



Prof. Ram Nath Jha

Time	Programme Details
15:30-15:35 hrs.	Opening Remarks and Welcome Address by: Prof. Ram Nath Jha, Director, UGC-HRDC, JNU, New Delhi
15:35-15:40 hrs.	Presentation of Brief Course Report by: Course Coordinators of 27 th Refresher Course in Life Science & Biotechnology
15:40-15:45 hrs.	Presentation of Brief Course Report by: Course Coordinators of 55 th Refresher Course in Economics
15:45-15:50 hrs.	Presentation of Brief Course Report by: Course Coordinators of 2 nd Refresher Course in Indian Languages, Literature and Cultural Studies (IDC)
15:50-16:05 hrs.	Address By: Prof. Santishree Dhulipudi Pandit Vice Chancellor, Jawaharlal Nehru University- New Delhi
16:05- 16:25 hrs.	Address By: Prof. Rajendra Prasad Director, Amity University, Haryana & Former Rector, JNU
16:25-16:45 hrs.	Address By: Prof. T V Kattimani Vice Chancellor, Central tribal University of Andhra Pradesh
16:45-16:55 hrs.	Sharing Experiences by Participants [2 participants from each course (3 Min each)]
16:55 -17:00 hrs.	Vote of Thanks by: Dr. Deep Narayan Pandey, Asstt. Director, UGC-HRDC, JNU, New Delhi

Course Coordinators:



Dr. Sushil K. Jha
School of Life Sciences, JNU



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School of Life Sciences, JNU



Prof. Amita Batra
Centre for South Asian Studies,
SIS, JNU



Dr. Vikram Bansal
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Studies, JNU



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UGC-HRDC, JNU

(Participants are requested to join and login 10 minutes before the schedule time)

Schedule

Week – 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 - 03.30 pm	03.30 pm - 03.45 pm	03.45 pm - 05.00 pm
Monday, September 26, 2022	Registration	Tea Break	Combined Inaugural Session	Lunch Break	Interaction with the Course Coordinators	Tea Break	Prof. Suneel Kateriya <i>“Optobiotechnology”</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
Tuesday, September 27, 2022	Dr. Govind K. Makharia <i>“Celiac disease: A model for developing collaboration”</i>	Tea Break	Dr. A. K. Dinda <i>“Emerging role of Nanotechnology based Innovation in Health Care”</i>	Lunch Break	Prof. Rajiv Bhat <i>“Disordered proteins and protein aggregation diseases- the challenges ahead”</i>	Tea Break	Dr. Syed Shams Yazdani <i>“Pathways towards the production of advanced biofuel”</i>
Wednesday, September 28, 2022	Prof. Ashwani Pareek <i>“Are we ready to feed nine billions?”</i>		Dr. Hem Chandra Jha <i>“Co-infection of Helicobacter pylori and Epstein-Barr Virus promotes the aggressiveness in Gastric cancer”</i>		Prof. Rajat Sandhir <i>“Uncovering Temperature and Touch Receptors”</i>		Prof. Mallikarjun Sakarad <i>“Gut to gonads: the role of nutrition in evolution of sociality in insects”</i>
Thursday September 29, 2022	Dr. Ravindra P.N. <i>“Meditation, Mind and Brain”</i>		Prof. Rana Pratap Singh <i>“Therapeutic Resistance in Cancer”</i>		Prof. Zahid Ashraf <i>“Blood Clotting at Altitudes: The Interplay between Inflammation and Coagulation”</i>		Prof. Pawan Dhar <i>“Synthetic Biology: basic concepts to applications”</i>
Friday, September 30, 2022	Dr. Vimlesh Kumar <i>“Regulation of Neuronal Morphogenesis and Function: What we learnt from Drosophila”</i>		Prof. Rakesh Bhatnagar <i>“Recombinant vaccine against anthrax: From clone to clinical trials”</i>		Dr. Agam P. Singh <i>“Malaria”</i>		Prof. K. Natrajan <i>“Transcriptional Rewiring Impacting Fungal Pathogenesis”</i>
Saturday October 1, 2022	Project Work Research Design		Project Work Data tabulation & Analysis		Project Work Report Preparation		Project Work Presentation Preparation

Week - 2

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, October 3, 2022	<i>Interaction with the Course Coordinators: feedback of the first week from Session In charge/ Participants</i>	Tea Break	Dr. Usha Punjwani <i>“Sleep and the Soldier: Msteries of the Mountains”</i>	Lunch Break	Prof. Suman Jain <i>“Neuromodulation by Repetitive Transcranial Magnetic Stimulation in Neurodegenerative Disorders”</i>	Tea Break	Prof. Rakesh Tyagi <i>“Genome bookmarking by nuclear receptors”</i>
Tuesday, October 4, 2022	Prof. Sushil Jha		Dr. Himani Ahulwalia <i>Psychoneuroimmunology (Pni)- Interactions Between Cns And Immunity</i> <i>In Stress And Its Effect On Mental Health</i>		Dr. Nasreen Akhtar <i>Essentials of neurophysiology of sleep and sleep recording”</i>		Dr. Sneh Lata Panwar <i>“The nuts and bolts of Candida albicans”</i>
Wednesday, October 5, 2022	<i>DUSSEHRA HOLIDAY</i>		<i>DUSSEHRA HOLIDAY</i>		<i>DUSSEHRA HOLIDAY</i>		<i>DUSSEHRA HOLIDAY</i>
Thursday October 6, 2022	Prof. Vibha Tandon <i>“Development of Small molecules Targeting Bacterial Topoisomerase IA to combat WHO Priority Pathogens”</i>		Prof. Amit Awasthi		Prof. Ashis Nandi		Prof. P. C. Rath <i>“The Central Dogma of Molecular Biology and its Contemporary Perspectives”</i>
Friday, October 7, 2022	Prof. Arun Kharat		Dr. Beena Pillai <i>"Inherited ncRNAs shape neurodevelopment"</i>		Prof. Suman Dhar <i>Human Pathogen Helicobacter pylori and Gastric Diseases</i>		Evaluation
Saturday October 8, 2022	Evaluation		Evaluation		Evaluation		Evaluation
Monday October 10, 2022	Evaluation		Interaction with Course Coordinators		Feedback Session and group discussion among the participants		Combined Valedictory Session 03.30 PM- 5:00 PM