

REPORT
Seven – Days
Online Faculty Development Programme
(23rd. -30th Oct. 2023)

Vidya Vikas Arts, Commerce & Science College, Samudrapur, Dist. Wardha (Maharashtra) in collaboration Matoshri Ashatai Kunawar Arts, Commerce and Science Women's College, Hinganghat Dist. Wardha (Maharashtra) organized One Week Online Faculty Development Program On “Frontier in Biological Sciences an Interdisciplinary Workshop” on dated 23rd – 30th Oct, 2023.

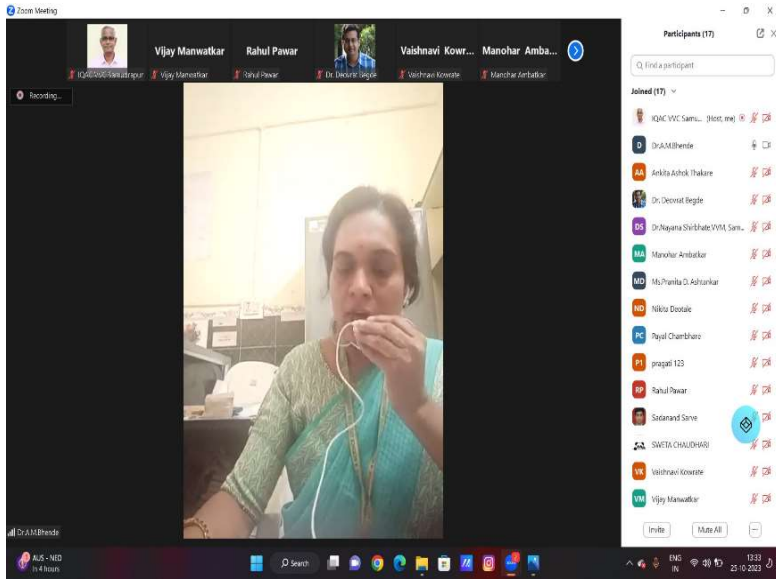
Day 1

The six days FDP started on 23rd oct. 2023 with inaugural Session at 1 PM Guest of honour was **Dr. Satish Malode**, Professor and Head, Department of Botany GVISH Amravati and chaired by Dr.K.G. Rewatkar Principal VVC Samudrapur, Dr. Umesh Tulaskar , Principal MAK College , Dr. N. Shirbhate (Vice-Principal VVC), , Dr S. Pahade (IQAC-coordinator), Dr. A.M. Bhende (Convener) and Dr. V.G. Manwatkar (Convener). The **Convener Dr. Archana Bhende** addressed the gathering and mentioned the objective to conduct the Faculty Development programme. Also stated rules and regulations of this FDP. In this Programme more than 100 participants registered their name from different states and various disciplines like life science, Horticulture, Floriculture, Engineering, Science, Commerce, Management, Economics etc. across from different state. Respected, **Principal VVC, Dr. K. G. Rewatkar** welcomed to the keynote speaker, all invited eminent experts and all the participants. He briefed about the various skills and advanced technology in teaching – learning process as well as research area. Respected Principal of MAK college Dr. Umesh Tulaskar Sir delivered the welcome speech and gave best wishes for the success of FDP. Professor **Dr. Satish Malode** who inaugurated the event and focused on his presentation on the topic “**Mutation breeding and crop improvement** “and inspired the participants to acquire the advance skills to survive in the agricultural field. Also told an opportunity for better future. Later on the first day speaker respected **Dr. Satish Malode, introduced by** Dr. Naina Shirbhate.. Also, he told to give the students such a platform like Knowledge center to come out their new ideas. Then Dr. Archana Bhende concluded the session followed by vote of thanks to one and all, with the request to fill up the feedback form of respective sessions on the

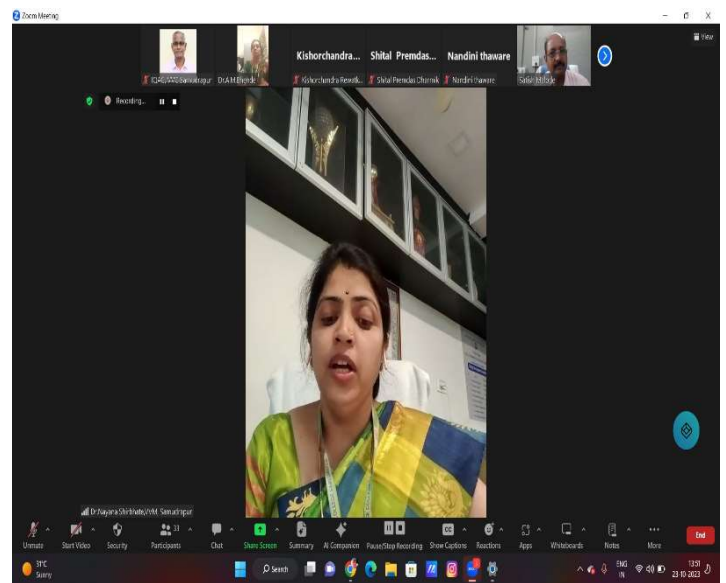
Feedback Link: - <https://forms.gle/mGuAr8BPeViZrXMf7>

Webinar Link: -

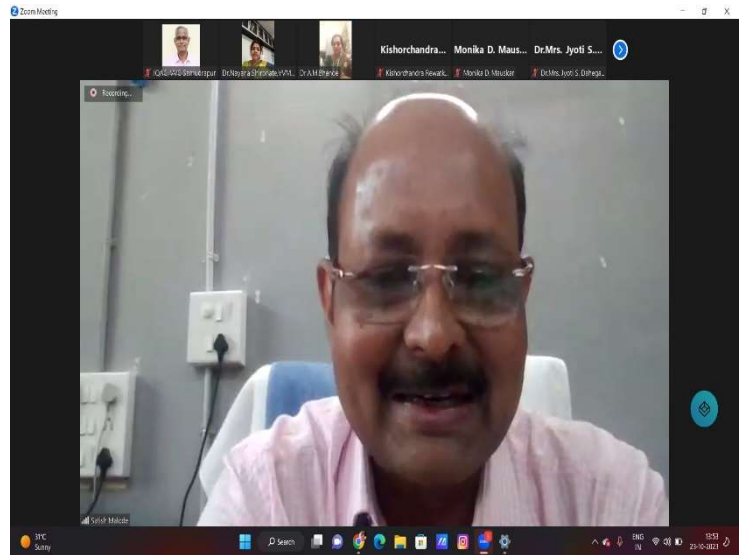
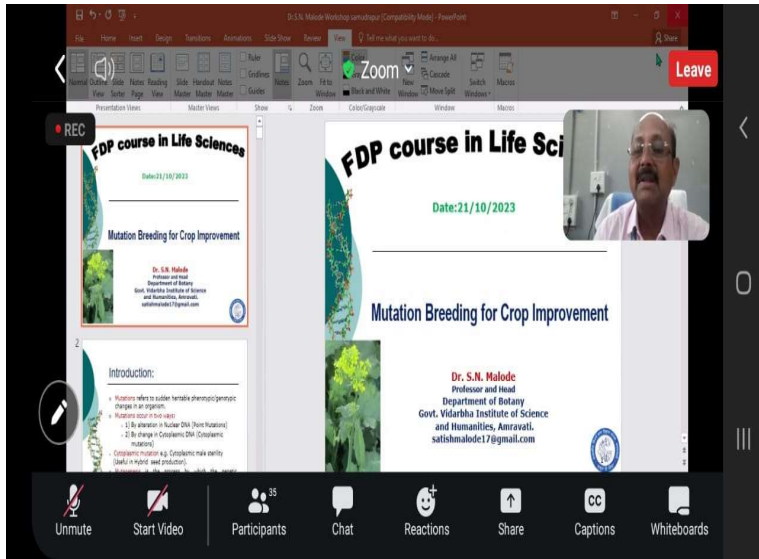
<https://us06web.zoom.us/j/84176967358?pwd=l6QC0dHwqzQa3otAR39aDaPPXQtPJX.1>



**Dr. Archana Bhende Convenor
Anchoring**



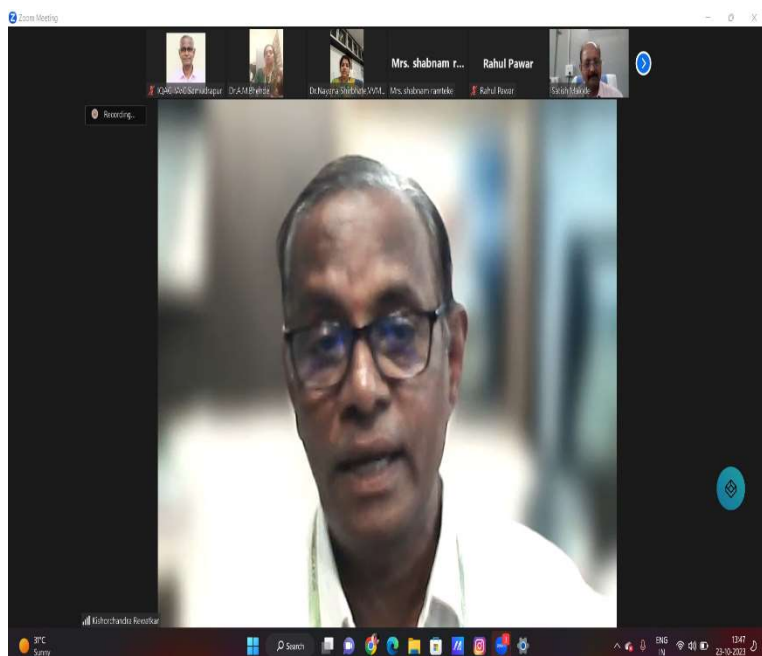
**Dr. Nayana Shirbhate
Vice Principal (Inaugural Speech)**



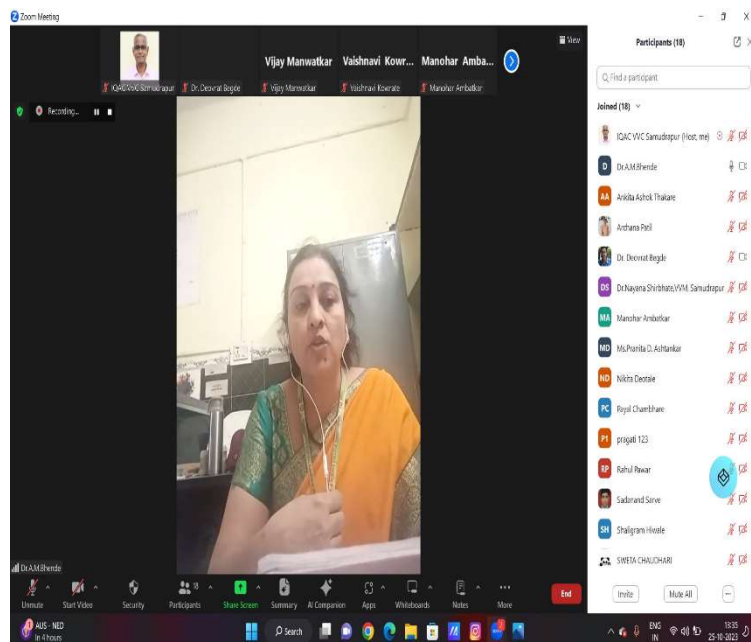
**First day Key Note Speaker
Dr. S.N. Malode**

Day 2

Dr. A.M. Bhende Assistant Professor, Department of Zoology VVC started the session of Day 2 to welcome all at 1 pm and introduced briefly an eminent speaker **Dr. Deovrat Begde**, Associate Professor, Department of Biochemistry and Biotechnology Dr. Ambedkar College Deeksha Bhoomi Nagpur who presented his presentation on “Drosophila as a model system”. The second day speaker respected **Dr. Deovrat Begde, introduced by** Dr. Shilpa Pahade. In this he covered the drosophila as a model organism for genetic and molecular biology research. His talk was very informative and inspired students for molecular biology research. The session of Day-2 was over followed by vote of thanks.



Dr. K. G. Rewatkar
Principal



Dr. Shilpa Pahade
Head of Mathematics

Day 3

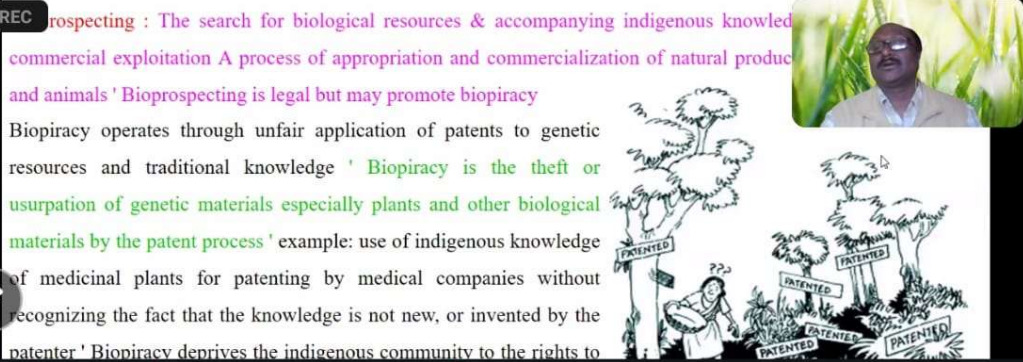
Respected Dr. Abhijit Mane, Assist. Professor Department of Zoology Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli), was the expert in session of Day 4, introduced by Dr. Mr. S.R. Sarve, Assistant Professor, Department of Physics, VVC. He spoke on the topic “Biodiversity and its Conservation”. This Talk briefly discussed some important biodiversity depletion problems facing third world countries. The presenter shared some of his personal experience to overcome the problem of deforestation and and how we are responsible for global warming and greenhouse effect. At the end of the session Dr. Archana Bhende proposed the vote of thanks.

BIOPIRACY

The practice of commercially exploiting naturally occurring biochemical or genetic material, especially by obtaining patents that restrict its future use, while failing to pay fair compensation to the community from which it originates

REC **Bioprospecting** : The search for biological resources & accompanying indigenous knowledge for commercial exploitation A process of appropriation and commercialization of natural products from plants and animals ' Bioprospecting is legal but may promote biopiracy

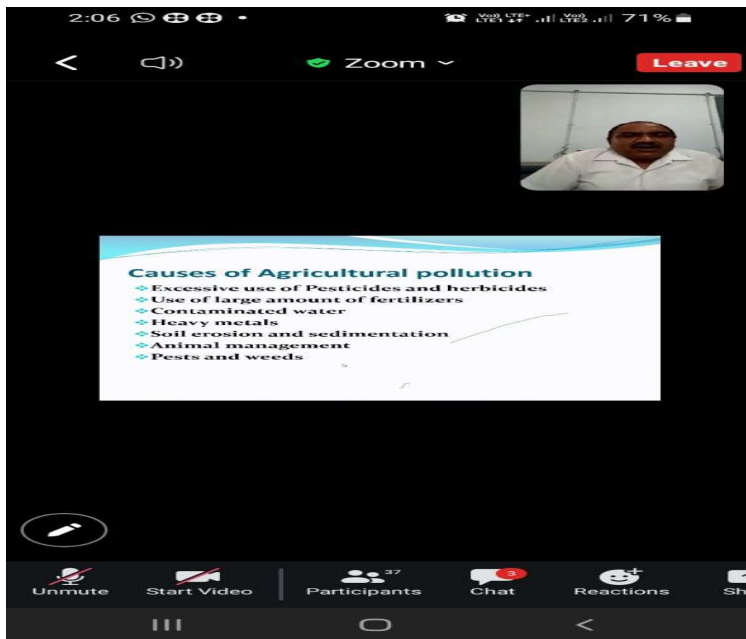
Biopiracy operates through unfair application of patents to genetic resources and traditional knowledge ' **Biopiracy is the theft or usurpation of genetic materials especially plants and other biological materials by the patent process** ' example: use of indigenous knowledge of medicinal plants for patenting by medical companies without recognizing the fact that the knowledge is not new, or invented by the patenter ' Biopiracy deprives the indigenous community to the rights to



Unmute Start Video Participants 34 Chat 7 Reactions Share CC Captions Whiteboards

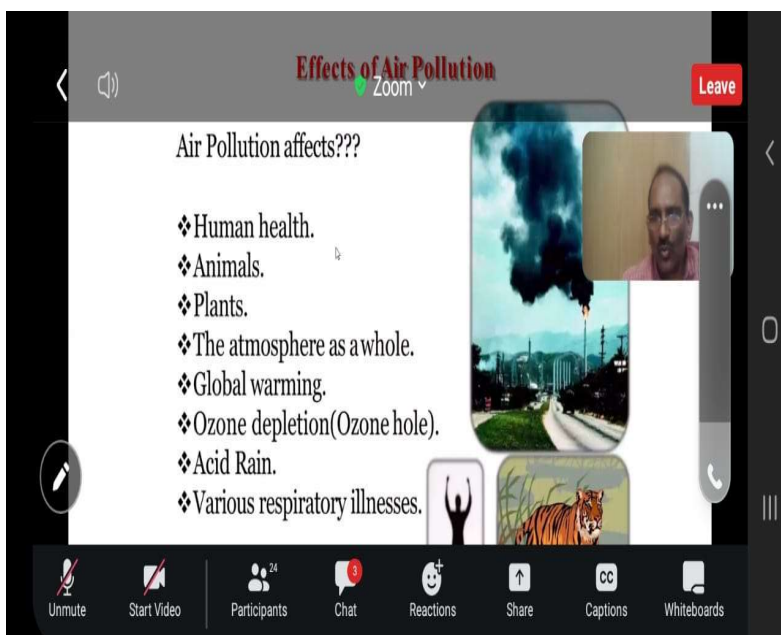
Day-4

The session began with Dr. Archana Bhende, Assistant Professor, Department of Zoology VVC by welcoming the world rank scientist **Dr. H.D. Bhartiya**, Professor and Head, Department of Botany, Bipin Bihari PG college, Jhansi (U.P.). Respected **Dr. H.D. Bhartiya presented** his talk on “Agricultural Pollution” this is very important topic for a current affair. The guest was introduced by Mr V.G. Manvatkar, Assistant Professor, Department of Botany , VVC The session was ended by the vote of thanks proposed by Dr. A.M. Bhende.



Day-5

Dr. Umesh B. Kakde Professor at Indian Institute of Science Mumbai Joint Director Higher Education Solapur Region Solapur, was an expert in the first session of Day-5. Ms. Shital Awaghade, Assistant Professor, Department of Chemistry, VVC took an initiative to introduce the speaker Infront of the all who presented his speech on “Environmental Pollution. He realised to the participants that we are the main pollutants. Session was concluded by vote of thanks by Dr.A.M. Bhende.



Day-6

In the last day , the session started with the well-known speaker **Dr. G. BalaSubramani**, Principal Scientist (Biotech), ICAR- Central Institute of Cotton Research , Nagpur. Dr. M.S.Ambatkar Sir , Head & Professor, Department of Zoology VVC introduced the expert who delivered his talk on “ CRISPR Cas9 Technology Principles and Applications”. His PPT included the definition of CRISPR- Cas9 which has been used in a growing number of monocot and dicot plant species to enhance tolerance to biotic and abiotic stresses, among other applications, the CRISPR-Cas9 system consists of a programmable Cas9 nuclease and a synthetic short guide RNA etc. Then Dr. A.M Bhende , Assistant Professor, Department of Zoology VVC got the privilege to vote of thanks of the eminent expert **Dr. G. Balasubramani**.

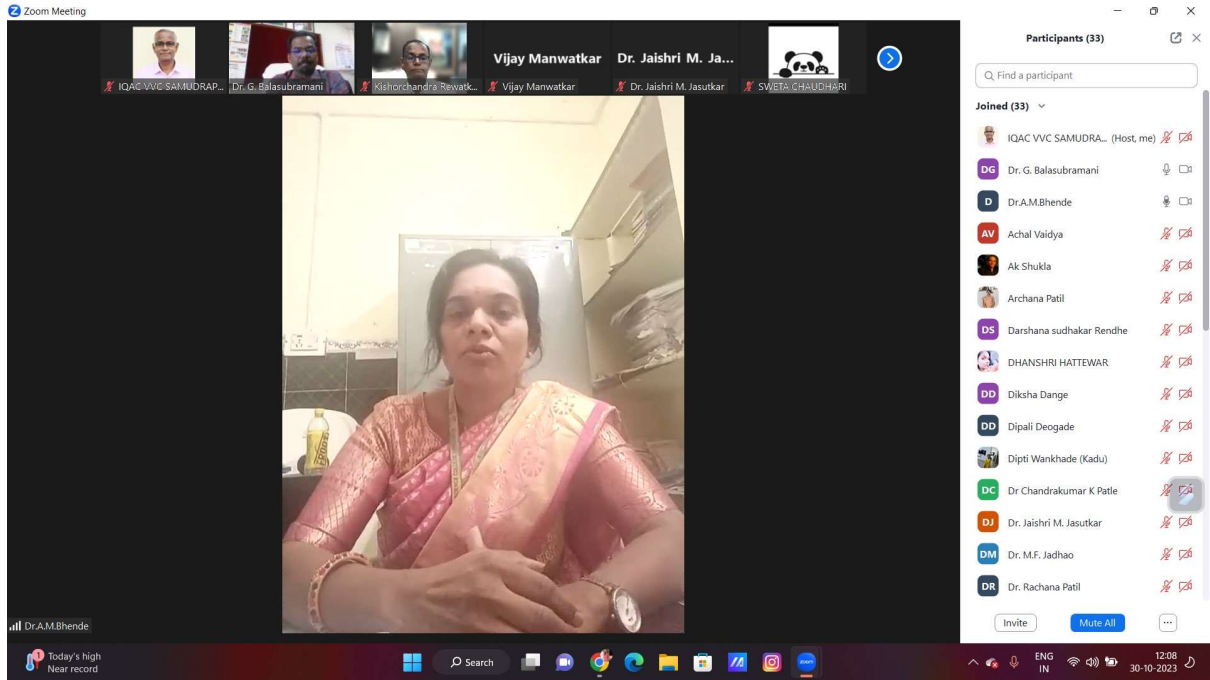
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1.	ICAR-CICR BTG (RS2013)	3076	29.3	25.5	4.7	East zone
2.	ICAR-CICR BE-4 (SC13)	3096	28.8	25.9	4.6	Maharashtra
3.	ICAR-CICR BT-9 (SC13)	3109	25.7	25.5	4.5	Maharashtra
4.	ICAR-CICR BT-10 (SC13)	2577	26.2	25.6	4.5	Maharashtra
5.	ICAR-CICR PKV-081 BT	2743	28.3	27.9	3.9	Maharashtra
6.	ICAR-CICR Rajat BT	2660	26.8	26.1	4.2	Maharashtra
7.	ICAR-CICR Suraj BT	2407	29.1	26.0	4.3	Central zone
8.	ICAR-CICR M-10	2841	29.1	26.1	4.3	Central zone
9.	ICAR-CICR 23 BT	2649	27.0	26.8	3.7	South zone

Dr. G. Balasubramani
Keynote speaker

Dr. M.S. Ambatkar
Head of Department of Zoology

Valedictory

At the end of the day, the **Convener of FDP, Dr. Archana Bhende** presented the whole report of seven days online FDP in front of all higher authorities and participants. Also, she mentioned that all the speakers followed their commitment very punctually and participants were taking interest to interact with the experts in each session. Each session was recorded. Then on the behalf of Mac College, Dr. Umesh Tulaskar Sir had shared his good views regarding FDP and appreciated the organizing committee for conduction and time-management. The programme ended with a vote of thanks was delivered by Principal, VVC Dr. K.G. Rewatkar. He extended vote of thanks to all key note speaker honourable Dr. G. Balasubramani and Dr. Satish Malode, Dr. Umesh Kakde. Dr.H. Bhartiya, Dr. Deorat Begde, Dr Abhijit Mane with all participants and to our chief guest who spared his valuable time to grace the occasion in six days online faculty development programme. Dr. Rewatkar Sir had gratitude to all the speakers for gracing the occasion and sharing their opinions to enlightened our minds and have shown a new path during these six days. Also thanked to all the participants who had attached from various places to this FDP. He appreciated to convener, IQAC- coordinator and all committee members for the smooth conduction of these six days academic journey and congratulated for completion of task. The programme was concluded with happy note from everyone.



Dr. A. M. Bhende

Convener

Date 01/12/2023

Place Samudrapur

Principal

Dr.K.G.Rewatkar

Glimpses

