

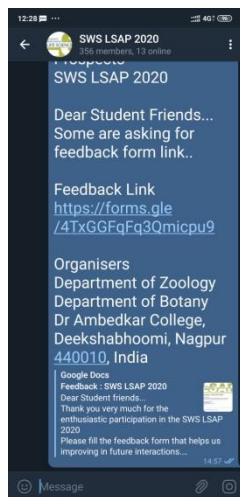


Dr. Ambedkar College, Deekshabhoomi, Nagpur

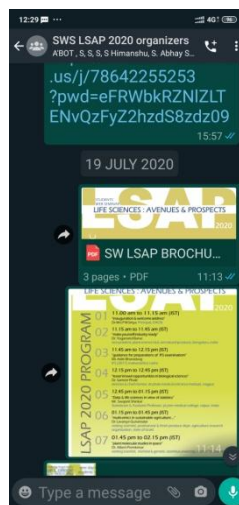
02

Employment & Career Guidance Cell (ECGC)
Activities 2020-2021

Intimation was circulated among the semester wise groups on social media
Telegram Group
WA Organisers Group
<https://t.me/joinchat/TMMmuhpLtm15ku4E1PMz-A>



participants 356



08 organising members

The Seminar Program &

STUDENTS' WEB SEMINAR	
LIFE SCIENCES : AVENUES & PROSPECTS	
LSAP 2020	
01	11.00 am to 11.15 am (IST) "Inauguration & welcome address" Dr Mrs PM Srinya, Principal, DACN
02	11.15 am to 11.45 am (IST) "make yourself industry ready" Dr. Yoganand Barve vice president, plant science r&d, avl natural products, bengaluru, india
03	11.45 am to 12.15 pm (IST) "guidance for preparations of IFS examination" Ms Aditi Bhuradwad IFS (2017) maharashtra cadre
04	12.15 pm to 12.45 pm (IST) "lesser known opportunities in biological sciences" Dr. Sameer Phale director & chief mentor, dr phale medical entrance institute, nagpur
05	12.45 pm to 01.15 pm (IST) "Data & life sciences in view of statistics" Mr. Swapnil Shinkar Statistician & Assistant Professor, pt jnm medical college, raipur, india
06	01.15 pm to 01.45 pm (IST) "multi-omics in sustainable agriculture..." Dr Lavanya Gunamalsali visiting scientist, postharvest & fresh produce dept, agriculture research organisation, state of israel
07	01.45 pm to 02.15 pm (IST) "plant molecular studies in space" Dr. Albert Premkumar visiting scientist, molbiol & genetic, istambul university, veznecler, istambul
08	02.15 pm to 02.30 pm (IST) "conclusion: the rapporteur way" Ms Priyanka Srivastava editor, education times, new delhi
09	02.30 pm to 02.35 pm (IST) "vote of thanks & national anthem"

Each deliberation is short & precise for 20 min followed by 10 min student interaction

Final Schedule of the Day Jult 20, 2020

STUDENTS' WEB SEMINAR	
LIFE SCIENCES : AVENUES & PROSPECTS	
LSAP 2020	
10.30 - 11.00	organisers & Speakers check their connectivities
11.00	Curtains Up START on Zoom & LIVE on YouTube
11.00 - 11.05	Welcome and Seminar theme by RSB/SRS/DVNS
11.05 - 11.10	Welcome address (Dr Mrs Srinya, Principal)
11.10 - 11.15	Intro of Speaker 01 Dr Yoganand Barve by DVNS
11.15 - 11.35	Lecture continues YouTube Q&A by BJ/TP
11.35 - 11.37	Thanks by introducer by DVNS
11.37 - 11.45	Student Interaction conducted by BJ/TP
11.45 - 11.47	Intro of Speaker 02 Ms Aditi Bhuradwad by AAM
11.47 - 12.07	Lecture continues YouTube Q&A by OR/HS
12.07 - 12.08	Thanks by introducer by AAM
12.08 - 12.15	Student Interaction conducted by OR/HS
12.15 - 12.17	Intro of Speaker 03 Dr Sameer Phale by SRS
12.17 - 12.37	Lecture continues YouTube Q&A by SD/AS
12.37 - 12.38	Thanks by introducer by SRS
12.38 - 12.45	Student Interaction conducted by SD/AS
12.45 - 12.47	Intro of Speaker 04 Mr Swapnil Shinkar by RSB
12.47 - 01.07	Lecture continues YouTube Q&A by BJ/TP
01.07 - 01.08	Thanks by introducer by RSB
01.08 - 01.15	Student Interaction conducted by BJ/TP
01.15 - 01.17	Intro of Speaker 05 Dr Lavanya Gunamalsali by SRS
01.17 - 01.37	Lecture continues YouTube Q&A by OR/HS
01.37 - 01.38	Thanks by introducer by SRS
01.38 - 01.45	Student Interaction conducted by OR/HS
01.45 - 01.47	Intro of Speaker 06 Dr Albert Premkumar by SRS/DVNS
01.47 - 02.07	Lecture continues YouTube Q&A by SD/AS
02.07 - 02.08	Thanks by introducer by SRS/DVNS
02.08 - 02.15	Student Interaction conducted by SD/AS
02.15 - 02.17	Intro of Rapporteur Ms Priyanka Srivastava by DVNS
02.17 - 02.37	Summing up of seminar in a rapporteur way
02.37 - 02.38	Thanks by introducer by DVNS
02.38 - 02.43	Formal vote of thanks by AAM
02.43 - 02.45	National Anthem
02.45	Curtains Down

Students' Web Seminar

Keeping in view, the need for academic attachment with students in this span of nation lock down due to covid19 pandemic, the **Employment & Career Guidance Cell (ECGC)** along with the department of zoology & botany planned a web seminar for students in particular, focusing on the future prospects and the avenues available in zoology and botany. The opportunities available in conventional mode such as higher studies; research; teaching and so on are well known but less known offbeat ones are usually ignored or afraid off to opt as they are un-trendy . We would try catering such interactive deliberations to our graduate students. And to propagate the students' seminar in a fruitful manner, we are planning to invite few such experts in these domains related to both subjects, who would enlighten you all about the



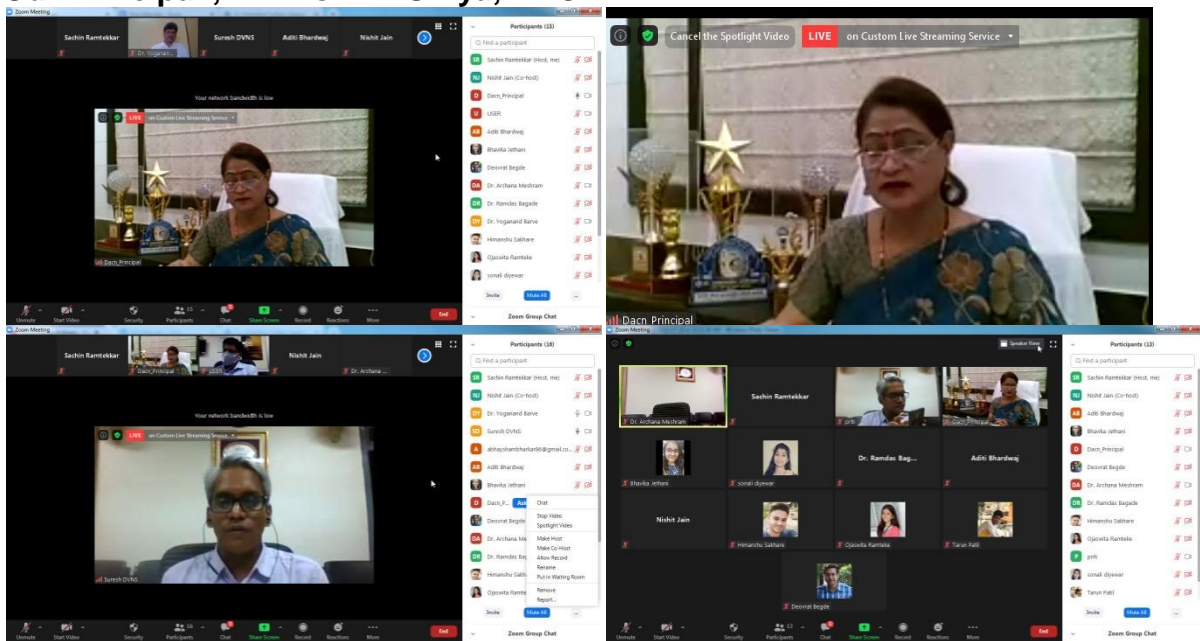
lesser known opportunities than the common prevalent ones to justify the theme of seminar "Life Sciences : Avenues & Prospects". The students would interact, enrich and explore these untouched aspects of ignorance of prospects. We would further take these effort by extended to our academic collaborators and the other college students as well if situation permitting to do so.

Seminar Day : July 20, 2020

The Students' Web Seminar began at sharp 1100 hours on July 20, 2020. The organizing secretary, Dr DVNS Suresh conducted the whole program with association with Dr R S Bagade, the convener; Dr S R Somkuwar, the co-convener; Dr A A Meshram, the joint secretary and student committee members on Zoom platform and the seminar was live on YouTube Live Streaming.

Welcome Address

Our Principal , Dr Mrs P M Siriya, DACN



The speakers

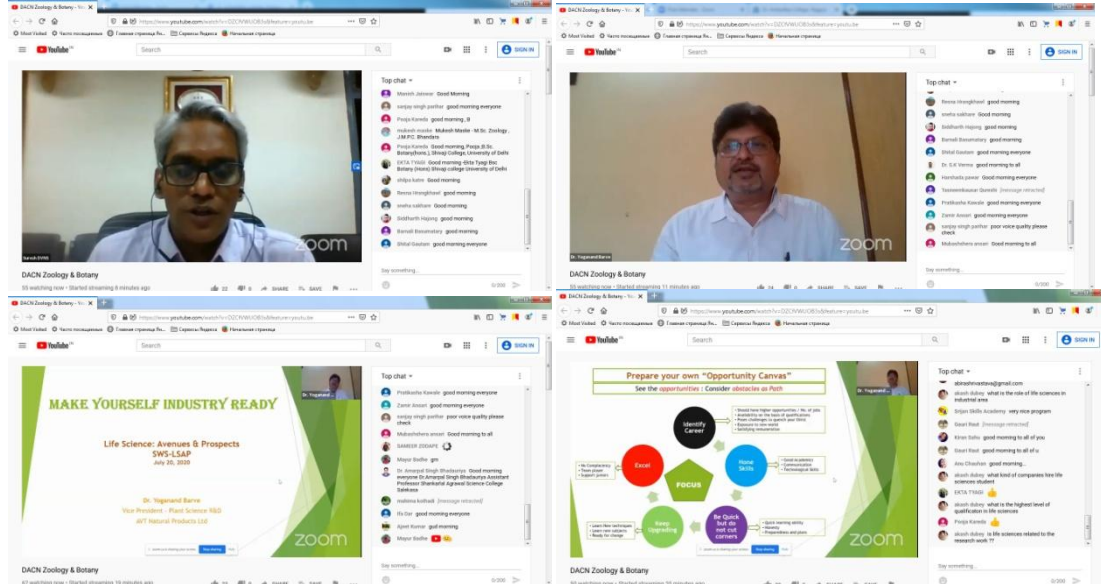
Speaker 01



**"MAKE YOURSELF INDUSTRY READY"
DR. YOGANAND BARVE**

**VICE PRSIDENT, PLANT SCIENCE R&D
AVT NATURAL PRODUCTS, BENGALURU, INDIA**

**Conducted & introduced by
Dr DVNS Suresh, organizing secretary, SWS LSAP**

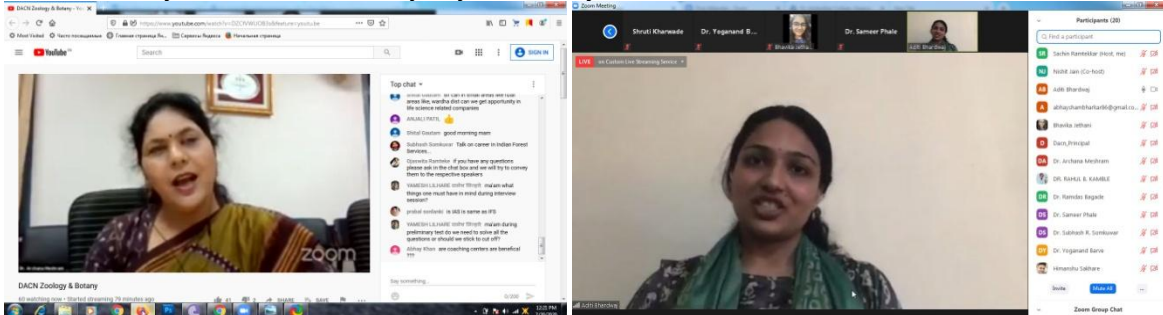


Speaker 02



**“GUIDANCE FOR PREPARATIONS OF IFS”
MS ADITI BHARADWAJ
IFS (2017) MAHARASHTRA CADRE**

Introduced by Dr AA Meshram, joiny secretary, SWS LSAP



Speaker 03



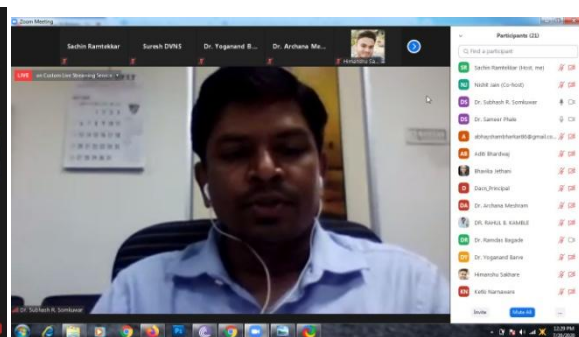
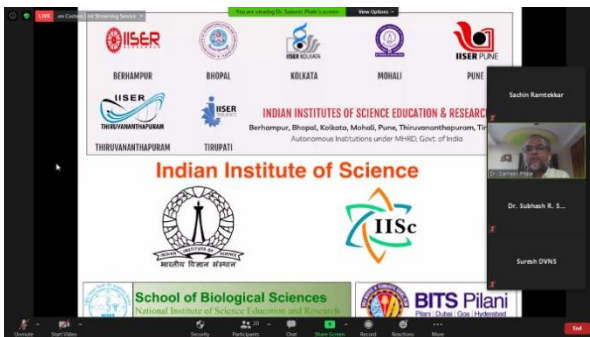
“LESSER KNOWN OPPORTUNITIES...”

DR SAMEER PHALE

DIRECTOR & CHIEF MENTOR

DR PHALE MEDICAL ENTRANCE INSTITUTE, NAGPUR

Introduced by Dr S R Somkuwar, co-convener, SWS LSAP



Speaker 04

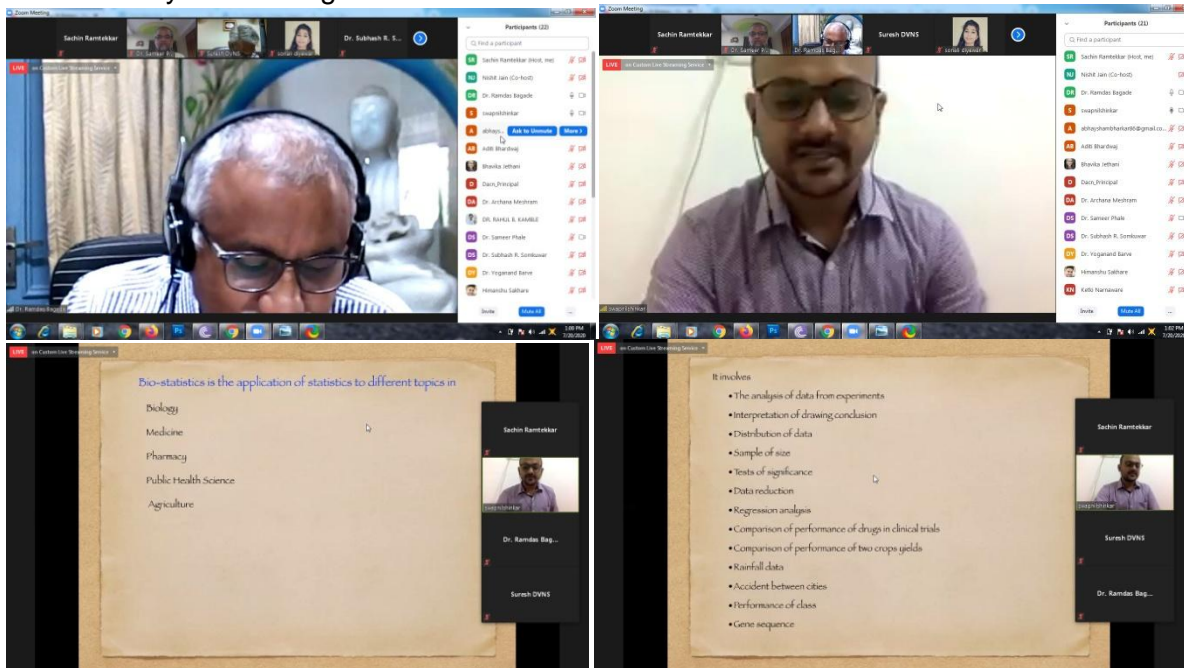


“DATA & LIFE SCIENCES IN VIEW OF STATISTICS”

MR. SAHIN GURNULE



Introduced by Dr R S Bagade



Speaker 05



“MULTI-OMICS IN SUSTAINABLE AGRICULTURE....”

DR LAVANYA GUNAMALAI

VISITING SCIENTIST, POSTHARVEST & FRESH PRODUCE DEPT.
AGRICULTURE RESEARCH ORGANISATION, STATE OF ISRAEL

Introduced by Dr S R Somkuwar, co-convenor, SWS LSAP



The screenshot shows a Zoom meeting interface with a presentation slide titled "transcriptomics – study of sets of RNA molecules (transcriptomes)".

transcriptomics – study of sets of RNA molecules (transcriptomes)

Sources of Transcriptomics

- Expression arrays
- Tiling arrays
- MicroRNA arrays
- Protein arrays - Proteomics

Whole genome transcriptome analysis

- RNASeq
- Microarray
- SAGE
- MPSS (Massively Parallel Signature Sequencing)

Target genome transcriptome analysis

- Northern blot
- Dot blot
- RT-PCR

Application of Transcriptomics

- Differential expression
- Co expression of genes
- Gene interaction
- Alternative splicing of genes

The presentation also includes a diagram showing the study of expression level of (m)RNAs - microRNAs using Affymetrix, Agilent, Illumina, and Fluidigm technologies.

Below the transcriptomics slide, another slide titled "Current state of fruit and vegetables losses" is visible:

Current state of fruit and vegetables losses

- In the **developed countries**, approximately 10–30% of harvest and vegetables is lost due to postharvest spoilage
- In the **developing countries** the losses are over 30–50% annually to lacking sanitation and refrigeration.

The slide includes images of fresh tomatoes and a tomato with mold, illustrating postharvest spoilage.

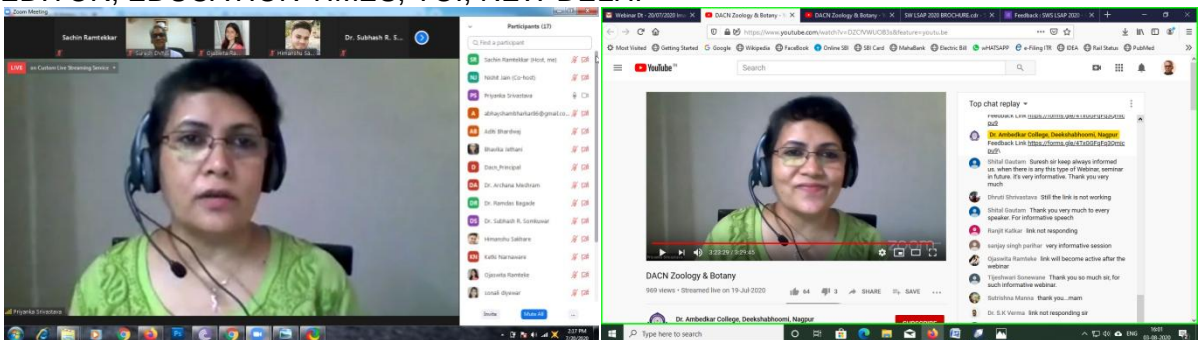
Other visible elements in the screenshot include a YouTube video player showing a cartoon about single vs multi-omics, and a slide titled "Chilling effect" showing phytopathogenic fungi and cold storage impacts on produce.



Rapporteur

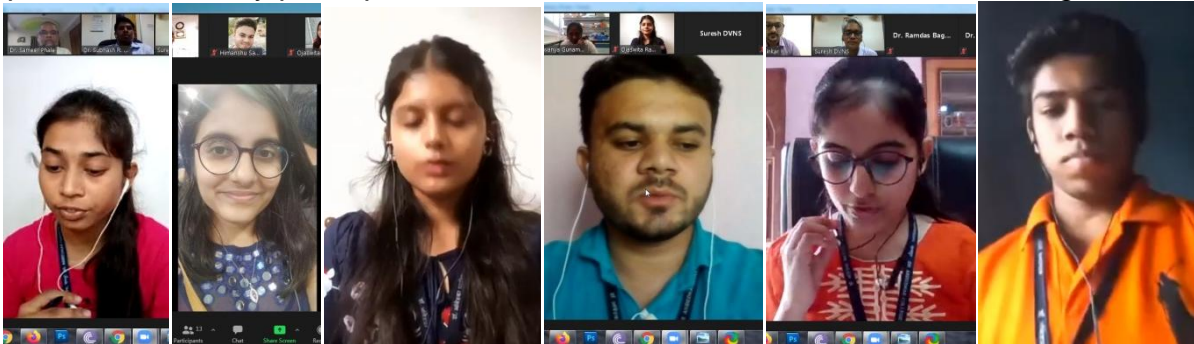


“COLLOCUTOR: THE RAPPORTEUR”
MS PRIYANKA SRIVASTAVA
EDITOR, EDUCATION TIMES, TOI, NEW DELHI



Q&A rounds

They conducted after every talk and the student committee members keep a track of questions asked by participants on the chat box of You Tube Live Streaming.





Dr. Ambedkar College, Deekshabhoomi, Nagpur

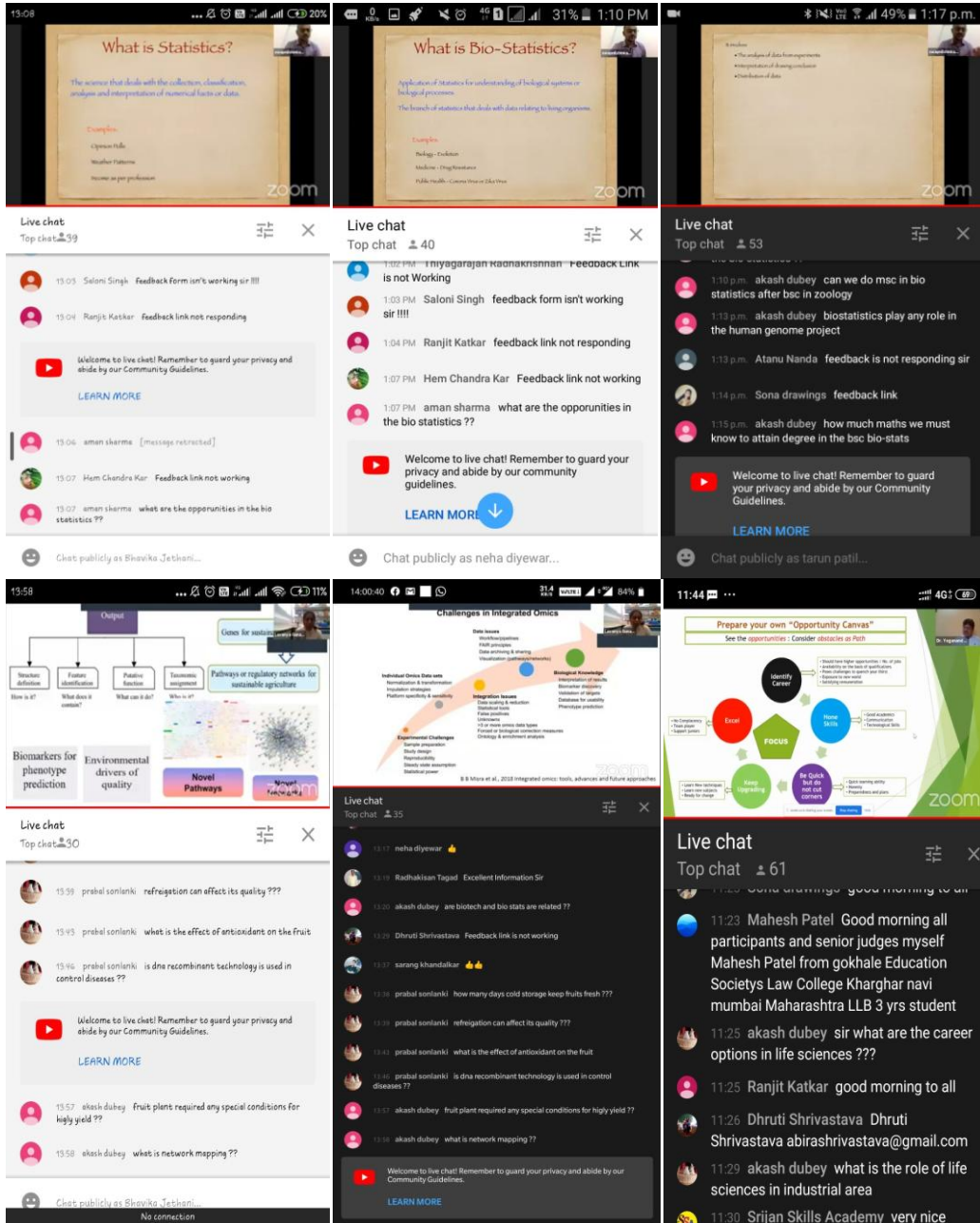
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Employment & Career Guidance Cell (ECGC) Activities 2020-2021

The image displays three screenshots from a Zoom meeting. The first screenshot shows a slide with a list of biological topics: Zoology, Botany, Pharmacology, Morphology, Evolution, Physiology, Anatomy, Genetics, Biotechnology, and Histology. Below the list is an illustration of a camel and a lion. The second screenshot shows a slide titled "Nothing in Biology Makes Sense Except in the Light of Evolution" by Theodosius Dobzhansky. The third screenshot shows a slide titled "Lesser known opportunities in Biological Sciences" with a diagram of a cell and text: "Dr. Suman K. Phule M.Sc. B.Sc. M.Phil. Ph.D. Dr. Phule Medical Entrance Institute, Laxmi Nagar, Nagpur-480 002 India".

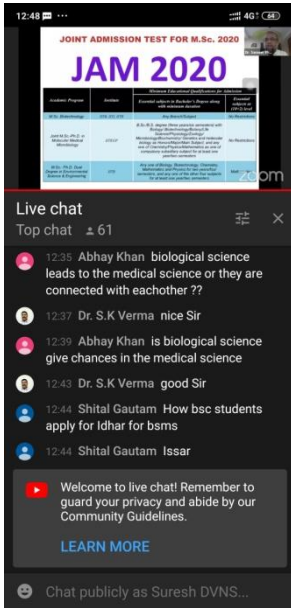
Below each slide is a screenshot of the Zoom live chat window. The first chat window shows messages from Shital Gautam, Mayuri Kadwe, Abhay Khan, and Dr. S.K Verma. The second chat window shows messages from Abhay Khan, Prachi Raikwar, Sunita Sahoo, and YAMESH LILHARE. The third chat window shows a welcome message and messages from Shital Gautam and Mayuri Kadwe.

Employment & Career Guidance Cell (ECGC) Activities 2020-2021



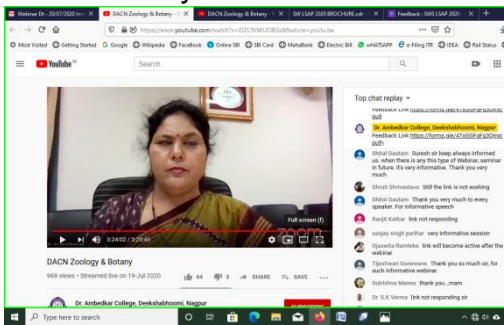
The image displays six screenshots from Zoom meetings, arranged in a 2x3 grid. Each screenshot shows a presentation slide at the top and a live chat window below it.

- Top Row, Left:** Presentation titled "What is Statistics?". The slide defines statistics as the science of collecting, classifying, analyzing, and interpreting numerical facts or data. The chat window shows messages from Saloni Singh and Ranjit Katkar regarding a non-working feedback form.
- Top Row, Middle:** Presentation titled "What is Bio-Statistics?". The slide defines it as the application of statistics to understand biological systems or biological processes. The chat window shows messages from Saloni Singh and Ranjit Katkar about a feedback form issue.
- Top Row, Right:** Presentation titled "Introduction" regarding the application of data management and interpretation in biological systems. The chat window shows messages from Akash Dubey and Atanu Nanda asking about MSc in Bio-Statistics and feedback links.
- Middle Row, Left:** Presentation titled "Output" showing a flowchart of data analysis from raw data to novel pathways. The chat window shows messages from prebal sonliank regarding re-ripening and antioxidants.
- Middle Row, Middle:** Presentation titled "Challenges in Integrated Omics" showing a diagram of data integration. The chat window shows messages from naha diyawar and Radhikaan Tagad.
- Middle Row, Right:** Presentation titled "Prepare your own 'Opportunity Canvas'" showing a circular diagram of career planning. The chat window shows messages from Mahesh Patel and Akash Dubey regarding career options in life sciences.



Seminar Conclusion

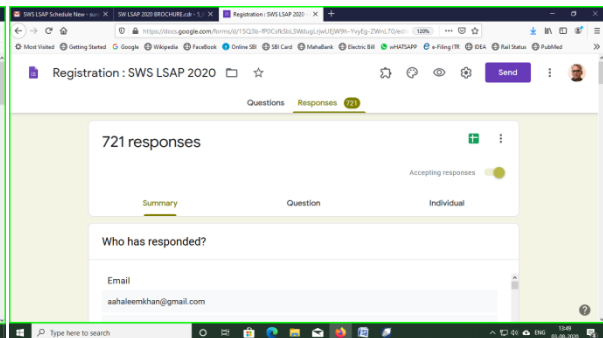
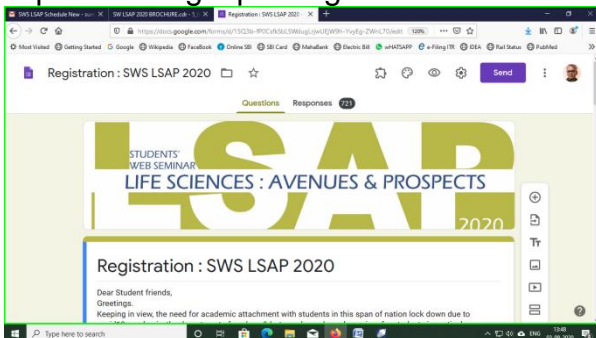
Formal vote of thanks proposed by Dr A A Meshram, joint secretary, SWS LSAP
Concluded by National Anthem



the links...

website
www.dacn.in

Registration
<https://forms.gle/pwiDkgf8NunkHBVK8>





live stream

<https://youtu.be/dzcfvuwob3s>

Feedback

<https://forms.gle/4TxGGFqFq3Qmicpu9>



the committee...



patron

H'ble Bhante Aarya Nagarjun Surei Sasai
President, Param Poojya Dr Babasaheb
Ambedkar Smarak Samiti



co-patron

Dr S S Fulzele, secretary
PPDBASmarak Samiti



chairperson

Dr Mrs P M Siriya,
principal, DACN



convener

Dr R S Bagade
head, zoology, DACN



organizing secretary

Dr DVNS Suresh
zoology, DACN



co-convener

Dr S R Somkuwar
head, botany, DACN



joint secretary

Dr A A Meshram
zoology, DACN

organizing committee members

Dr R B Kamble, botany, DACN
Ms Shruti Kharwade, botany, DACN
Mr Abhay Shambharkar, student represent
Mr Himanshu Sakhare, student represent
Ms Sonali Diyewar, student represent
Ms Ojaswita Ramteke, student represent
Mr Tarun Patil, student represent
Ms Bhavika Jethani, student represent



Outcome

To utilize the information delivered today to know about the lesser known avenues & prospects in life sciences justifying the theme of the seminar

To get ready to make themselves more industry ready
(Courtesy : Dr Yoganand Barve, Bangalore)

To strategise their preparations for the Indian forest services
(Courtesy : Ms Bharadwaj, IFS)

To mske aware of the different opportunities after graduation
(Courtesy : Dr S ameer Phale, Nagpur)

To acquit themselves with the scope of biostatistics
(Courtesy : Mr Swapnil Shinkar, Raipur)

To learnabout the different research options apast from the existing ones
(Courtesy : Dr Lavanaya Gunamalai, Israel)

To get to know about the initiatives of Times of India in education scenario in India
(Courtesy : Ms Priyanka Srivastava, Editor Education Times, TOI)

Participants' Feedback

<https://forms.gle/4TxGGFqFq3Qmicpu9>