



# Dr. Ambedkar College, Deekshabhoomi, Nagpur

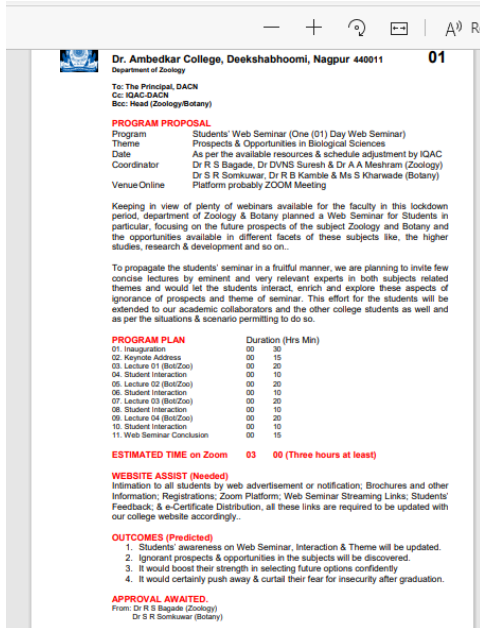
# 02

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

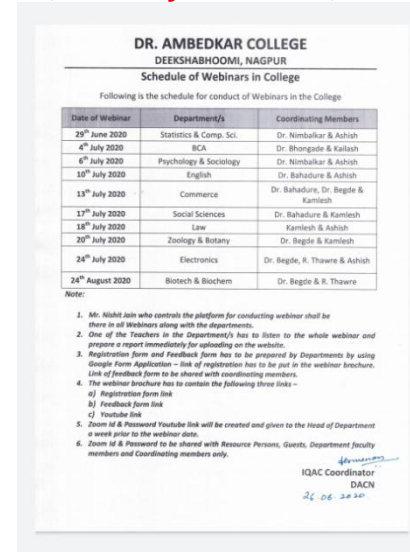
### NOTICE of the PROGRAM (Students' Web Seminar)

**Program** Students' Web Seminar Life Sciences : Avenues & Prospects  
**Date** July 20, 2020  
**Organisers** Department of Zoology & Botany  
**Online** Zoom platform & YouTube Streaming  
**Venue** Samiti Room, DACN

The proposal for the Students' Web Seminar was submitted to the Principal and IQAC, DACN for approval through email in June 2020 in joint collaboration with Botany department



We have been allotted a date of July 20, 2020 by the IQAC, DACN



## Brochure of Students' Web Seminar Life Sciences : Avenues & Prospects 2020

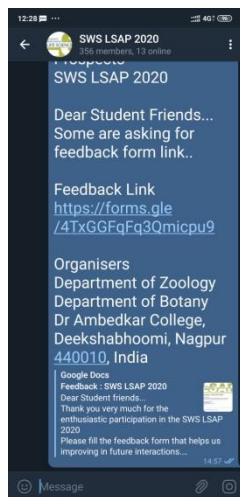


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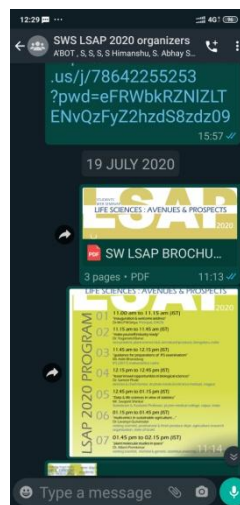
# 02

## 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. P.M. 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 Bhuradwadeg 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, vezneclier, 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 Bhuradwadeg 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



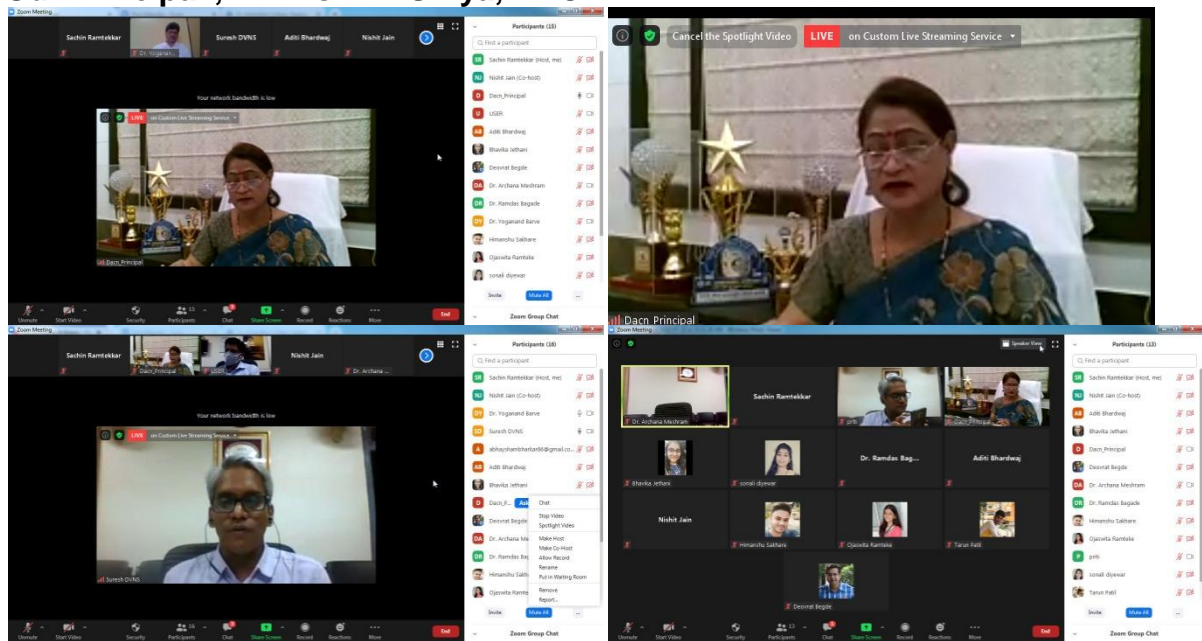
lesser known opportunities than the common prevalent ones to justify the theme of seminar "Life Sciences : Avenues & Prospects". The students would interact, enrich and explore these untouched aspects of ignorance of prospects. We would further take these effort by extended to our academic collaborators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

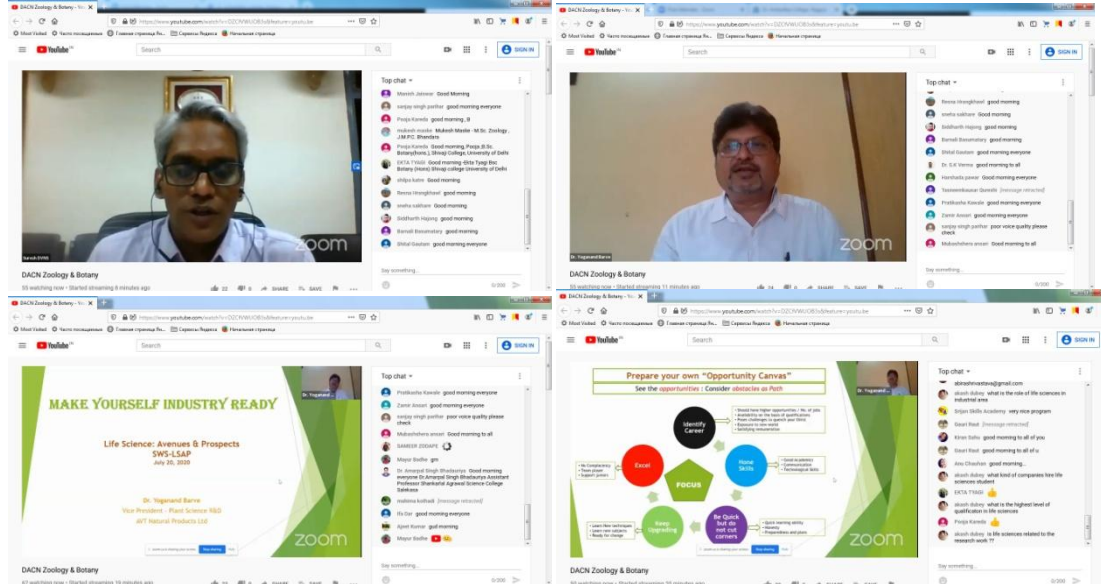


**"MAKE YOURSELF INDUSTRY READY"**  
**DR. YOGANAND BARVE**



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

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

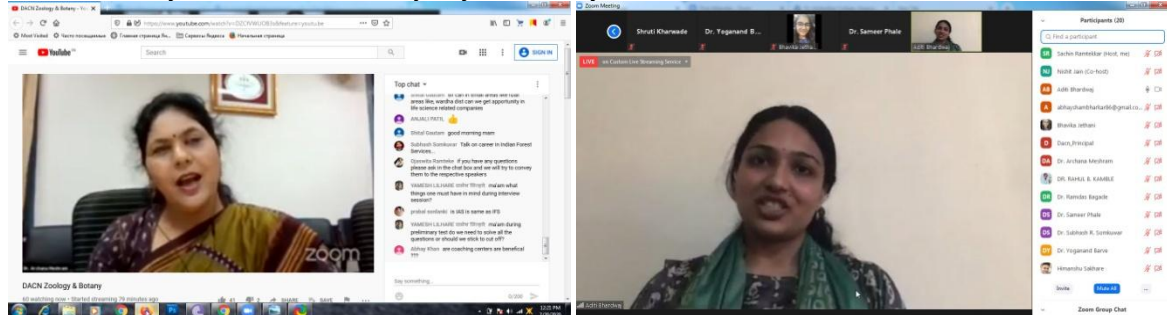


**Speaker 02**



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

**Introduced by Dr AA Meshram, joiny secretary, SWS LSAP**



**Speaker 03**



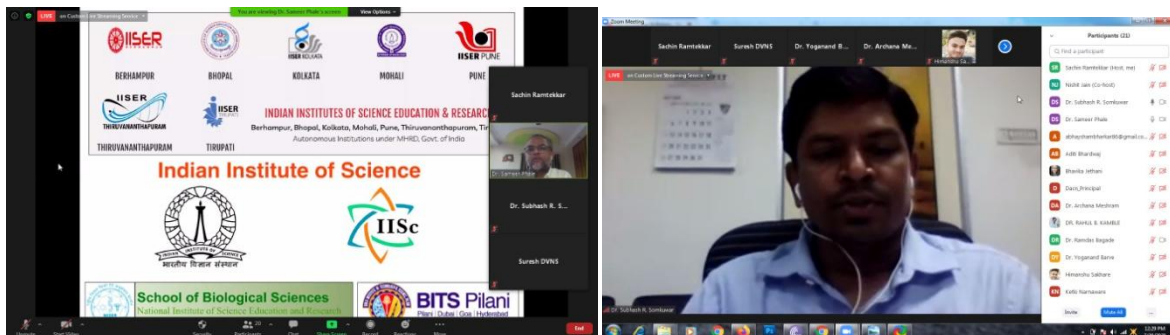
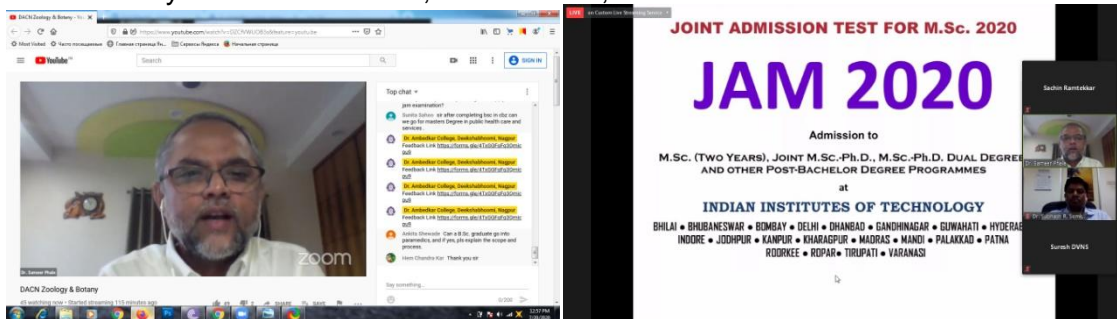
“LESSER KNOWN OPPORTUNITIES...”

**DR SAMEER PHALE**

DIRECTOR & CHIEF MENTOR

DR PHALE MEDICAL ENTRANCE INSTITUTE, NAGPUR

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



**Speaker 04**

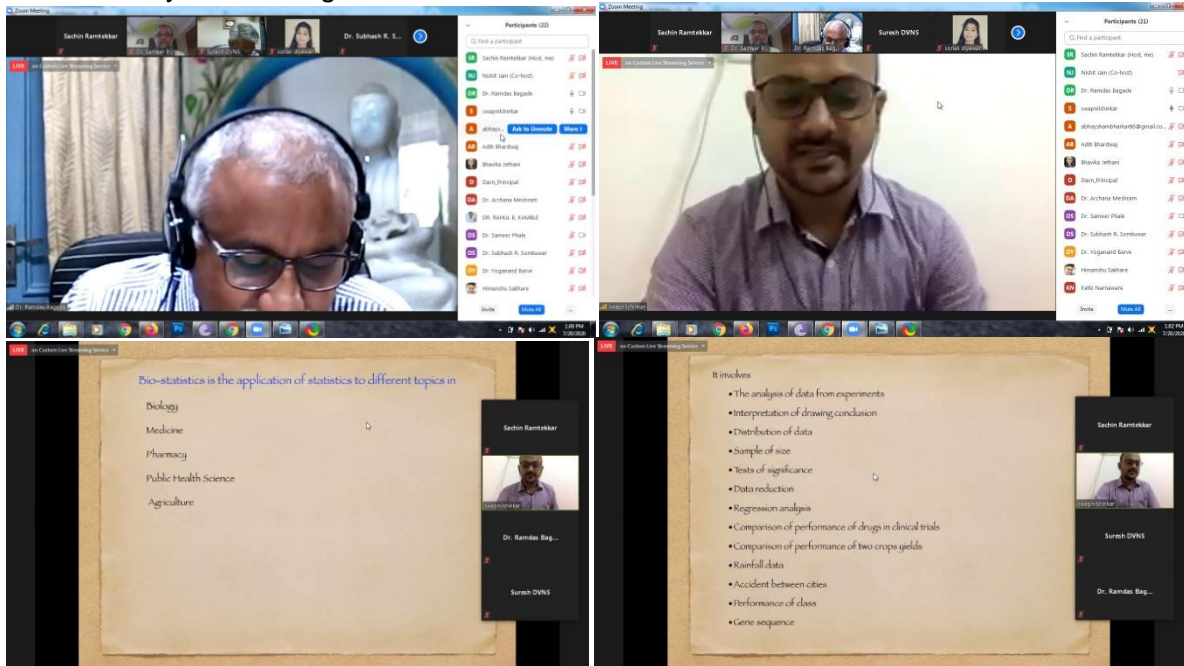


“DATA & LIFE SCIENCES IN VIEW OF STATISTICS”

**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.

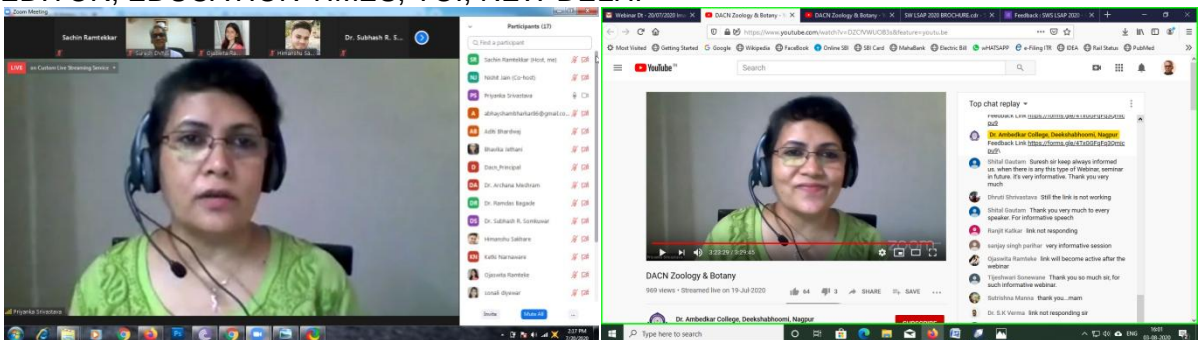
Another slide titled "Chilling effect" is also visible, showing a diagram of a vegetable bin with a "Chilling effect" icon and "Phytopathogenic fungi" icon, leading to "Cold storage" and "Analysis array".



Rapporteur

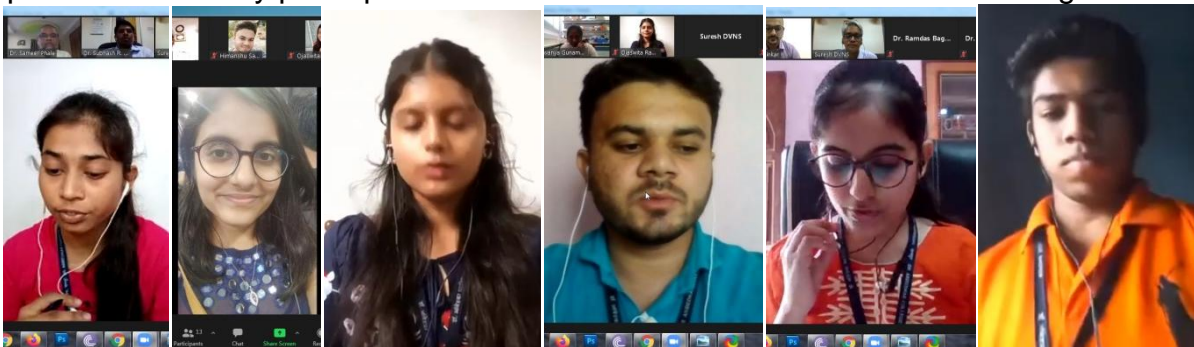


“COLLOCUTOR: THE RAPPORTEUR”  
**MS PRIYANKA SRIVASTAVA**  
EDITOR, EDUCATION TIMES, TOI, NEW DELHI



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.







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# 02

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The image shows a Zoom meeting interface with three slides and three chat windows. The first slide lists biological subjects: Zoology, Botany, Pharmacology, Morphology, Evolution, Physiology, Anatomy, Genetics, Biotechnology, and Histology. The second slide features a quote: "Nothing in Biology Makes Sense Except in the Light of Evolution" by Theodosius Dobzhansky. The third slide is titled "Lesser known opportunities in Biological Sciences" and lists various career paths like Environmental Science, Forestry, and Fisheries. The chat windows contain questions from students and responses from the host, including a welcome message and a link to learn more.

**Slide 1: Subjects**

- Zoology
- Botany
- Pharmacology
- Morphology
- Evolution
- Physiology
- Anatomy
- Genetics
- Biotechnology
- Histology

**Slide 2: Quote**

Nothing in Biology Makes Sense Except in the Light of Evolution  
Theodosius Dobzhansky

**Slide 3: Opportunities**

Lesser known opportunities in Biological Sciences

- Environmental Science
- Forestry
- Fisheries
- Wildlife Management
- Plantation Management
- Plantation Survey
- Plantation Management

Dr. Bannerji R. Ph.D.  
M.Sc. B.Sc. M.Phil. Ph.D.  
Dr. Phule Medical Entrance Institute  
Laxmi Nagar, Nagpur-465 002  
India

**Chat Window 1:**

12:27 p.m. Shital Gautam Thank you sir.

12:34 p.m. Mayuri Kadwe what are the chances of getting jobs in Zoological survey of india after getting masters degree in zoology?

12:35 p.m. Abhay Khan biological science leads to the medical science or they are connected with eachother ??

12:37 p.m. Dr. S.K Verma nice Sir

12:39 p.m. Abhay Khan is biological science give chances in the medical science

Welcome to live chat! Remember to guard your privacy and abide by our Community Guidelines.

Chat publicly as tarun patil...

**Chat Window 2:**

12:39 PM Abhay Khan which institute give admission in the oceanography

12:50 PM Prachi Raikwar which is best IIT institute??

12:50 PM Sunita Sahoo [message retracted]

12:51 PM Sunita Sahoo what are Job opportunities for Msc Zoology?

12:51 PM Abhay Khan how many seats are available in the AIIMS 2020 ??

12:53 PM YAMESH LILHARE गमेश लिलहारे sir with zoology or botany as subject is anyone eligible to apply for jam examination?

12:54 PM Sunita Sahoo sir after completing bsc in cbz can we go for masters Degree in public health care and services .

Chat publicly as neha diyewar...

**Chat Window 3:**

12:24 PM Abhay Khan salary of IFS is same as IAS

12:26 PM Mayuri Kadwe [message retracted]

Welcome to live chat! Remember to guard your privacy and abide by our community guidelines.

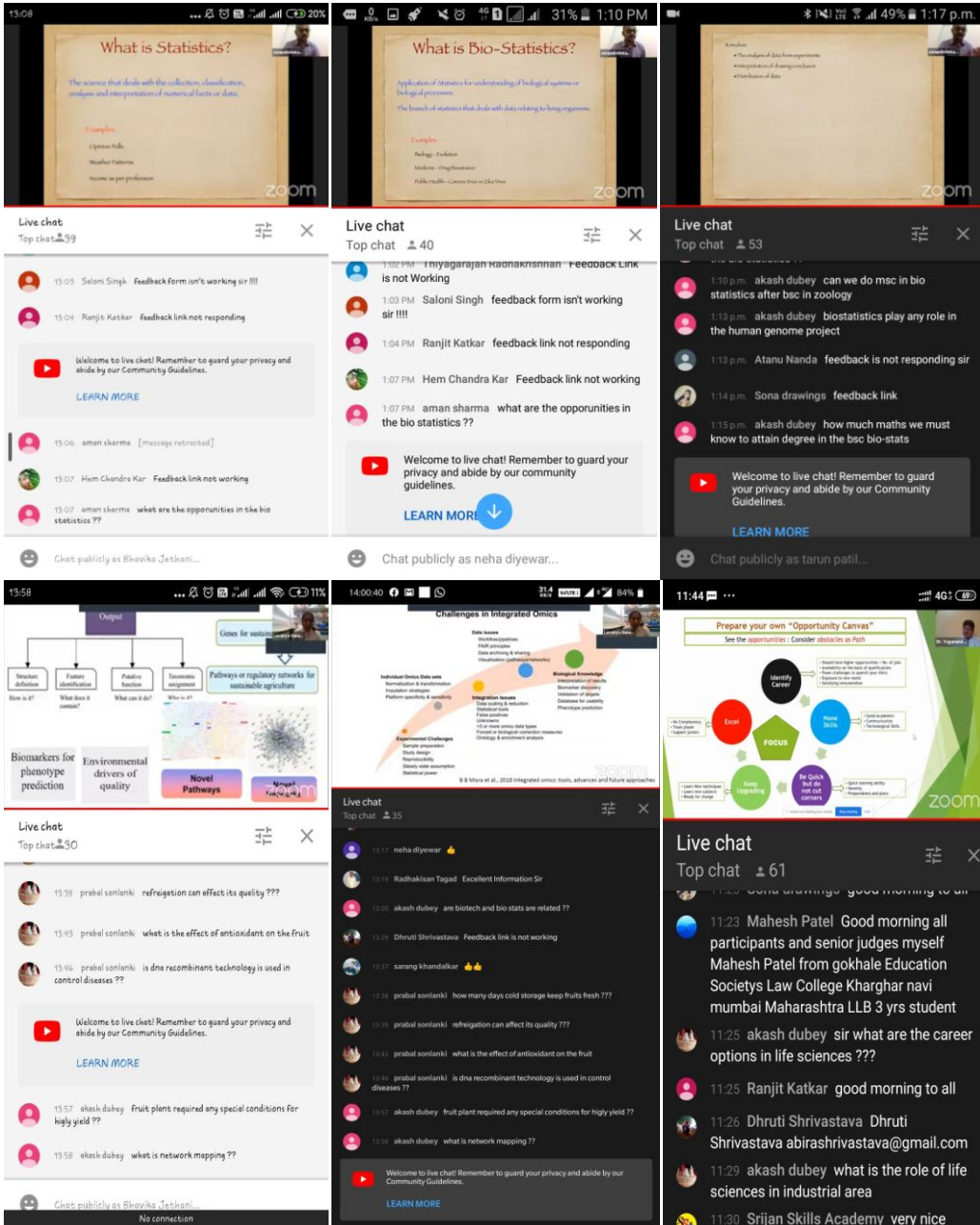
[LEARN MORE](#)

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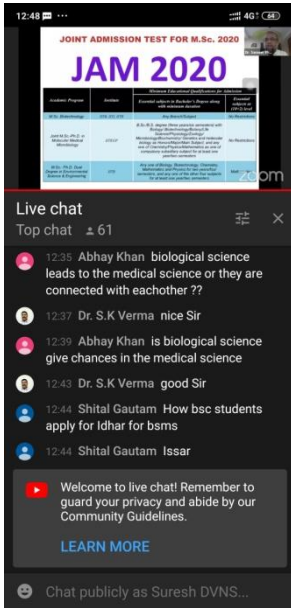
Chat publicly as neha diyewar...

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



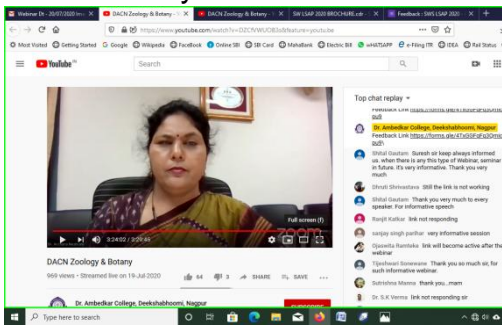
The image displays six screenshots from Zoom meetings, arranged in a 2x3 grid. Each screenshot shows a presentation slide at the top and a live chat window below it.

- Top Row, Left:** Presentation: "What is Statistics?". Slide content: "The science that deals with the collection, classification, analysis and interpretation of numerical facts or data." Example: "Lipman Hill, Weather Patterns, Income as per profession." Live chat: 13:03 Saloni Singh: "feedback form isn't working sir!!!!", 13:04 Ranjit Katkar: "feedback link not responding".
- Top Row, Middle:** Presentation: "What is Bio-Statistics?". Slide content: "Application of statistics for understanding of biological systems or biological processes." Example: "Pedagogy - Evolution, Medicine - Drug Resistance, Public Health - Control of COVID-19 virus." Live chat: 1:02 PM Inyagarajan kaonakrisnan: "Feedback LINK is not Working", 1:03 PM Saloni Singh: "feedback form isn't working sir!!!!", 1:04 PM Ranjit Katkar: "feedback link not responding", 1:07 PM Hem Chandra Kar: "Feedback link not working", 1:07 PM aman sharma: "what are the opportunities in the bio statistics??".
- Top Row, Right:** Presentation: "Introduction". Slide content: "The analysis of data from experiments, interpretation of experimental results, visualization of data." Live chat: 1:10 p.m. akash dubey: "can we do msc in bio statistics after bsc in zoology", 1:13 p.m. akash dubey: "biostatistics play any role in the human genome project", 1:13 p.m. Atanu Nanda: "feedback is not responding sir", 1:14 p.m. Sona drawings: "feedback link", 1:15 p.m. akash dubey: "how much maths we must know to attain degree in the bsc bio-stats".
- Bottom Row, Left:** Presentation: "Output". Slide content: "Genes for sustainable agriculture", "Biomarkers for phenotype prediction", "Environmental drivers of quality", "Novel Pathways", "Novel Technologies". Live chat: 13:39 prebal sonianki: "refrigeration can affect its quality???", 13:43 prebal sonianki: "what is the effect of antioxidants on the fruit", 13:46 prebal sonianki: "is dna recombinant technology is used in control diseases??".
- Bottom Row, Middle:** Presentation: "Challenges in Integrated Omics". Slide content: "Data Issues", "Integration Issues", "Experimental Challenges". Live chat: 14:00:40, 14:01:00 Radhakrishnan Tagad: "Excellent Information Sir", 14:02:00 akash dubey: "are biotech and bio stats are related??", 14:02:29 Dhruvi Shrivastava: "Feedback link is not working", 14:03:07 sarang khandalikar: "👍", 14:03:38 prebal sonianki: "how many days cold storage keep fruits fresh???", 14:03:58 prebal sonianki: "refrigeration can affect its quality???", 14:04:18 prebal sonianki: "what is the effect of antioxidant on the fruit", 14:04:38 prebal sonianki: "is dna recombinant technology is used in control diseases??", 14:05:07 akash dubey: "fruit plant required any special conditions for highly yield??", 14:05:27 akash dubey: "what is network mapping??".
- Bottom Row, Right:** Presentation: "Prepare your own 'Opportunity Canvas'". Slide content: "See the opportunities! Consider obstacles on path", "Identify Career", "Focus", "Act". Live chat: 11:23 Mahesh Patel: "Good morning all participants and senior judges myself Mahesh Patel from gokhale Education Societys Law College Kharghar navi mumbai Maharashtra LLB 3 yrs student", 11:25 akash dubey: "sir what are the career options in life sciences???", 11:25 Ranjit Katkar: "good morning to all", 11:26 Dhruvi Shrivastava: "Dhruvi Shrivastava abirshrivastava@gmail.com", 11:29 akash dubey: "what is the role of life sciences in industrial area", 11:30 Srijan Skills Academy: "very nice".



### Seminar Conclusion

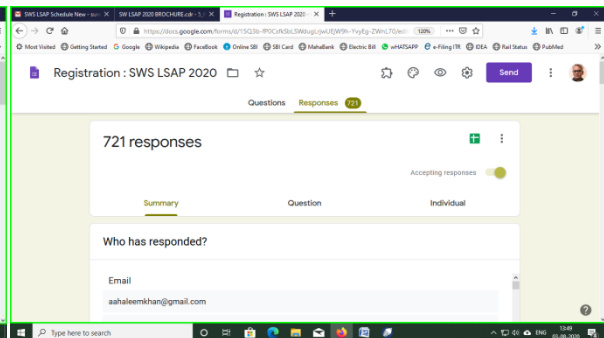
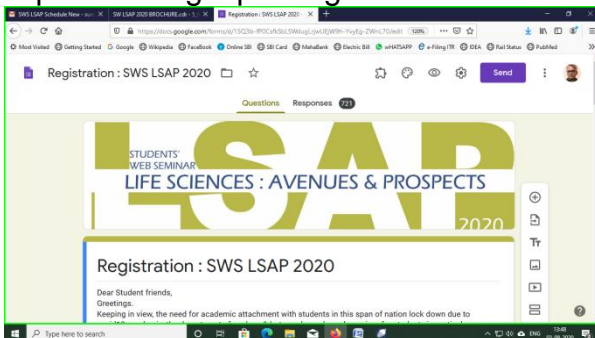
Formal vote of thanks proposed by Dr A A Meshram, joint secretary, SWS LSAP  
Concluded by National Anthem



the links...

website  
[www.dacn.in](http://www.dacn.in)

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

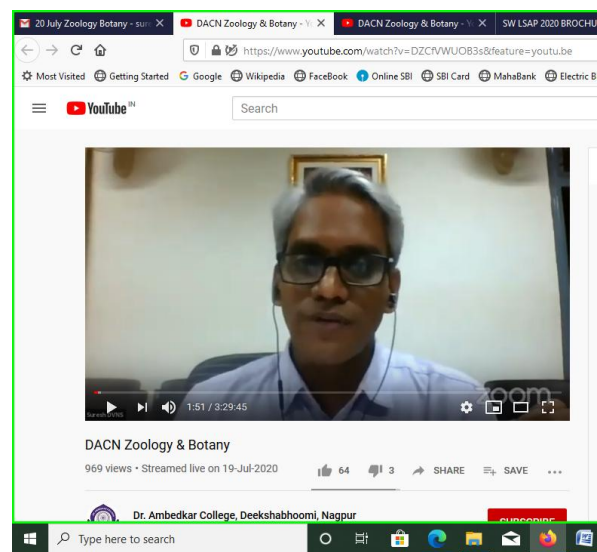
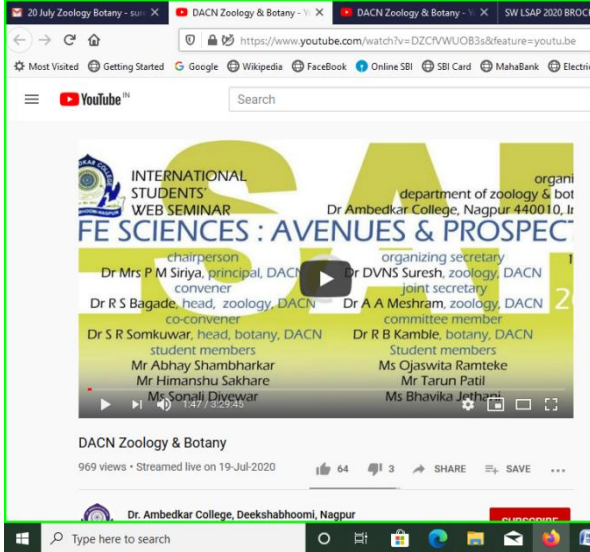






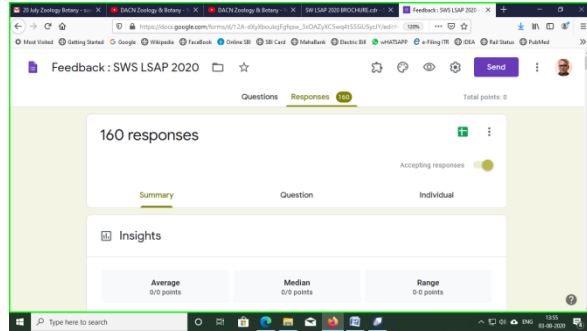
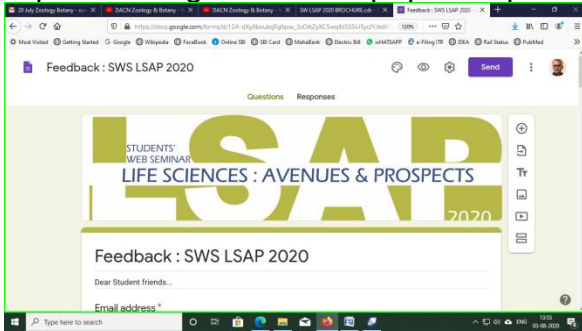
live stream

<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>