



Dr. Ambedkar College, Deekshabhoomi, Nagpur

Department of Botany
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 Botany & Zoology
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

Dr. Ambedkar College, Deekshabhoomi, Nagpur 440011 **01**

To: The Principal, DACN
Cc: IQAC-DACN
Bcc: Head (Zoology/Botany)

PROGRAM PROPOSAL

Program Students' Web Seminar (One (01) Day Web Seminar)
Theme Prospects & Opportunities in Biological Sciences
Date As per the available resources & schedule adjustment by IQAC
Coordinator Dr. R. S. Bagade, Dr. DVNS Suresh & Dr. A. A. Meshram (Zoology)
Dr. S. R. Somkuwar, Dr. R. B. Kamble & Ms. S. Kharwade (Botany)
Venue Online Platform probably ZOOM Meeting

Keeping in view of plenty of webinars available for the faculty in this lockdown period, department of Zoology & Botany planned a Web Seminar for Students in particular, focusing on the future prospects of the subject Zoology and Botany and the opportunities available in different facets of these subjects like, the higher studies, research & development and so on...

To propagate the students' seminar in a fruitful manner, we are planning to invite few concise lectures by eminent and very relevant experts in both subjects related themes and would let the students interact, enrich and explore these aspects of ignorance of prospects and theme of seminar. This effort for the students will be extended to our academic collaborators and the other college students as well and as per the situations & scenario permitting to do so.

PROGRAM PLAN

Sl. No.	Activity	Duration (Hrs Min)
01	Inauguration	00 20
02	Keynote Address	00 15
03	Lecture 01 (Bot/Zoo)	00 20
04	Student Interaction	00 10
05	Lecture 02 (Bot/Zoo)	00 20
06	Student Interaction	00 10
07	Lecture 03 (Bot/Zoo)	00 20
08	Student Interaction	00 10
09	Lecture 04 (Bot/Zoo)	00 20
10	Student Interaction	00 10
11	Web Seminar Conclusion	00 15

ESTIMATED TIME on Zoom 03 00 (Three hours at least)

WEBSITE ASSIST (Needed)
Intimation to all students by web advertisement or notification; Brochures and other Information; Registrations; Zoom Platform; Web Seminar Streaming Links; Students' Feedback; & e-Certificate Distribution, all these links are required to be updated with our college website accordingly.

OUTCOMES (Predicted)

1. Students' awareness on Web Seminar, Interaction & Theme will be updated.
2. Ignorant prospects & opportunities in the subjects will be discovered.
3. It would boost their strength in selecting future options confidently.
4. It would certainly push away & curtail their fear for insecurity after graduation.

APPROVAL AWAITED.
From: Dr. R. S. Bagade (Zoology)
Dr. S. R. Somkuwar (Botany)

DR. AMBEDKAR COLLEGE
DEEKSHABHOOMI, NAGPUR

Schedule of Webinars in College

Following is the schedule for conduct of Webinars in the College

Date of Webinar	Department/s	Coordinating Members
29 th June 2020	Statistics & Comp. Sci.	Dr. Nimbalkar & Ashish
4 th July 2020	BCA	Dr. Bhargade & Kalpani
6 th July 2020	Psychology & Sociology	Dr. Nimbalkar & Ashish
10 th July 2020	English	Dr. Bahadure & Ashish
13 th July 2020	Commerce	Dr. Bahadure, Dr. Begde & Kamlesh
17 th July 2020	Social Sciences	Dr. Bahadure & Kamlesh
18 th July 2020	Law	Kamlesh & Ashish
20 th July 2020	Zoology & Botany	Dr. Begde & Kamlesh
24 th August 2020	Electronics	Dr. Begde, R. Thaware & Ashish
24 th August 2020	Biotech & Biochem	Dr. Fegade & R. Thaware

Note:

1. Mr. Nishit Jain who controls the platform for conducting webinar shall be there in all Webinars along with the departments.
2. One of the teachers in the Department/s has to listen to the whole webinar and prepare a report immediately for uploading on the website.
3. Registration form and feedback form has to be prepared by Departments by using Sample Form Application - link of registration has to be put in the webinar brochure. Link of feedback form to be shared with coordinating members.
4. The webinar brochure has to contain the following three links -
a) Registration form link
b) Feedback form link
c) Youtube link
5. Zoom ID & Password Youtube link will be created and given to the Head of Department a week prior to the webinar date.
6. Zoom ID & Password to be shared with Resource Persons, Guests, Department faculty members and Coordinating members only.

IQAC Coordinator
DACN
26.06.2020

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

STUDENTS' WEB SEMINAR
LIFE SCIENCES : AVENUES & PROSPECTS
2020

RE-ACCREDITED WITH 'A' GRADE BY NAAC

SWS-LSAP 2020

one day international students' web seminar
LIFE SCIENCES : AVENUES & PROSPECTS

July 20, 2020
11.00 am

organised by
department of botany
department of zoology
DACN

Patron Poojai Dr. Babasaheb Ambedkar Smarak Samiti
Dr Ambedkar College
Deekshabhoomi, Nagpur-440010, India

college at a glance

Founded by the visionary late politician and statesman B. R. Ambedkar in 1964, Dr. Ambedkar College, Nagpur (DACN), affiliated to the prestigious and old Maharashtra University, Nagpur is located in the best center for higher learning - DACN situated in the center of the Gangajyoti or the Deekshabhoomi where, Bharat ratna Dr. B. R. Ambedkar, the architect of the Indian constitution, embarked upon his last journey under the stars of Ganesh puja. Dr. Babasaheb Ambedkar Smarak Samiti, Deekshabhoomi, Nagpur-440010, DACN originally began with a vision of providing a seat of excellence education and took the first modest step in this direction in 1964 with the introduction of arts and commerce faculties, change of time-consuming inquiries were made around the vicinity and campus in the early investments encouraged in to introduce science faculty in 1969. Prior to joining to save the Babasaheb's last to fight the justice, we provided the right opportunity when DACN started law faculty in 1992, so long ago with the DACN also provided management education from 1988-1996 when the special management institute was established.

students' web seminar

Keeping in view, the need for academic interaction with students in the span of nation lock down due to covid 19 pandemic, 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, interacting and so on. We well know but less known different ones are usually ignored or afraid to opt as they are uncertain. We hereby invite such interested and determined to our graduates students, and to propagate the students' seminar in a fruitful manner, we are planning to invite few such experts in their domains related to both subjects, who would enlighten you all about the lesser known opportunities in their common profession to justify the theme of seminar 'life sciences : avenues & prospects'. If the students would interest, enrich and explore these different aspects of agriculture or prospects, we would further take these effort by extended to our academic collaborators and the other college students as well as per the situations & scenario permitting to do so.

the speakers...

"make yourself industry ready"
Dr. Yogendra Birve
vice president, giant's medicinal
AVT Pharma products, Bengaluru, India

"plant molecular studies in space"
Dr. Albert Premkumar
visiting scientist, media & genetic
Islamabad University, vice-chancellor, Islamabad

"data & life sciences in view of statistics"
Mr. Swapnil Shankar
lecturer and assistant professor
M J M medical college, Nagpur, India

"guidance for preparations of 'IES'"
Mr. Aditi Bhargava
IFS (2017) evaluation cadre

"less known opportunities..."
Dr. Sameer Phale
director & chief mentor
Dr. Prate medical entrance, Patna, Bihar

"multi-omics in sustainable agriculture..."
Dr. Laxmika Gurunolal
visiting scientist, postharvest & fresh produce post
agriculture research organization, Mumbai

"collocutor: the rapporteur"
Ms. Poojashree Shrivastava
editor, education times

STUDENTS' WEB SEMINAR
LIFE SCIENCES : AVENUES & PROSPECTS
2020

participation...

- graduates from any college & university with background in botany, zoology, biochemistry, bio-tech, environment, fisheries, forensic, forestry, genetics, microbiology, zoology as one of the subjects for their study programs can participate
- every participant will get a certificate

the committee...

President: **Dr. Poojai Dr. Babasaheb Ambedkar Smarak Samiti**

Secretary: **Patam Poojai Dr. Babasaheb Ambedkar Smarak Samiti**

Chairperson: **Dr. P. M. Sanyal, principal, DACN**

convener: **Dr. R. S. Bagade, head, zoology, DACN**

co-convener: **Dr. S. R. Somkuwar, head, botany, DACN**

organizing secretary: **Dr. DVNS Suresh, zoology, DACN**

joint secretary: **Dr. A. Meshram, zoology, DACN**

organizing committee members:
Dr. P. R. Kamble, Zoology, DACN
Ms. Shilpa Kharwade, Botany, DACN
Mr. Abhay Shambhakar, student represent
Mr. Himanshu Sakhare, student represent
Ms. Sushil Dnyanesh, student represent
Ms. Qusaywa Bemeche, student represent
Mr. Tarun Patel, student represent
Ms. Bhavika Jethava, student represent

contacts...

Dr. DVNS Suresh
sureshdvn@gmail.com
+91 98256 99868

Dr. S. R. Somkuwar
srmkswar@gmail.com
+91 95273 57556

Mr. Himanshu Sakhare
007sakhare@gmail.com
+21 762084 7723

Mr. Abhay Shambhakar
abhayshambhakar16@gmail.com
+81 83216 15838



Dr. Ambedkar College, Deekshabhoomi, Nagpur

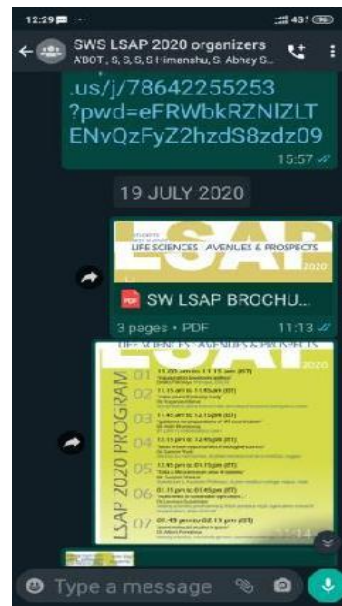
Department of Botany
Activities 2020-2021

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 &

Final Schedule of the Day July 20, 2020

STUDENTS' WEB SEMINAR	
LIFE SCIENCES : AVENUES & PROSPECTS	
LSAP 2020	
01	11:00 am to 11:15 am (IST) "Inauguration & welcome address" Dr.MR.P.M.Sriya, Principal, DACN
02	11:15 am to 11:45 am (IST) "make yourself industry ready" Dr. Yoginand Bhave visiting scientist, plant science lab, and natural products, bengaluru india
03	11:45 am to 12:15 pm (IST) "guidance for preparations of IFS examination" Ms Aditi Shrivastava IFS (2012) 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, ptjm medical college, raipur, india
06	01:15 pm to 01:45 pm (IST) "multi-omics in sustainable agriculture..." Dr Lavanya Gunamathi visiting scientist, post harvest & 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, isambu University, veerweler, ttambul
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) "vets of thanks & national anthem"

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

STUDENTS' WEB SEMINAR	
LIFE SCIENCES : AVENUES & PROSPECTS	
LSAP 2020	
10:30 - 1:00	organisers & Speakers check their connectivities
1:00	Curians Up SIAKI on zooms, LIVE on YouTube
1:00 - 1:05	Welcome and Seminar theme by RSB/SRS/DVNS
1:05 - 1:10	Welcome address (Dr Mrs Sriya, Principal)
1:10 - 1:15	Intro of Speaker 01 Dr Yoginand Bhave by DVNS
1:15 - 1:35	Lecture continues YouTube O&A by BJ/TP
1:35 - 1:37	Thanks by introducer by DVNS
1:37 - 1:45	Student Interaction conducted by EJ/TP
1:45 - 1:47	Intro of Speaker 02 Ms Aditi Bhardwaj by AAM
1:47 - 2:07	Lecture continues YouTube O&A by OR/HS
2:07 - 2:08	Thanks by introducer by AAM
2:08 - 2:15	Student Interaction conducted by OR/HS
2:15 - 2:17	Intro of Speaker 03 Dr Sameer Phale by SRS
2:17 - 2:37	Lecture continues YouTube O&A by SD/AS
2:37 - 2:38	Thanks by introducer by SRS
2:38 - 2:45	Student Interaction conducted by SD/AS
2:45 - 2:47	Intro of Speaker 04 Mr Swapnil Shinkar by RSD
2:47 - 01:07	Lecture continues YouTube O&A by BJ/TP
01:07 - 01:08	Thanks by introducer by RSB
01:08 - 01:15	Student Interaction conducted by EJ/TP
01:15 - 01:17	Intro of Speaker 05 Dr Lavanya Gunamathi by SRS
01:17 - 01:37	Lecture continues YouTube O&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 O&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	Curians 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 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 know 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



Dr. Ambedkar College, Deekshabhoomi, Nagpur

Department of Botany
Activities 2020-2021

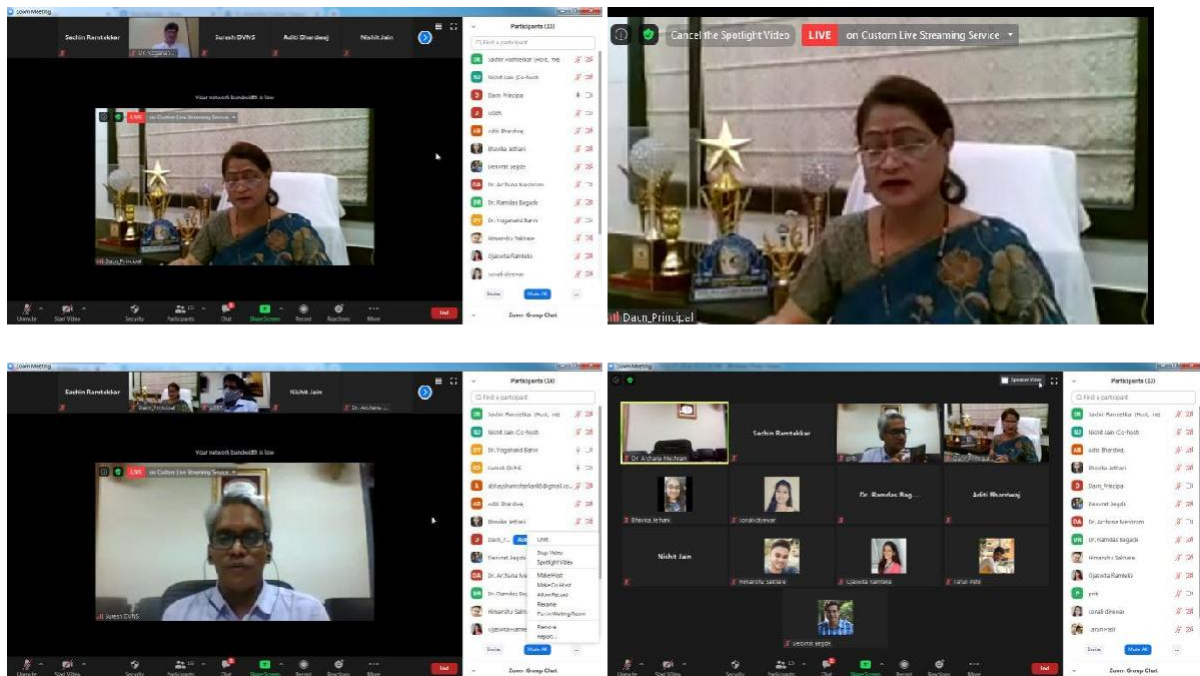
prevalent ones to justify the theme of seminar "Life Sciences : Avenues & Prospects". The students would interact, enrich and explore these untouched aspects of ignorance of prospects. We would further take these effort by extended to our academic collaborators and the other college students as well 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 the seminar was live on YouTube Live Streaming.

Welcome Address

Our Principal , Dr Mrs P M Siriya, DACN



She spoke about the college; the management and their untiring efforts to enhance and enrich the overall progress of the institution. She also observed the overwhelming response of the student participants and wished the committee for successful accomplishment.

Soon after the principal's address, the first speaker was invited to the forum for his presentation from Bangalore live. The content and the important information catered by the speaker about the industry ready context was so engrossing that even the little connectivity issue in the beginning was not in the memory trail. Then the theme was shifted to indian forest services and the preparations towards its examination in an IFS officer's words. Hereon the students were taken aboard to the flight of lesser known opportunities & examinations through an eminent career mentor & tutor from the city. One of his narration about biostatistics was picked up by another biostatistician from a nearby regional medical college who consistently related the



Dr. Ambedkar College, Deekshabhoomi, Nagpur

Department of Botany
Activities 2020-2021

data and life sciences in a daily medical college routine basis. This took a research turn now and we all landed up online in Israel from where an indian doctorate being a visiting faculty in Israel agricultural organisation, made us all aware of different – omics involved in the agricultural developments and existing research opportunities that are not usually evident enough.

The speakers

Speaker 01

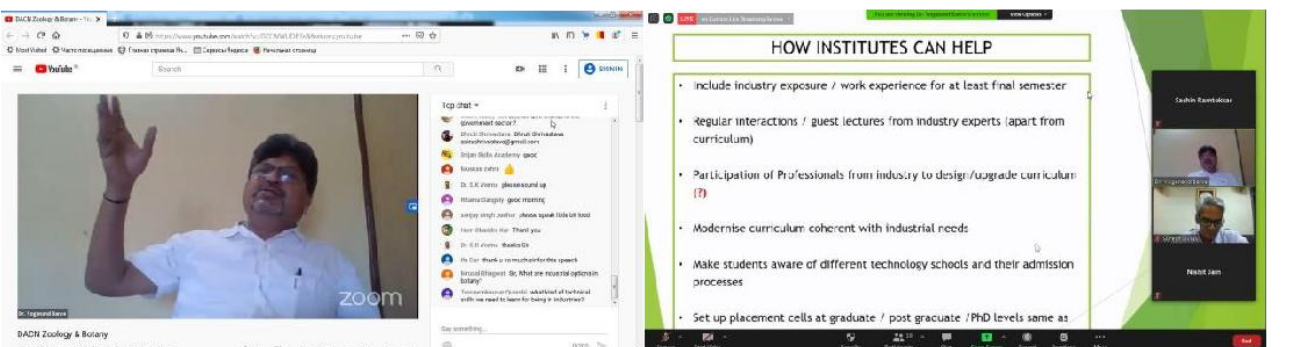
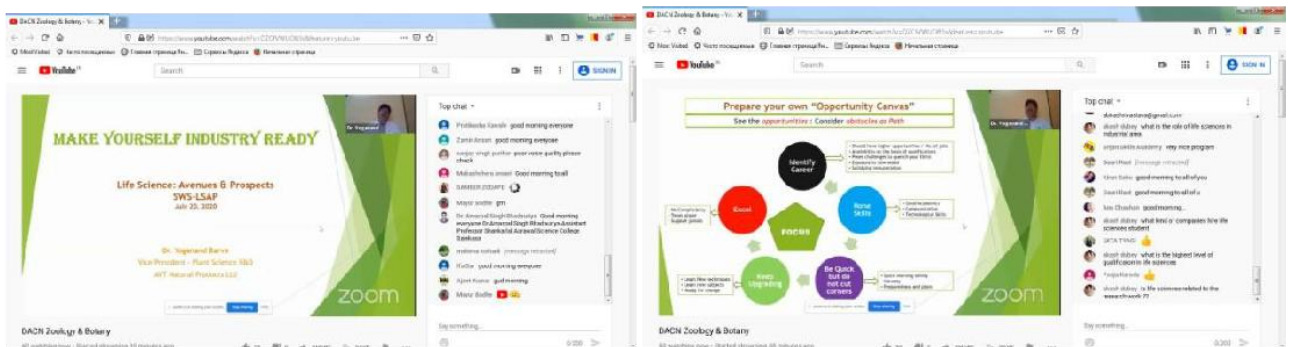
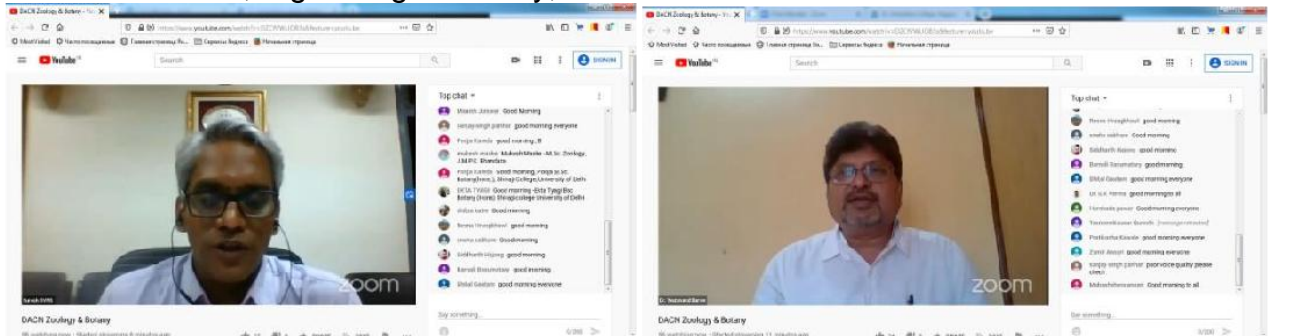


“MAKE YOURSELF INDUSTRY READY”

DR. YOGANAND BARVE

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

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





Dr. Ambedkar College, Deekshabhoomi, Nagpur
Department of Botany
Activities 2020-2021

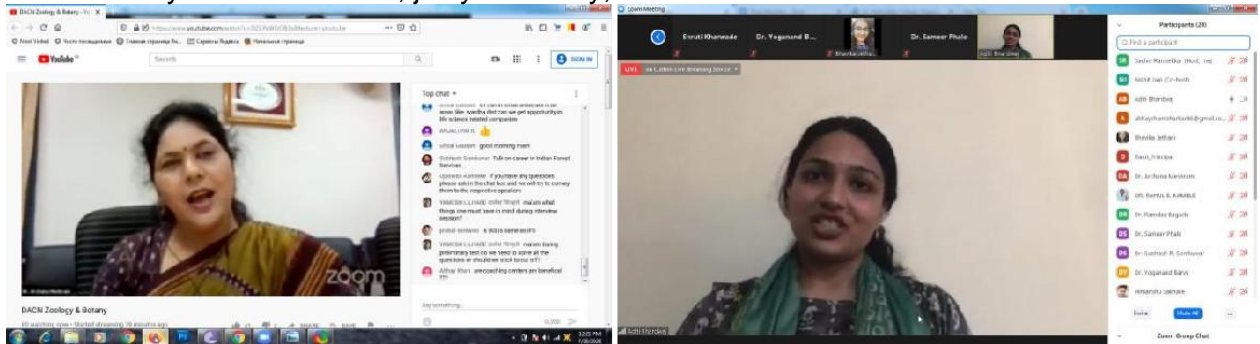
Speaker 02



“GUIDANCE FOR PREPARATIONS OF IFS”

MS ADITI BHARADWAJ
IFS (2017) MAHARASHTRA CADRE

Introduced by Dr AA Meshram, jointy secretary, SWS LSAP



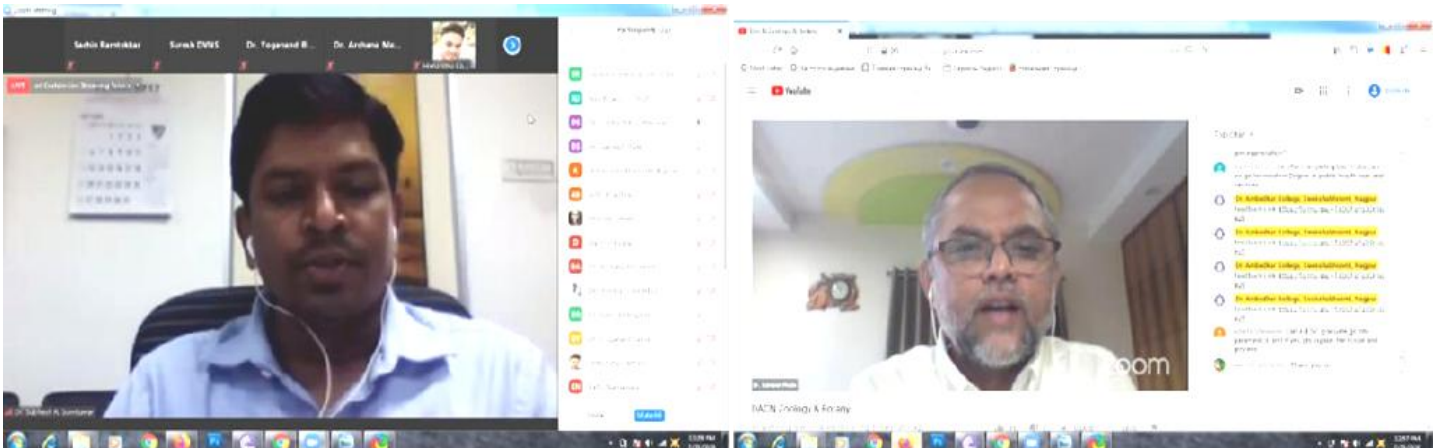
Speaker 03



“LESSER KNOWN OPPORTUNITIES...”

DR SAMEER PHALE
DIRECTOR & CHIEF MENTOR
DR PHALE MEDICAL ENTRANCE INSTITUTE, NAGPUR

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





Dr. Ambedkar College, Deekshabhoomi, Nagpur
 Department of Botany
 Activities 2020-2021



Speaker 04

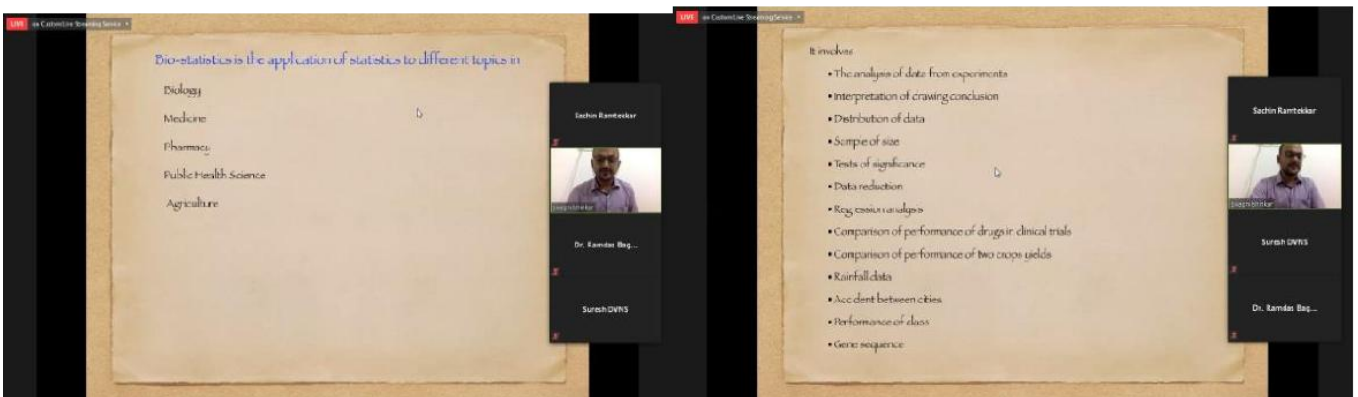
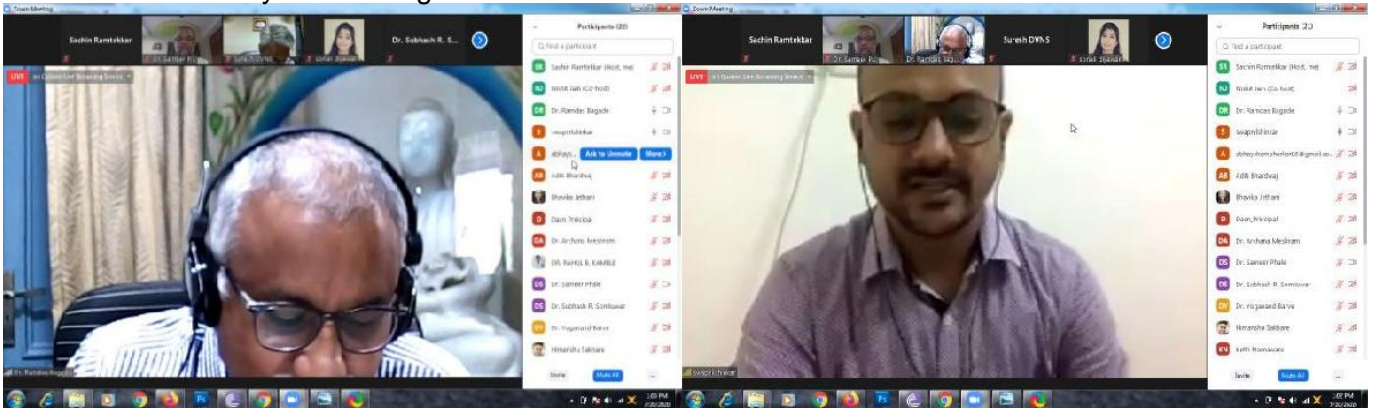


"DATA & LIFE SCIENCES IN VIEW OF STATISTICS"

MR. SAHIN GURNULE

STATISTICIAN, COMMUNITY MEDICINE. CHALMEDA ANANDRAO INSTITUTE OF MEDICAL SCIENCES, KARIMNAGAR, INDIA

Introduced by Dr R S Bagade





Speaker 05

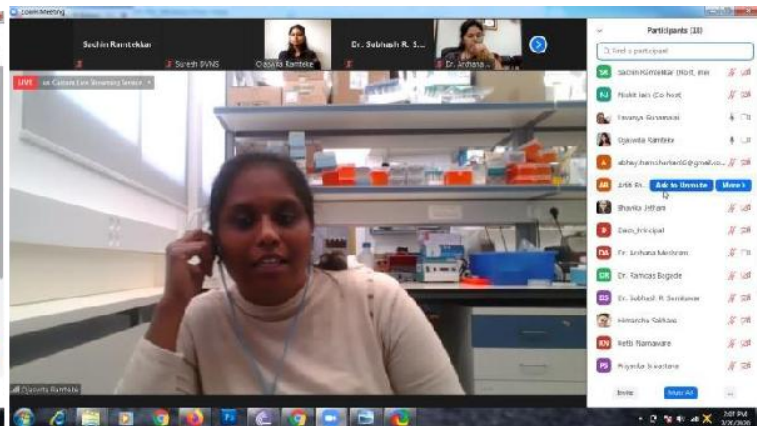
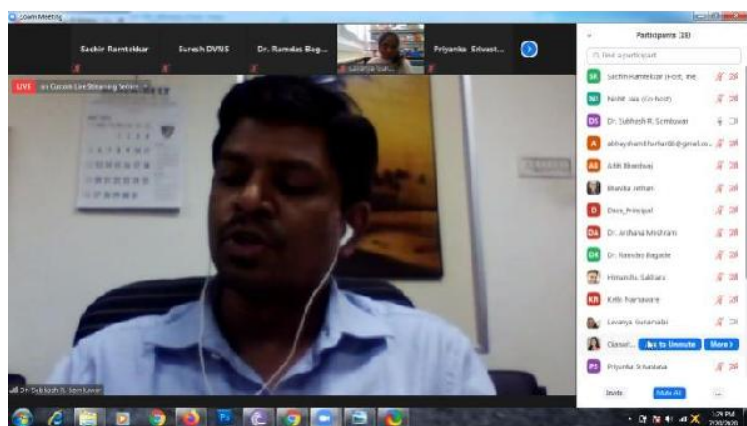


"MULTI-OMICS IN SUSTAINABLE AGRICULTURE..."

DR LAVANYA GUNAMALAI

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

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



Transcriptomics – study of sets of RNA molecules (transcriptomes)

Study of the expression level of (m)RNAs - microarrays

Sources of Transcriptomics

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

Alfymetrix, Agilent, Illumina, Fluidigm

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

Cartoon illustrating single omics approach and multi-omics approach.

Single Omics: A single elephant with one leg.

Multi Omics: Multiple elephants with multiple legs.

Top chat:

- pratiksharma: Feedback link is not working
- pratiksharma: what is the effect of potassium on leafroll?
- pratiksharma: integration can affect the quality too
- pratiksharma: what is the effect of potassium in leafroll?
- pratiksharma: what is the effect of potassium in leafroll?

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 due to lacking sanitation and refrigeration.

Chilling effect

Phytopathogenic fungi

Cold storage

Alleviate decay following chilling injury

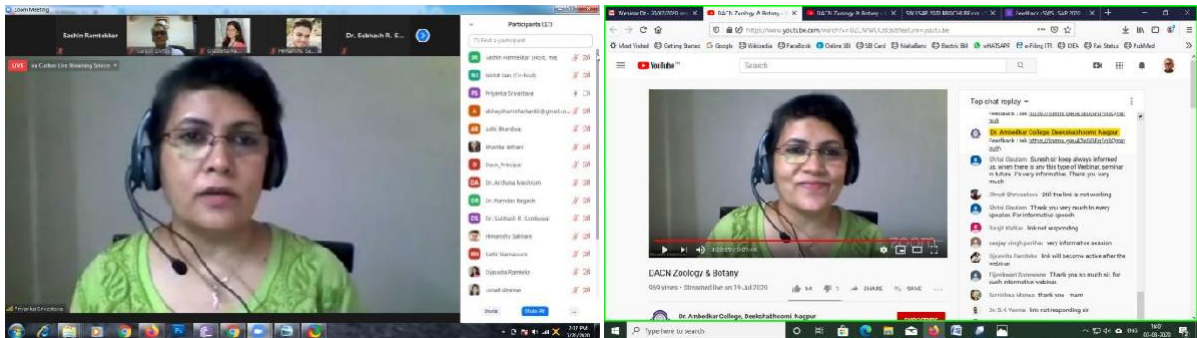
Biological decay



Rapporteur



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



Questions & Answers Rounds...

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



Ms Sonali Diyewar, Ms Bhavika Jethani, Ms Ojaswita Ramteke, Mr Himanshu Sakhare, Mr Tarun Patil collected the questions from the YouTube chat box and put before the respective speakers in the Q&A section for the discussion on behalf of the student participants.

Few of the YouTube chat box screenshots displaying the questions they picked up for the round of student interaction session were pasted ahead..



Dr. Ambedkar College, Deekshabhoomi, Nagpur

Department of Botany

Activities 2020-2021

Zoom meeting interface showing a slide titled "Lesser known opportunities in Biological Sciences". The slide includes a diagram of biological pathways and text: "Nothing in Biology Makes Sense Except in the Light of Evolution" and "Theodosius Dobzhansky".

Zoom live chat interface with messages from Shital Gautam, Mayuri Kadwe, and Abhshy Khan. A welcome message is also visible: "Welcome to live chat! Remember to guard your privacy and abide by our Community Guidelines."

Zoom live chat interface with messages from Abhay Khan, Prachi Ralkwar, and Sunita Sahoo. A welcome message is also visible: "Welcome to live chat! Remember to guard your privacy and abide by our Community Guidelines."

Zoom live chat interface with messages from Abhay Khan, Mayuri Kadwe, and Shital Gautam. A welcome message is also visible: "Welcome to live chat! Remember to guard your privacy and abide by our Community Guidelines."

Zoom meeting interface showing a slide titled "What is Bio-Statistics?". The slide includes a diagram of statistical applications and text: "Application of statistics for understanding biological systems or linkage of genes" and "The branch of statistics that deals with data relating to living organisms".

Zoom live chat interface with messages from Nyagarajan, Saloni Singh, and Ranjit Katkar. A welcome message is also visible: "Welcome to live chat! Remember to guard your privacy and abide by our community guidelines."

Zoom meeting interface showing a slide titled "What is Bio-Statistics?". The slide includes a diagram of statistical applications and text: "Application of statistics for understanding biological systems or linkage of genes" and "The branch of statistics that deals with data relating to living organisms".

Zoom live chat interface with messages from Akash Dubey, Atanu Nanda, and Sonu. A welcome message is also visible: "Welcome to live chat! Remember to guard your privacy and abide by our Community Guidelines."

Zoom meeting interface showing a slide titled "Genes for metabolic pathways or regulatory networks for metabolic agriculture". The slide includes a diagram of metabolic pathways and text: "Biomarkers for phenotype prediction", "Environmental stressors of quality", and "Novel Pathways".

Zoom live chat interface with messages from Prabal Sonanki, Akash Dubey, and Srijan Skills Academy. A welcome message is also visible: "Welcome to live chat! Remember to guard your privacy and abide by our Community Guidelines."

Zoom meeting interface showing a slide titled "Challenges in Integrated Omics". The slide includes a diagram of omics integration and text: "Data issues", "Integration issues", and "Experimental Challenges".

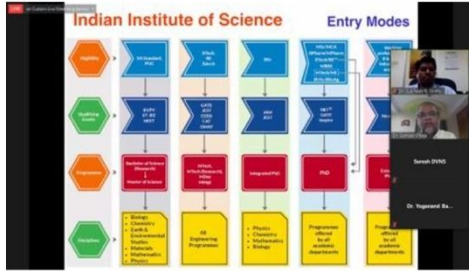
Zoom live chat interface with messages from Neha Diyewar, Radhakisan Tagad, and Akash Dubey. A welcome message is also visible: "Welcome to live chat! Remember to guard your privacy and abide by our Community Guidelines."

Zoom meeting interface showing a slide titled "Prepare your own Opportunity Canvas". The slide includes a diagram of an opportunity canvas and text: "Identify Career", "Focus", and "Opportunity Canvas".

Zoom live chat interface with messages from Mahesh Patel, Akash Dubey, and Ranjit Katkar. A welcome message is also visible: "Welcome to live chat! Remember to guard your privacy and abide by our Community Guidelines."

Zoom meeting interface showing a slide titled "JOINT ADMISSION TEST FOR M.Sc. 2020". The slide includes a table of exam details and text: "JAM 2020", "Joint Admission Test for M.Sc. 2020", and "Exam Details".

Zoom live chat interface with messages from Abhay Khan, Dr. S.K Verma, and Shital Gautam. A welcome message is also visible: "Welcome to live chat! Remember to guard your privacy and abide by our Community Guidelines."



JOINT ADMISSION TEST FOR M.Sc. 2020

JAM 2020

Admission to
M.Sc. (TWO YEARS), JOINT M.Sc.-Ph.D., M.Sc.-Ph.D. DUAL DEGREE,
AND OTHER POST-BACHELOR DEGREE PROGRAMMES

INDIAN INSTITUTES OF TECHNOLOGY
DELHI • BHUBANESHWAR • BOMBAY • CHENNAI • COIMBATORE • GANDHINAGAR • GUWAHATI • HYDERABAD
KANPUR • Kharagpur • Madras • Mangalore • Palakkad • Patna
Pune • Roorkee • Thiruvananthapuram • Varanasi

Joint Entrance Screening Test JEST 2020

Ph D in Neuroscience at NBRC
MSc (Physics/Mathematics), BE/BTech/MCA in Computer Science

National Brain Research Centre (NBRC), Manesar
Molecular, Computational and Systems Neuroscience. Sensory and motor systems, learning and memory, language and speech processing, functional neuroimaging: EEG, Magnetoencephalography (MEG), functional magnetic resonance imaging (fMRI), Magnetic resonance spectroscopy (MRS), stem cells, developmental neurobiology, neurogenetics, neurodegenerative and neurodevelopmental disorders, cancer signaling and glial tumour biology.

PhD in Computational Biology at IMSc
MSc/METech/MCA in engineering or science discipline, with good mathematical skills and strong interests in biological problems.

The Institute of Mathematical Sciences (IMSc), Chennai
Theoretical Physics, Theoretical Computer Science and Computational Biology



ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS)

B.Sc. Courses For AIIMS Delhi:

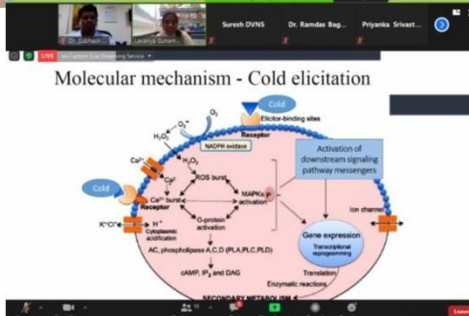
1. Bachelor of Optometry	(3+1) 4 years
2. B.Sc. (H) Medical Technology in Radiography	3 years
3. B.Sc. in Dental Operating Room Assistant	3 + 1/2 (Years)
4. B.Sc. in Dental Hygiene	3 + 1/2 (Years)
5. B.Sc. in Operation Theatre Technology	3 + 1/2 (Years)
6. B.Sc. Nursing (Five Years)	5 (years)
7. B.Sc. (H) Nursing (4+1 ADMS)	4 (years)

B.Sc. courses For AIIMS Bhubaneswar:

8. Medical Laboratory Technology (MLT)	3 (Years)
9. Operation Theatre & Anaesthesiology (OTAT)	3 (Years)
10. Medical Technology in Radiography	3 (Years)
11. Medical Technology in Radiotherapy (M.T.R.T)	3 (Years)

מנהל המחקר והקשר | מנהל המחקר והקשר

AGRICULTURAL RESEARCH ORGANIZATION (ARO) | VOLCANI CENTER



Challenges in Integrated Omics

- Data Issues:** Workflow/optimization, FAIR principles, Data availability & sharing, Visualization (pathways/networks)
- Integration Issues:** Data scaling & reduction, Statistical tools, False positives, Unreliable, >3 or more omics data types, Focused or biological connection measures, Ontology & enrichment analysis
- Biological Knowledge:** Interpretation of results, Biomarker discovery, Validation of targets, Database for usability, Phenotype prediction
- Experimental Challenges:** Sample preservation, Study design, Reproducibility, Noisy data assumption, Statistical power

Great things never came from comfort zones.

Work Hard in Silence, let your Success be your Noise.

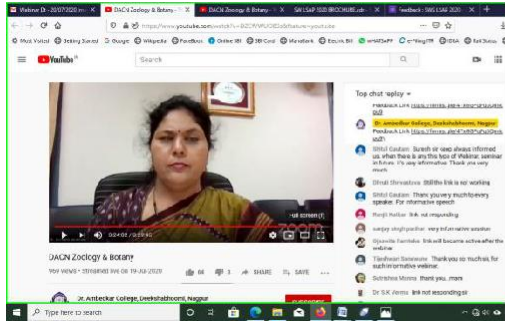
Coming together is a beginning. Keeping together is progress. Working together is Success.



Dr. Ambedkar College, Deekshabhoomi, Nagpur
Department of Botany
Activities 2020-2021

Seminar Conclusion

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



the committee...



patron

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



co-patron

Dr S S Fulzele, secretary
PPDBASmarak Samiti



convener

Dr R S Bagade
head, zoology, DACN



organizing secretary

Dr DVNS Suresh
zoology, DACN



chairperson

Dr Mrs P M Siriya,
principal, DACN



co-convener

Dr S R Somkuwar
head, botany, DACN



joint secretary

Dr A A Meshram
zoology, DACN

organizing committee members

Dr. Rahul 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



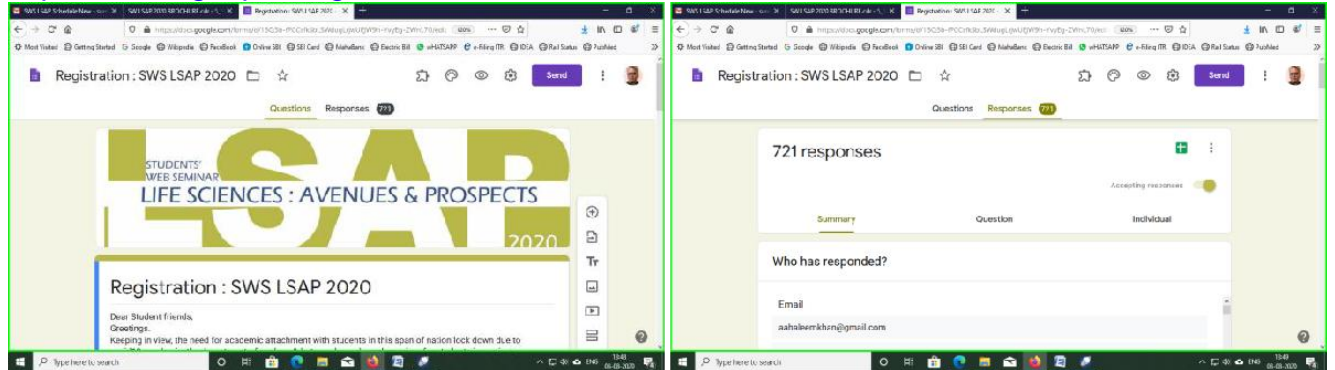
Dr. Ambedkar College, Deekshabhoomi, Nagpur

Department of Botany
Activities 2020-2021

the links...

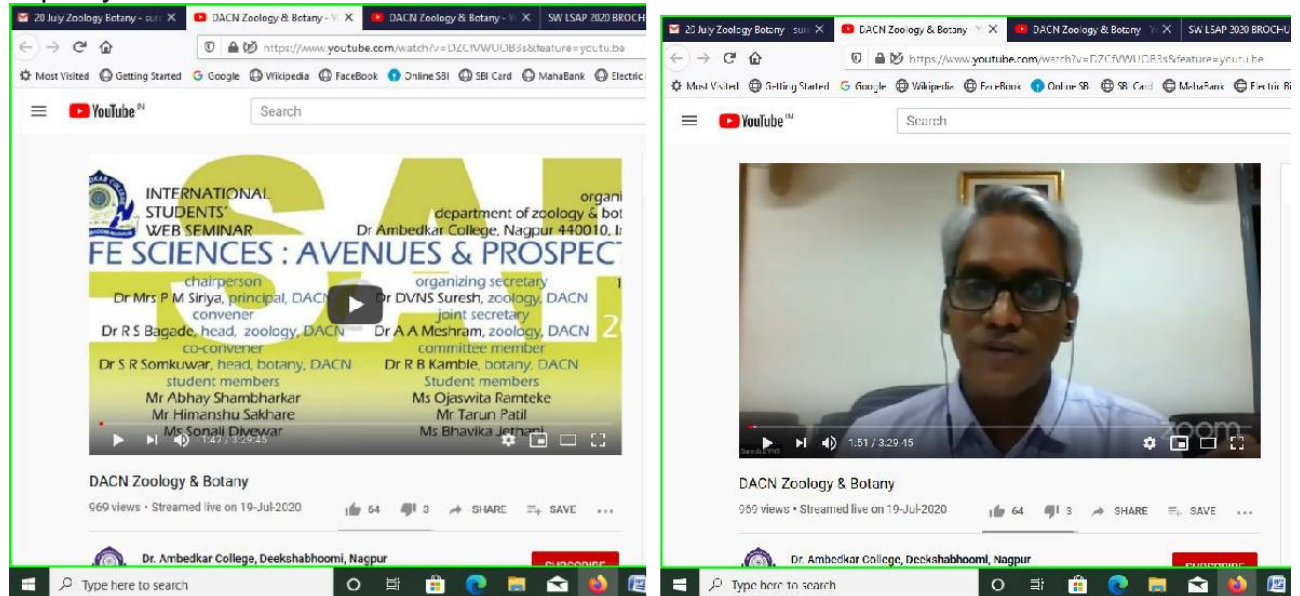
Registration

<https://forms.gle/pwiDkgf8NunkHBVK8>



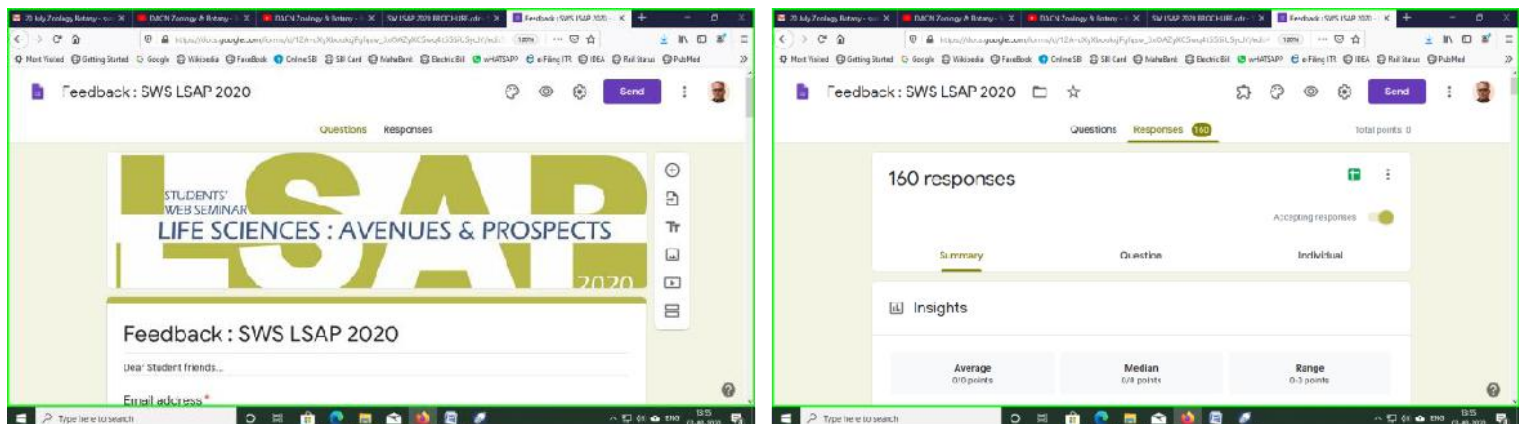
live stream

<https://youtu.be/dzcfvuwob3s>



Feedback

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





Dr. Ambedkar College, Deekshabhoomi, Nagpur

Department of Botany
Activities 2020-2021

Seminar 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 themselves more industry ready.
(Courtesy : Dr Yoganand Barve, Bangalore)

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

To make aware of the different lesser known opportunities after graduation. (Courtesy : Dr S ameer Phale, Nagpur)

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

To learn about the different research options apart from the existing ones. (Courtesy : Dr Lavanaya Gunamalai, Israel)

To know about the contribution of Times of India towards Indian education scenario. (Courtesy : Ms Priyanka Srivastava, Editor Education Times, TOI)

Participants' Feedback

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