



चौधरी महादेव प्रसाद महाविद्यालय

C. M. P. DEGREE COLLEGE

(A Constituent P.G. College, University of Allahabad)
Under the Strengthening Component of DBT Star College Scheme
Website: www.cmpcollege.ac.in



Zoom Meeting
Recording...

Participants (222)

Find a participant

AP Astha pandey
AS Astha Singh
AP Avinash Pratap Singh
AC Ayushi Chaudhary
AS Ayushi Singh

Chat

From Pushpendra 008 to Everyone:
Ma'am voice nhi a rahe h

From Neeja Kapoor to Everyone:
Mohini Yadav kindly mute yourself

From Me to Everyone:
kindly mute everyone

From Khushboo Singh to Everyone:
sarita mam plz mute all students

To: Everyone
Type message here...

Zoom Meeting
You are viewing Spoorthy N Babu's screen
View Options

Recording Paused

TOOLS FOR rDNA : TRANSFORMATION

- But this type of selection of recombinants is a difficult procedure because it needs simultaneous plating on 2 plates having different antibiotics.
- So, alternative **selectable markers** have developed based on their ability to produce colour in presence of a **chromogenic substrate**.

Participants: 194
Chat
Share Screen
Resume/Stop Recording
Reactions
Leave

10:52 AM 11/26/2020



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Zoom Meeting

Participants (158)

Find a participant

- AK Arun Kumar
- AF Arzumand fatima
- Ask Me Info
- Astha Pandey
- AS Astha Singh
- AS Astha srivastava
- AP Avinash Pratap Singh
- AC Ayushi Chaudhary
- AS Ayushi Singh
- AS Ayushi Singh
- BD Bhavana Devi
- BS Bhavana singh
- BS Bhawana Singh
- DV deepanshi verma

10:18 AM 11/27/2020

Zoom Meeting

Participants (174)

Find a participant

- PV PRATISTHA VISHWAKARMA
- PK Pratyaksha kumari
- PK Praveen Kumar
- PM Preeti Maurya
- PM Preeti maurya
- P PREETI ... Ask to Unmute More >
- PY Preeti Yadav
- PrinCe vErMa
- PB Priti Bhartiya
- P Priya
- PK Priya kushwaha
- PY Priya Yadav
- P Priyanka
- PC Priyanka Chaurasiya

3:01 PM 11/28/2020



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Interdisciplinary Seven Days e-Workshop on “Bioinformatics and Computational Biology”
Jointly Organized by Department of Botany, Zoology and Chemistry, under the aegis of DBT Star College Scheme; Platform: ZOOM

Total Participants: 196 students and 20 Faculty members

Dated: 9th Dec-15th Dec 2020

INTER DISCIPLINARY
Seven Days E-WORKSHOP
on
Bioinformatics and Computational Biology
Introduction and Approaches
(09th – 15th December 2020)
Time: 2:00 PM-5:00 PM

Jointly Organized by
Departments of
Botany, Zoology & Chemistry
Chaudhary Mahadeo Prasad Degree College
University of Allahabad, Prayagraj
(Under the strengthening component of DBT Star College Scheme)
Organized Online - Zoom platform

Target Group: Professors, Teachers & Research Scholars
No Registration fee

Program Coordinator
Dr. Sarita Srivastava Associate Professor
(Coordinator - DBT Star College, Project)
Botany Department, CMP College
University of Allahabad, Prayagraj
Ph: 9335530055
Email: cmpdbtstar03@gmail.com

CHAUDHARY MAHADEO PRASAD DEGREE COLLEGE
A Constituent PG College of University of Allahabad - Prayagraj-211001 U.P. INDIA

DBT STAR COLLEGE
Inter-disciplinary Faculty Development Program
Seven days E-Workshop on
“Bioinformatics and Computational Biology: Introduction and Approaches”
9th December 2020 -15th December 2020
“Under the strengthening component of DBT Star College Project”
Inaugural Program: 9th December 2020; 2:00 PM; Zoom Platform

CHAIRPERSON
Prof. U.C. Lavania
FNA, FNASC, “INSA Senior Scientist”
Department of Botany University of Lucknow
Former Chief Scientist, CIMAP-CSIR Lucknow

Patron
Dr. Brijesh Kumar
Principal

Chief Patron
Ch. Jitendra Nath Singh
Chairman Governing body
President, KP Trust Prayagraj

KEY NOTE SPEAKER
Dr. Mehar Hasan Asif
Principal Scientist
Molecular Biology and Biotechnology Division
CSIR-National Botanical Research Institute-Lucknow

JOINTLY ORGANISED BY
DEPARTMENTS OF BOTANY, ZOOLOGY & CHEMISTRY
CHAUDHARY MAHADEO PRASAD DEGREE COLLEGE, PRAYAGRAJ

Zoom Meeting

You are viewing Mehar Asif's screen

View Options

Recording...

Bioinformatics is a field of study that uses computation to extract knowledge from biological data.

It includes the collection, storage, retrieval, manipulation and modelling of data for analysis, visualization or prediction through the development of algorithms and software.

Unmute Start Video Security Participants 139 Chat Share Screen Pause/Stop Recording Reactions End

Type here to search

2:27 PM 12/9/2020



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Zoom Meeting | You are viewing Dr. MADHULIKA SINGH's screen | View Options

Recording... | Mute | Start Video | Security | Participants (145) | Chat (16) | Share Screen | Pause/Stop Recording | Reactions | End

Type here to search

10:23 AM 12/1/2020

WHAT IS BIOINFORMATICS ??

The field of science in which **biology, computer science and information technology** merge into a single discipline

Bioinformatics is the use of computers for the acquisition, management, and analysis of biological information. It incorporates elements of molecular biology, computational biology, database computing and the Internet.

Zoom Meeting | You are viewing Dr. MADHULIKA SINGH's screen | View Options

Recording Paused | Unmute | Start Video | Security | Participants (113) | Chat (37) | Share Screen | Resume/Stop Recording | Reactions | End

Type here to search

1:24 PM 12/1/2020

ncbi.nlm.nih.gov/ppg/AAA40590.1

RefSeq Selected Product: XP_004627141.1, 109 amino acids

Taxonomic Group: rodents

Assembly Accessions: 1

Protein Accessions: 8

CDS Regions: 3

Total Rows: 9

Source	CDS Region in Nucleotide	Protein	Name	Organism	Strain	Assembly
INSDC	M57671.1 42-371 (+)	AAA40590.1	Click to order ascending in order	Octodon degus		
RefSeq	NW_004524594.1 16542689: 16543677 (-)	XP_004627141.1	insulin	Octodon degus		GCF_000260255.1
RefSeq	XM_004627084.1 36-365 (+)	XP_004627141.1	insulin	Octodon degus		
Swiss-Prot	N/A	P17715.2	Insulin	Octodon degus		
PAT	N/A	ACV02672.1	Sequence 36 from patient US 7547821	Unknown		
PAT	N/A	AGA37943.1	Sequence 137 from patient US 8318154	Unknown		
PAT	N/A	AJQ33185.1	Sequence 137 from patient US 8568713	Unknown		
PAT	N/A	AME30049.1	Sequence 137 from patient US 8034523	Unknown		
PAT	N/A	AYE81915.1	Sequence 137 from patient US 9993529	Unknown		

seqdump.txt | Show all

Participants (113)

Q Find a participant

- Coordinator CMP DB... (Host, me)
- DM Dr. MADHULIKA SINGH
- SK Sarjan Kumar
- AK Aditya Kumar
- AP Aditya Pratap Singh
- AK Alfiya khan
- Anchal yadav
- AS Aniruddh Sethi
- AY Anita Yadav
- AK Anjali kashyap
- AS Anjali saroj
- AB Ankita Bind
- AS Annu saroj
- Anuj pandey (मोहन)

Invite | Mute All



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Zoom Meeting | You are viewing Dr. Uma Shankar's screen | View Options

Recording... | Unmute | Start Video | Security | Participants (76) | Chat (22) | Share Screen | Pause/Stop Recording | Reactions | End

Origin of DNA Barcoding

Paul Hebert -coined the term DNA barcode

In 2003, Prof. **Paul Hebert** from the University of Guelph, Canada proposed the use of DNA barcodes.



He proposed that a short DNA sequence from a gene found in all animals can be used to identify species because in each species the sequence varies slightly.

Coordinator C... | Dr. Uma Shankar | Sujeet Kumar Si... | Dr. Uma Rani A...

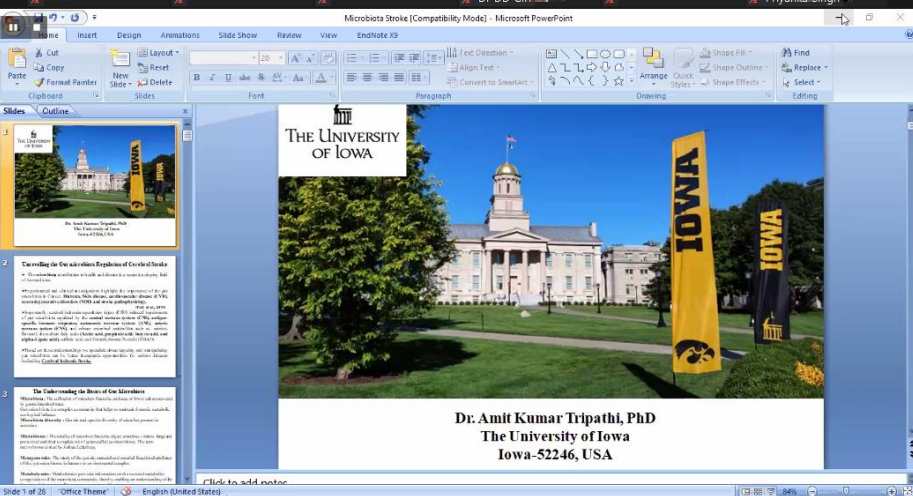
Type here to search | 100% | 2:25 PM 12/10/2020

Zoom Meeting | You are viewing Amit's screen | View Options

Recording... | Unmute | Start Video | Security | Participants (62) | Chat (5) | Share Screen | Pause/Stop Recording | Reactions | End

Rahtul Soni | Priyanka Dwivedi | shimpi singh | Dr DD Giri | ANITA YADAV | Priyanka Singh

Microbiota Strain (Compatibility Mode) - Microsoft PowerPoint



Slide 7 of 26 | Office Theme | English (United States) | 97% | 2:58 PM 12/15/2020



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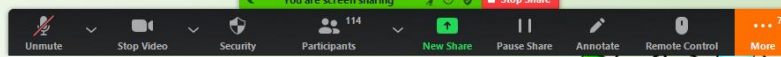
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Words by the Chief Guest



Prof Sangeeta Srivastava
Hon'ble Vice Chancellor



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A Constituent PG College of University of Allahabad - Prayagraj-211001 U.P INDIA

DBT STAR COLLEGE
Inter-disciplinary Faculty Development Program
Seven days E-Workshop on

"Bioinformatics and Computational Biology: Introduction and Approaches"
9th December 2020 -15th December 2020
"Under the strengthening component of DBT Star College Project"

VALEDICTORY FUNCTION
15th December 2020; 4:00 PM; Zoom Platform
Join Zoom Meeting: Meeting ID: 674 439 6668 Passcode: 5Wcuel

Patron
Dr. Brijesh Kumar
Principal

Chief Guest
Prof. Sangeeta Srivastava
Hon'ble Vice Chancellor
University of Allahabad

Guest Of Honor
Ch. Raghendra Nath Singh
Vice President, KP Trust
Prayagraj

PROGRAM COORDINATOR
Dr. Sarita Srivastava
Coordinator - DBT Star College Project
Associate Professor, Department of Botany
Chaudhary Mahadeo Prasad Degree College
University of Allahabad, Prayagraj
Ph: 9335530055 Email: cmpdbtstar03@gmail.com

JOINTLY ORGANISED BY
DEPARTMENTS OF BOTANY, ZOOLOGY & CHEMISTRY
CHAUDHARY MAHADEO PRASAD DEGREE COLLEGE, PRAYAGRAJ



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Botany Department of CMP Degree College, Prayagraj organized one day e-workshop on skill development, Basics of tissue culture and entrepreneurship “an exposure of students for science and entrepreneurship” under the aegis of DBT Star College Scheme, on 29th January 2022, through ZOOM Platform.

Total Participants: 150

Chaudhary Mahadeo Prasad College
(A Constituent P. G. College of University of Allahabad)

Under the Aegis of
DBT STAR COLLEGE SCHEME

Organizing
One Day e-Workshop
on
SKILL DEVELOPMENT
BASICS OF TISSUE CULTURE AND ENTREPRENEURSHIP
"AN EXPOSURE OF STUDENTS FOR SCIENCE AND ENTREPRENEURSHIP"

29th Jan.
2022

Zoom
Platform

e-Certificates
for
Participants

Instructor:
Dr. Saurabh Pandey
Co-founder and Chief Scientific Officer (CSO) at Databaum GmbH,
Hamburg (Germany) Co-founder; Research & Business Development Leader
at Magstik Pvt. Ltd., New Delhi (India) Visiting Scientist,
University of Freiburg, Freiburg (Germany)

Organised by:
Departments of Botany
Chaudhary Mahadeo Prasad Degree College, Prayagraj

Registration Link: <https://forms.gle/iV6ub4b5HEJrRbLu7>
Please Visit CMP College website for details : <https://cmpcollege.ac.in>

Time- 10 AM (IST)
Workshop link-
<https://us02web.zoom.us/j/88931896999?pwd=RXBTa21iVkp2VTJRT0VrdEpZc093UT09>



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Invited Lecture

Botany Department of CMP Degree College, Prayagraj organized invited lecture on the topic “**Botanical Nomenclature**” under the aegis of DBT Star College Scheme, on 21st March 2022.

Guest Speaker: Prof Milind M Sardesai, Department of Botany, Pune University, Pune

Venue: Botany Lecture Theatre, Department of Botany, CMP Degree College, Prayagraj

Total Participants: 80





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Report on invited lecture “Botanical Nomenclature”

Botany Department of CMP Degree College, Prayagraj organized invited lecture on ‘Botanical Nomenclature’ under the aegis of DBT Star College Scheme, on 23rd March 2022.

About more than 100 Undergraduate students and Faculty members of different departments were participated. The lecture was delivered by guest speaker, an eminent scholar Dr. Milind M Sardesai, Department of Botany, Savitribai Phule Pune University, Pune.

Dr. Amita Pandey, Convener Botany Department, CMP Degree College welcome the guests and speaker Dr. Milind M Sardesai, Department of Botany, Savitribai Phule Pune University, Pune. The program was compered by Dr. Prateek Srivastava, Assistant Professor, Botany Department, CMP College.

Dr. Sardesai lecture was based on basics on taxonomy especially on nomenclature. He told that the name of any living organism was must in specific way. He covered all the aspects of nomenclature and also mentioned each and every rule of botanical nomenclature. His explanation was very simple and student centric. The Saredesai lecture must be benefitted our B.Sc. students and enhancing the knowledge of students. Question and answer session was also conducted in the last part of session

In the end of lecture Dr. Deepak Kumar Gond, Assistant Professor, Botany Department, CMP College extend vote of thanks.

Report on one day e-seminar on World Environment Day

Botany Department of CMP Degree College, Prayagraj organized one day e-seminar on World Environment Day under the aegis of DBT Star College Scheme, on 5th June 2022.

About more than 100 Undergraduate students of different colleges of UP were joined through Google meet online platform. Faculty members of different departments were also participated.

The e-seminar was inaugurated by our college Principal, Prof. Ajay Prakash khare with their inaugural speech. Dr. Amita Pandey, Convener Botany Department, CMP Degree College welcome the guests and speaker Dr. Rajlakshmi, Scientist D, Agrometeorology, Magstik Pvt.



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Ltd. The session was chaired by Dr. Sanjay Singh, FRCER, Prayagraj. Whole program was compeered by Dr. Alok Kumar Singh Assistant Professor, Botany Department, CMP College Dr. Rajlakshmi lecture was based on Agroclimatic condition of India and compare with the world. She nicely told about all the aspects of agroclimatic conditions. Her lecture was according to undergraduate students. The students will be benefitted through this lecture. Dr. Rajlakshmi also talk about today environmental issues and aware the students regarding environmental problems. She also told about environment protection. She discussed the students on differential issues. Lastly question and answer session were also conducted. In the end of e-seminar Dr. Deepak Kumar Gond, Assistant Professor, Botany Department, CMP College extend vote of thanks.

Chaudhary Mahadeo Prasad College
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Under the Aegis of
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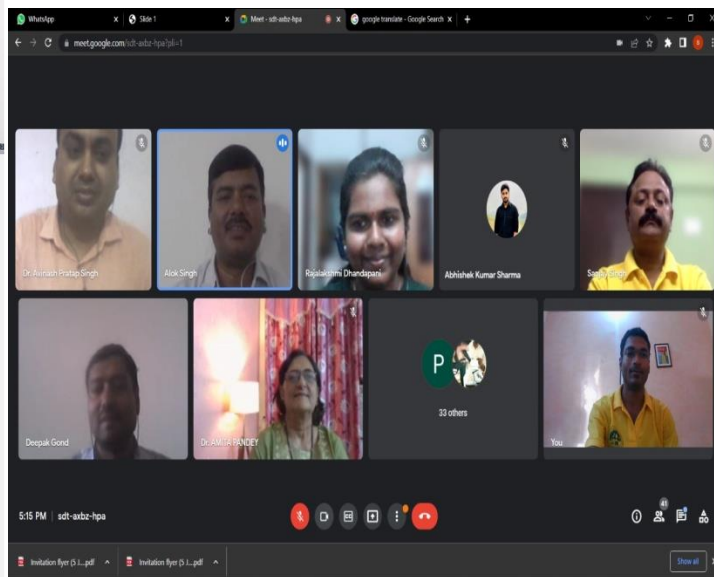
Organizing
One Day e-Seminar
on

WORLD ENVIRONMENT DAY
Sunday 5 June 2022
Time: 4 PM Onward (Google Meet)

Speaker
Dr. Rajalakshmi- D
Scientist- (Agrometeorology)
Magstik Pvt. Ltd.

Chairperson
Dr. Sanjay Singh
Director
FRCER Prayagraj

Organised by:
Department of Botany
Chaudhary Mahadeo Prasad Degree College, Prayagraj
Seminar link
Google Meet: meet.google.com/sdt-axbz-hpa





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Invited Lecture

Botany Department of CMP Degree College, Prayagraj organized invited talk on the topic “**Importance of Nutrition in our Daily Life**” under the aegis of DBT Star College Scheme, on 29th Sep 2022.

Guest Speaker: Dr. Zomi Singh, Consultant Nutritionist, Healthyfy Me Indian Digital Health and Wellness, Bangalore

Venue: Botany Lecture Theatre, Department of Botany, CMP Degree College, Prayagraj

Total Participants: 65



Invited Lecture

Botany Department of CMP Degree College, Prayagraj organized invited talk on the topic “**Genetic Manipulation to Achieve HIV Cure**” under the aegis of DBT Star College Scheme, on 10th August 2023.

Guest Speaker: Dr. Ravi Tandon, Assistant Professor, School of Biotechnology, JNU, New Delhi

Venue: Botany Lecture Theatre, Department of Botany, CMP Degree College, Prayagraj

Total Participants: 72



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CVW6+F4F, George Town,
Prayagraj, Uttar Pradesh
211002, India
overcast
clouds
30.0 °C
10 Aug 2023 01:12 PM

75th Azadi Ka Amrit Mahotsav
Department of Botany
G20
INSTITUTIONS INNOVATION COUNCIL

CHAUDHARY MAHADEV PRASAD DEGREE COLLEGE
A CONSTITUENT PG COLLEGE OF UNIVERSITY OF ALLAHABAD, PRAYAGRAJ
Under the Aegis of DBT Star College Scheme and IIC

Organizing
INVITED TALK
on
GENETIC MANIPULATION TO ACHIEVE HIV CURE
By
Dr. Ravi Tandon
Assistant Professor
School of Biotechnology
Jawaharlal Nehru University, New Delhi

on
Thursday, 10th August 2023
Time: 1:00 P.M.
Venue:
Botany Lecture Theatre

Chief Patron: Ch. Jitendra Nath Singh, Chairman Governing Body, CMP Degree College, Prayagraj
Patron: Prof. Ajay Prakash Khare, Principal, CMP Degree College, Prayagraj
Departmental Convener: Dr. Amita Pandey
Event Coordinator: Dr. Kirti Raje Singh, Assistant Professor

Organized by
**Department of Botany
CMP Degree College, Prayagraj**

REPORT ON THREE DAYS HANDS-ON WORKSHOP ON "DNA BARCODING: A CHALLENGE TO LINNAEUS CLASSIFICATION"

A Three days hands-on workshop on "DNA BARCODING: A CHALLENGE TO LINNAEUS CLASSIFICATION" was jointly organized by the Department of Botany and Zoology, under the aegis of DBT star college scheme (16 to 18 August, 2023). Total 25 Faculty members and about 60 students were participated. All participants were actively



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participated and learnt about DNA Barcoding Technique. This training program was conducted by Cytogene and team, Lucknow.





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REPORT ON THREE DAYS HANDS-ON WORKSHOP ON "FOOD SAFETY AND NUTRITIONAL SECURITY, ANALYSIS AND QUALITY CONTROL"

A Three days hands-on workshop on "Food safety and nutritional security, analysis and quality control" was organised by the Department of Chemistry, Botany and Zoology, under the aegis of DBT star college scheme (17 to 19 August, 2023). The President and Chief Guest of the workshop was an Eminent Professor (Ex Head, Department of Chemistry) Dr. Jagdamba Singh. The Training Officer was Dr. Sujit Kumar Singh and Key- Notespeaker was Dr. Shankar Suvan Singh and their team were welcomed by Dr. Babita Agarwal, Convener, Department of Chemistry. An introductory speech about the DBT Star scheme was given by Dr. Sarita Srivastava, DBT Coordinator. Prof.(Dr.) Jagdamba Singh spoke about the food and its importance. He discussed about the value of food for human beings as it provides two basic needs: nutrients and energy. As a source of protein, rice should be considered as the best one. He encouraged students and audiences to enjoy life with home cooked food with family. In the end he also stated that about 70% diseases are originated by use of impure water and we should be careful for our health.



Avinash

Departmental Coordinator

Dr. Avinash Pratap Singh

Amita
CONVENER
BOTANY DEPARTMENT
C.M.P. College, Allahabad

Convener

Dr. Amita Pandey

Sarita Srivastava
Dr. Sarita Srivastava
Associate Professor
Coordinator DBT Star College
C.M.P. College
University of Allahabad

Coordinator, DBT Star College

Dr. Sarita Srivastava