



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

Outreach activity for Farmers in Deioria in an MOUS activity with Magstik

Department of Botany of CMP Degree College has entered an MOU with Magstik India pvt Ltd on 1st Aug 2019.

The major points of agreement are:

1. Department of Botany would provide consultancy services to Magstik in agriculture and help in dealing with the farmers by field visit.
2. Magstik would also provide financial assistance to the research scholars to provide expertise in field.

Magstik India in collaboration with CCMB is trying to cultivate a Low glycemic index rice Variety Sona Masuri Sambha variety. The consultancy for growing the rice variety was provided by Faculty of Botany Department and the Research scholars were helping in seed distribution and seed treatment. Magstik India also paid monthly consultancy fee to Mr Suresh Kumar @Rs 5000/- pm for a period of six months i.e. June 2022-December 2022.

Activity I July 2022

Outreach Program: to provide Consultancy to the farmers in Deoria District to cultivate improved Rice Variety of Sona Masuri Sambha Variety

<https://fb.watch/nmj1mzOCBR/?mibextid=ZdBDRK>



Magstik private limited

14 May 2022 · 🌐

We welcome Suresh Kumar to work on the collaborative project. His scientific and field skills will be very hel... See more



Magstik private limited

23 May 2022 · 🌐

We welcome Ms. Utkarsha Gupta to work on the collaborative project. Her expertise in plant sciences and creative skills will be very helpful to translate science into fields. #bioremediation #planttissueculture





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Mr Suresh Kumar, JRF Department of Botany addressing the farmers at Deoria providing consultancy for benefits of Low glycemc index rice variety

https://m.facebook.com/story.php?story_fbid=pfbid02UeYKxL34s66APczeCVvKWWRjJa2fpEa9QtKx3Zd86CaWLnad4PPHKeQh1k4RnkzI&id=104962787750344&mibextid=Nif5oz





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Distribution of Rice Seeds to the farmers



Treatment of Rice seeds with fungicides to protect them from damage Providing rice seeds after Seed treatment with organic formulation to grow disease free variety on pilot scale



cultivation under trial in Deoria



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Field trials of Rice varieties grown in fields of Deoria under the supervision of Botany Department of CMP Degree College and Magstik India pvt LTD



https://m.facebook.com/story.php?story_fbid=563041071942511&substory_index=604633397783278&id=104962787750344&mibextid=Nif5oz

Media Coverage of Outreach News in News papers of Deoria

सम्भा धान का बीज निशुल्क मिलने से किसानों में खुशी की लहर

बरहज / देवरिया (राष्ट्र की परम्परा)। विकासशील किसान कृषि प्रोड्यूसर कंपनी एफपीओ के कार्यालय पर मैजेस्टिक एवं टाटा इंस्टिट्यूट ऑफ जेनेटिक सोसाइटी के सहयोग से ग्राम सभा मिर्जापुर एवं महुईकुंवर एवं मोहाव के किसानों को ट्रायल के रूप में 30 एकड़ खेत के लिए 3 कुंतल सांभा धान का बीज निशुल्क कंपनी के डायरेक्टर ज्ञानेश्वर सिंह एवं सुरेश कुमार शोध वैज्ञानिक द्वारा क्षेत्र के किसानों में वितरित किया गया और सम्भा बीज पाकर किसानों के चेहरे खुशी से खिल उठे, शोध वैज्ञानिक सुरेश कुमार ने बताया कि इस बीज में नाम मात्र का शुगर पाया जाता है इसका चावल शुगर वाले व्यक्ति के लिए बहुत लाभकारी सिद्ध हुआ है।

किसानों में निशुल्क सांभा धान बीज वितरित

बरहज (एसएनबी)। विकासशील किसान प्रोड्यूसर कंपनी एफपीओ कार्यालय पर मैजेस्टिक एवं टाटा इंस्टिट्यूट के सहयोग से ग्राम मिर्जापुर, महुईकुंवर एवं मोहाव के किसानों को ट्रायल के रूप में 30 एकड़ खेत के लिए 3 कुंतल सांभा धान का बीज निशुल्क कंपनी के डायरेक्टर रामेश्वर सिंह, सुरेश कुमार शोध वैज्ञानिक द्वारा क्षेत्र के किसानों में वितरित किया गया। जिनमें नाम मात्र का शुगर पाया जाता है। इसका चावल शुगर वाले व्यक्ति के लिए बहुत ही लाभकारी सिद्ध हुआ है। उक्त बातें सुरेश कुमार ने कहीं। पीएम ने कहा कि किसान अधिक से अधिक अपने खेतों में वैज्ञानिक खाद का प्रयोग करें। सुरेश सिंह ने किसानों द्वारा उक्त उत्पादन को एमएलपी मूल्य से अधिक लाभ पर खरीदारी करने का अश्वासन दिया ताकि किसानों को आम दोगुना हो सके। निजय कुमार सिंह, राममिलन सिंह, अर्जुन जायसवाल, प्रमोद चट्टन, विनायक सिन्हा, रामनी राय, उदयप्रताप शर्मा, साहू प्रभुकांत, मुन्नालाल आदि मौजूद रहे।

प्रगतिशील किसानों का संवाद सम्मान कार्यक्रम 5 को

सलेमपुर (एसएनबी)। भाजपा किसान मोर्चा देवरिया द्वारा केन्द्र सरकार के 8 वर्ष पूरे होने पर अगामी 5 जून को सांख्यिक स्वच्छता और पौधरोपण कार्यक्रम का सलेमपुर विधानसभा के सुरिया नदीली और वायनपल्ली खेसदेव में किया गया है, जिसके तहत सलेमपुर विधानसभा के 100 प्रगतिशील किसानों से संवाद करके उनको सम्मानित किया जाएगा। सलेमपुर विधानसभा में आयोजित इस कार्यक्रम में उत्तर प्रदेश सरकार की वतीं निजय लक्ष्मी चौधरी के साथ स्वतंत्र भाजपा नेता कलाच स्वच्छता के साधन का पीछा लगाकर प्रगतिशील किसान भाईयों से संवाद करके उनको सम्मानित करेंगे। भाजपा किसान मोर्चा के इस कार्यक्रम को सफल बनाने के लिए निरंजन मोर्चा के रजनीकांत सिंह और सायप्रकाश सिंह को संयोजक बनाया गया है।



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Magstik private limited

26 Jun 2022 · 🌐



Empowering the **#farmer** is not providing them the resources, but working with them on the ground, so they can see, discuss and decide for themselves what is good and bad for their **#soil**, farmer health, **#environment**, and **#crop**. Farmer learned how to treat seeds with **#biostimulants** / **#beneficial** microorganisms. They can themselves see the effects by comparing them with the control/untreated plants grown in the next fields. **#magstik** in partnership with **#TIGS**, Bengaluru, and **#CMPDG**, Prayagraj to empower the farmers.



Magstik private limited

26 Jun 2022 · 🌐



Seeing is believing. **#biostimulants** treated **#seeds** for golden harvest. **#magstik** in partnership with **#TIGS**, Bengaluru, and **#CMPDG**, Prayagraj to educate and empower farmers on the ground.





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Activity II: Lecture
on Impact of
Climate Change on
the Agriculture by
Dr Rajalakshmi
Scientist D
Agrometeorology
Magstik India Pvt
Lts

14:35 91%

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Magstik private limited
4 Jun 2022

On the occasion of World Environment day (05.06.2022), join our lecture series to understand the impact of **#climate** and **#weather** on **#agriculture** presented by Dr. Rajalakshmi. D; Scientist (Agrometeorology), **#Magstik** Pvt. Ltd. in collaboration with C.M.P. degree college, Prayagraj. **#WorldEnvironmentDay**

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



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Activity III: Outreach program on Kisan Diwas on 23rd December 2022 in Deoria District



किसान दिवस किसानों की दोगुनी आय का लक्ष्य

भारत के पाँचवे प्रधानमंत्री के जन्मदिवस पर आयोजित कार्यक्रम

“ किसानों की दशा सुधरेगी तो देश सुधरेगा ”

23-12-2022

श्री चौधरी चरण सिंह



Tata Institute for
Genetics and Society



DeHaat
Seeds to Market



CSIR CCMB

भारत
ICAR

भाषाअनुसं
Institutions

TIGS

Tata Institute for
Genetics and Society

MAGSTIK

DeHaat
Seeds to Market

FPO

Academic

Agritech Startups

FPO

Academic

Magstik : 7521904278

https://m.facebook.com/story.php?story_fbid=pfbid02tLx4YuNkPvVccv25RmW3jtGELgAiYbNPHdKfgQ9iCJ12bTpsdJMNEi9herovxfhHI&id=100064054871027&mibextid=Nif5oz



Farmers day celebration on 24th December 2022 at Deoria with Director Magstik and Faculty from CMP Degree College Dr. Deepak Kumar Gond and Research Scholar Mr. Suresh Kumar



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Dr Deepak Kumar Gond addressing the Farmers in Deoria for cultivation of Low glycemic index rice variety developed in joint collaboration with CCMB, Magstik and CMP DEgre College





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Team of Magstik Dr Saurabh Pandey, Dr. Rakesh Mishra (former director CCMB, Hyderabad) and research scholars from CMP Degree College Mr Suresh Kumar and Mr Pushpendra Yadav along with DR Deepak Gond on the field visit to Deoria in December 2022



Media coverage in local newspapers of Deoria

शिदत से याद आए किसानों के मसीहा चौधरी चरण सिंह

बरहज/कपरवार। भारत के पूर्व प्रधानमंत्री व किसानों के मसीहा स्व. चौधरी चरण सिंह की जयंती शुक्रवार को विविध आयोजनों के बीच नगर से लगायत ग्रामीण क्षेत्र में मनाई गई। इस दौरान वैज्ञानिकों ने किसानों की आय दोगुनी करने पर चर्चा की। कपरवार संवाद के अनुसार रामलीला मैदान कपरवार में आयोजित जयंती पर बंगलौर से आए मुख्य अतिथि वैज्ञानिक डॉ. राकेश मिश्र ने कहा कि धान की ऐसी प्रजाति की खोज की जा रही है जिसमें सभी को आयरन, जिक, प्रोटीन की पर्याप्त मात्रा मिल सके। विभाग के अधिकारियों से जानकारी लेकर किसान खाद-बीज की मात्रा का प्रयोग करें। विशिष्ट अतिथि डॉ. शिव रंजनी सिंह ने कहा कि जिस तरह पुरुषों में डीएनए का जांच होता है, ठीक उसी तरह पौधों में भी डीएनए जांच कराते हुए कम लागत में अधिक उपज लिया जा सकता है। मयंक, रमेश, अजीत व दीपक ने किसानों की आय दोगुनी करने पर चर्चा की।



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**100 farmers
participated in the
program**



Activity Report :

Address to the Kisan 23rd December 2022 at Deoria, UttarPradesh

agriculture is a vital sector in India, providing livelihoods to over half of the population and contributing to over 17% of the country's GDP. To improve farmers' welfare and drive the growth of the Indian economy, Tata Institute for Genetics and Society (#TIGS), Bengaluru, and Magstik Private limited (#magstik), Sultanpur, have signed a Memorandum of Understanding (MOU) to implement collaborative activities in relevant areas. Currently, the two organizations are working together in the districts of #deoria, #Siddharthnagar, and #sultanpur in Eastern Uttar Pradesh.

As part of this joint project, National Farmer's Day was celebrated in Deoria on 23rd December 2022. The farmers who cultivated ISM paddy under this project received income above the minimum support price (MSP). The stakeholders discussed ways to double the farmer's income in a sustainable manner.

During the event, experts provided information on advanced technologies and farmers participated in discussions on the challenges they face, and the support required to increase their income. The event was a success as various stakeholders including institutions, academia, #agtech companies, and #farmers worked together to address multifaceted problems in agriculture.

The following individuals and organizations are acknowledged for their contributions:



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• Chowdhary Mahadev Prasad Degree College, Prayagraj #cmpdegreecollege: Dr. Sarita Srivastava, Dr. Deepak Kumar Gond, Suresh Kumar Vaishy, Rupendra Kumar Yadav and Utkarsha Gupta

Department of Botany

C.M.P. Degree College, Prayagraj

Visit to NASI for B.Sc. III Bio students Conducted by Botany Department, CMP Degree College, Prayagraj (Under the Aegis of DBT Star College Scheme) on 30th March 2022

Botany Department has organized National Academy of Sciences (NASI), Prayagraj visit an outreach activity for B.Sc. III year students under an outreach activity of DBT Star College Scheme on 30th March 2022. About 75 students of B.Sc. III year students and 3 faculty members of Botany Department (Dr. Avinash Pratap Singh, Dr. Deepak Kumar Gond, and Dr. Yashwant Kumar) are participated in this visit. The students visited the Ganga Gallery of NASI. They got information about the origin place and the pathway of river Ganga from Gangotri to Bay of Bengal. Students have also get information regarding Ganga pollution at different places during the pathway. They also collected different information about different important rivers of India, but the gallery is mainly focussed on river Ganga. The awareness programme to protect the river Ganga were also mentioned as well as to control the the pollution in the different rivers were also available in the gallery. Many others relevant information were available regarding different rivers, forests and natural resources of India and their conservation. Digital quiz was also organized in the Ganga gallery for students. The quiz was based on Ganga gallery. All the information in the Ganga gallery of NASI, Prayagraj, was fully digitalized and automatic, which was very helpful for students to analyze the information in the systematic and simplest manner. The statistics of Ganga gallery was also presented in very effective way, so that the students very easily analyze all the data. Students also observed the photographs of different scientists, which were placed in the NASI, Prayagraj campus. Finally the Director of NASI, Prayagraj Dr. Neeraj interacted with students. He told about the history and establishment of NASI. Question and answer session was also conducted.



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The Ganga gallery visit of NASI Prayagraj was definitely much more beneficial for students and they got different information regarding NASI and Ganga gallery. The students enrich their knowledge mainly regarding water pollution and different important rivers of India.



NASI VISIT



GANGA GALLERY OF NASI VISIT



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Report on Biotech Startup DBT Expo-2022 at Pragati Maidan, New Delhi

Outreach Activity of B.Sc. III Bio students, CMP Degree College, Prayagraj (Under the Aegis of DBT Star College Scheme)

We are invited to attend the Biotech Startup Expo on 9th and 10th June 2022 at New Delhi. (Reference DBT letter dated 3rd June 2022: "Celebration of 10 years of BIRAC" on 9th and 10th June 2022 at Pragati Maidan New Delhi: Fostering Biotechnology and Startup Innovations: Towards Aatma Nirbhar Bharat Biotech Startup Expo- 2022-10 years of BIRAC and Department of Biotechnology)

Two faculty members (Dr. Avinash Pratap Singh and Dr. Deepak Kumar Gond of Botany Department) and three B.Sc. III year students (Suraj Kumar Prajapati, Ashwani Singh and Sunil Chaurasiya) were nominated by DBT Coordinator, Dr. Sarita Srivastava of CMP Degree College Prayagraj to attend the Biotech Startup Expo on 9th and 10th June 2022 at New Delhi. It was two-day event held on 9th and 10th June 2022. The Expo was organized by Department of Biotechnology (DBT) and biotechnology Industry research Assistance Council (BIRAC). The theme of the Expo was 'Biotech Startup Innovations: Towards Aatma Nirbhar Bharat'

The Biotech Startup Expo-2022 at Pragati Maidan, New Delhi was inaugurated by Honourable Prime Minister Mr. Narendra Modi. Mr. Modi address on the occasion. He told that trust in the skill and innovation of India's information technology professionals in the world was at new heights and this unbeatable mood was now evident in the biotech sector as well as among the biotechnology professionals of India. According to the Prime Minister, the number of start-ups in India increased from few hundred to 70000. The number of investors in the biotech sector has risen by nine times, the biotech incubators funding increased by seven times. Biotech products have increased from 10 products to more than 700 products today.

The Expo was act as platform to connect entrepreneurs, investors, industry leaders, scientists, researchers, bio-incubators, government officials etc.

About 300 stalls were set up at the Expo, which was the showcase application of Biotechnology in various fields such as healthcare, genomics, biopharma, agriculture, industrial biotechnology, waste-to-value and clean energy among others.



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Expo was very good for exposure of B.Sc. students and they must be benefitted from the event.



DBT Expo, Pragati Maidan, 9th June 2022



DBT Expo, Pragati Maidan, 10th June 2022



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Visit to BSI by UG Studnets of B.Sc. I, II and III year Bio Students to BSI, Central Circle Prayagraj

Botany Department, CMP Degree College, Prayagraj, conducted outreach activity for B.Sc. Bio students on 1st Aug 2022. Dr. Avinash Pratap Singh was in-charge of this programme. About total 25 B.Sc. 75 M.Sc. and 12 Ph.D. students were participated in this activity. In this programme students were acquainted about herbarium of BSI and also about different pants. Students also identified the plants in field



BSI, Central Circle, Prayagraj, Visit of Students (B.Sc., M.Sc. and Ph.D)



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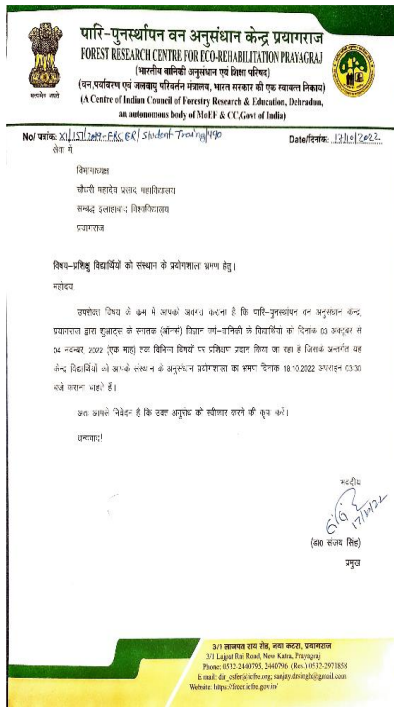
Under the Strengthening Component of DBT Star College Scheme

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Out Reach Activity of SHUATS, Naini, Prayagraj Students of B.Sc. (Hon) Forestry

Botany Department, CMP Degree College, Prayagraj demonstrated about different instruments the Students of B.Sc. (Hon) Forestry of SHUATS, Naini, Prayagraj on 10th October 2022. About 22 students were participated in this training programme. Dr. Avinash Pratap Singh, addressed the students and talked about the handling of different microbiological instruments.



Students of B.Sc. (Hon) Forestry of SHUATS, Naini, Prayagraj



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Department of Botany

C.M.P. Degree College, Prayagraj

DBT FEST:

An invited e-lecture was organized by Department of Botany, in a four-day intercollegiate DBT Fest – "Vigyan Sangam" on 18th January 2022 in CMP Degree College, Prayagraj under the aegis of DBT Star College Scheme, using Zoom platform. In the second day of this four-day intercollegiate DBT Fest – "Vigyan Sangam", a lecture was delivered by Prof. Shashi Pandey, Department of Botany, Institute of Sciences, Banaras Hindu University, Varanasi. The topic of this lecture was 'Importance of Plant tissue Culture Techniques and its techno-commercial feasibility'

Botany Department of CMP Degree College, Prayagraj organized a lecture on the topic 'Importance of Plant tissue Culture Techniques and its techno-commercial feasibility' in the DBT Fest lecture series, under the aegis of DBT Star College Scheme, on 18th January 2022. The lecture was delivered by Prof. Shashi Pandey, Department of Botany, Institute of Sciences, Banaras Hindu University, Varanasi.

About more than 150 Undergraduate students of different colleges of all over the India were joined through Zoom online platform. Faculty members of different Colleges and Institutes were also participated. The session was chaired by Prof. Harbans Kaur Kehri, Department of Botany, University of Allahabad, Prayagraj. The session was compeered by Dr. Neha Pandey, Assistant Professor, Botany Department, CMP College, Prayagraj.

Dr. Pandey lecture was very interesting and according to the students. She told about basics of tissue culture in very simple way. Her lecture was based on importance of plant tissue culture and also covered all the aspects of plant tissue culture. She also told about commercial application of plant tissue culture. The students must be benefitted through this lecture and seek the opportunities in tissue culture and may be setup start-ups in the field of tissue culture. Question and answer session were also conducted, through which students clear their doubts.



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



In the end of lecture Dr. Avinash Pratap Singh, Assistant Professor, Botany Department, CMP College proposed vote of thanks.

DBT FEST
C.M.P. COLLEGE
(A Constituent P. G. College of University of Allahabad)
Funded By : DBT STAR COLLEGE SCHEME

Opportunity for Undergraduate students to show their talent in upcoming events

DBT FEST
विज्ञान संगम
Date: 17th–20th January 2022

Last Date for Registration: 6th Jan. 2022

No Registration FEE

QUIZ COMPETITION 17-Jan-2022

DEBATE COMPETITION 18-Jan-2022

POSTER COMPETITION 19-Jan-2022

POPULAR SCIENCE LECTURES BY EMINENT SPEAKERS

Jointly Organised by:
Departments of Botany, Zoology, Physics and Chemistry
Chauhan Mahadeo Prasad Degree College, Prayagraj

Organized under the aegis of
DBT STAR College scheme

Please visit C.M.P College website for details:
<https://cmpcollege.ac.in>

Registration Link:
https://docs.google.com/forms/d/1FAIpQLSSU0ouQ64EzRG_NU1h0spy3HEmEJCy18_cW7mR1TKM1w/viewform

Poster of event



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Training Programs conducted Department of Botany C.M.P. Degree College, Prayagraj

Report on one day e-workshop on skill development

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.

About more than 150 Undergraduate students of different colleges of UP were joined through Zoom online platform. Faculty members of different departments were also participated.

The workshop was inaugurated by our college Principal, Dr. Brijesh Kumar with their inaugural speech. Dr. Sanjay Singh, Convener Botany Department, CMP Degree College welcome the guests and 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)

First of all a very good and interesting lecture was delivered by Dr. Saurabh Pandey. It was based on tissue culture methods, techniques and their applications. It was very beneficial for Undergraduate students. Later on, Dr. Saurabh Pandey talked about tissue culture and entrepreneurship. He told about commercial application of tissue culture, which was the main aspect of the workshop. He also talked about start-ups with tissue culture.

Dr. Pandey interacted with students and discussed about tissue culture and entrepreneurship. He also discussed on the basics of entrepreneurship and start-ups. Lastly question and answer session were also conducted. The workshop was oriented according to Undergraduate students. They must be benefitted through this workshop and search the opportunities in tissue culture and may be setup start-ups in the field of tissue culture.

In the end of workshop Dr. Avinash Pratap Singh, Assistant Professor, Botany Department, CMP College extend vote of thanks.



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Chaudhary Mahadev Prasad College
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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

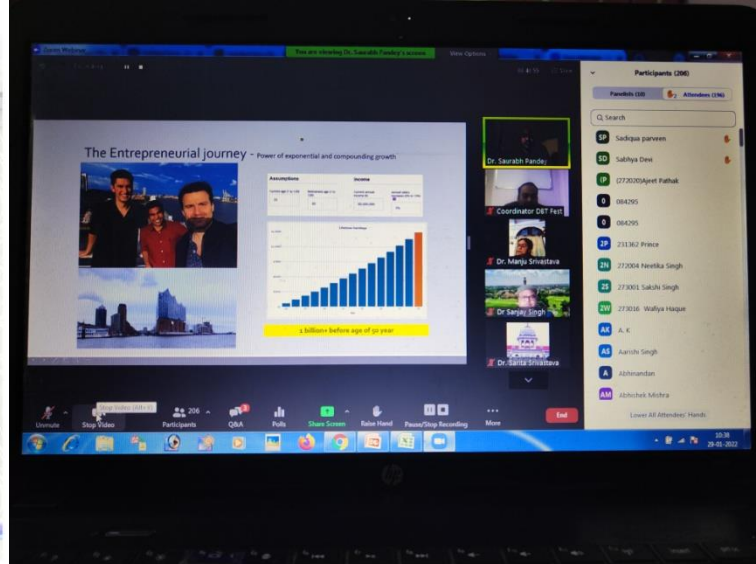
Certification
for
Participants

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

Organized by:
Departments of Botany
Chaudhary Mahadev Prasad Degree College, Prayagraj

Registration Link: <https://forms.gle/V6ub4b5HErRbLu7>
Please Visit CMP College website for details: <https://cmpcollege.ac.in>

Time- 10 AM (IST)
Workshop link-
<https://us02web.zoom.us/j/85931896999?pwd=RXRTa2lVbWpZVTJRT0VnEzZC85SUtE9>



Skill Development cum training program

Report on Mushroom Cultivation and Vermicomposting Training Program

Botany Department of CMP Degree College, Prayagraj organized two days training program under the aegis of DBT Star College Scheme for students on 18th -20th Feb 2022. Total 70 students were participated.



Mushroom Cultivation Training Program



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Report on Training Programme at BSI, Central Circle, Prayagraj

Training programme was conducted for B.Sc. II and III-year Bio Students From 1st Aug 2022 to 30th Aug 2022. This programme was organised by BSI, Central Circle, Prayagraj. The institute trained our students on **Digital Herbarium Technique**. There was total four slots of students and slots, consist of 25 students. Each slot was trained for one week. Total 100 students were participated under the guidance of Dr. Avinash pratap Singh. Students were benefitted about digitalization technique of herbarium.



BSI Training



BSI Training



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REPORT ON SEVEN-DAY WORKSHOP CUM HANDS-ON TRAINING ON MUSHROOM

Name of Activity: Seven-Day Workshop cum Hands-on training on Mushroom Cultivation

Academic year: 2022-23

Programme Type: Workshop Cum Hands-on Training

Programme Theme: Promoting students and farmers for cultivation of Mushroom and develop self-employment by this skill development program.

Date: April 18-24, 2023

NATIONAL WORKSHOP CUM HANDS-ON TRAINING ON MUSHROOM CULTIVATION 18-24 APRIL 2023 (Under the aegis of IIC and DBT Star College Scheme)

ORGANISED BY: Department of Botany CMP Degree College, Prayagraj



ABOUT COLLEGE

Chaudhary Mahadev Prasad College popularly known as CMP was established in the year 1950, as an Associate College of the University of

Allahabad. It became a Constituent College in the year 2005 when the university was granted Central status. The main campus of the College is located in George Town on M.G. Marg, housing the facilities of Science and Arts. The law faculty of the College is located on Kamla Nehru Road near the powerhouse. The Commerce and Teachers Training College faculty of the College is also located on Kamla Nehru Road Civil Line.

ABOUT BOTANY DEPARTMENT

The Department of Botany is located in the North East corner of the main campus of the College. It is located on the ground floor of two storied buildings. A new building of the Department of Botany is also inaugurated in 2023. The Department of Botany came into existence right from the inception of the college in the year 1950 in which Graduate teaching was started. The post-graduate teaching was started in 2017 and research in 2020. At present, 05 Associate Professors and 10 Assistant Professors with 09 supporting staff are working in the department. The departmental library has a significant number of books and periodicals. At present more than 50 research scholars are engaged in research in different disciplines of the department.

The department runs two short-term courses on Mushroom Cultivation and Organic farming. The Department also maintains a botanical garden and a medicinal garden in the College campus with more than 1000 rare plant species.

ABOUT MUSHROOM CULTIVATION

Mushroom is proven to be a food and medicine. It is a simple form of fungus that grows faster and has been esteemed throughout the world for thousands of years which has a massive market both locally and internationally. The increasing awareness about high nutritional value accompanied by medicinal properties means that mushrooms are going to be an important food item in the coming days. Growing mushroom is economically and ecologically beneficial. Consuming mushrooms is beneficial in every respect. Thus, mushrooms are truly healthy food and a promising nutraceutical. Nowadays people are consuming mushrooms in different ways like curry, snacks, soup, salad, sandwiches, cake, pizza, pickles, etc. Supplementation of the mushroom base recipe in mid-day meals will bridge the protein deficiency gap. Mushroom is also rich in folic acid, which is beneficial for brain health. It lacks cholesterol and contains Vitamin B2, Potassium, Copper, Zinc as well as Vitamin D which are rarely found in vegetable food.

ABOUT TRAINING

IIC of CMP College undertakes the mission to bring about awareness on mushroom production. The trainees will be trained completely in all aspects of mushroom cultivation e.g. Spawn production, compost preparation, casing soil and crop management, farm management, farm design, and post-harvest technology of Button Mushrooms, Oyster

