



## **Session- 2022-2023**

### **STUDENT ORIENTATION**

On September 15, 2023, the Department conducted an orientation program for the 1st-year B.Sc. (Hons) Microbiology students with the aim of establishing a connection between the students and faculty members. The orientation covered several academic aspects of the course, including the institute's rules and regulations. Additionally, students were informed about the monitoring of their academic progress and performance. The program was successful in bridging the gap between students and faculty and provided students with valuable information to help them navigate their academic journey.





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*St. Bede's College, Shimla*

### **VISIT TO CENTRAL POTATO RESEARCH INSTITUTE (CPRI)**

The 3rd-year B.Sc. (Hons) Microbiology students visited the Central Potato Research Institute, Shimla on August 25, 2022. During the visit, they were provided with information on the establishment of CPRI and the various potato varieties developed by the institute. They were also shown a range of advanced instruments such as the PCR machine, electron microscope, centrifuge, sequencer, and genetic analyzer, and demonstrated their working. Furthermore, the students were given the opportunity to visit the plant tissue culture laboratory where plants are grown in artificial conditions. The visit was a valuable learning experience for the students and helped them gain practical knowledge about the techniques and equipment used in the field of microbiology.







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## **PARTICIPATION IN A WORKSHOP**

The BSc. Hons Microbiology 2nd Year students participated in a two-day workshop on 'Frontier Areas in Material Science' on September 9, 2022. The workshop provided students with the opportunity to interact with various experts and gain valuable insights. The experts shared their knowledge on different aspects of material science, enlightening the students on the latest developments in the field. Overall, the workshop was a productive learning experience for the students, broadening their understanding of material science and its relevance in the field of microbiology.

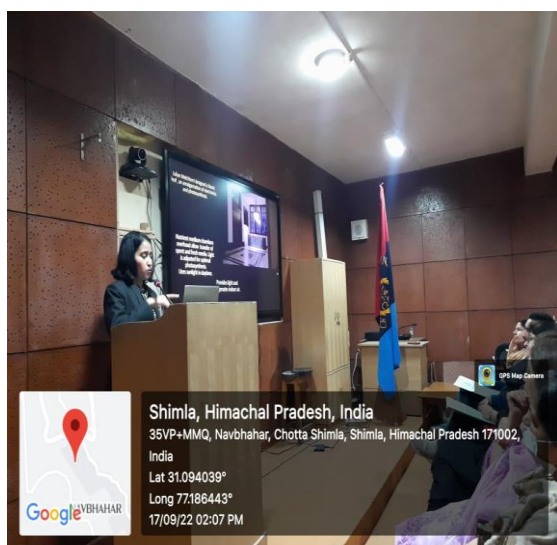
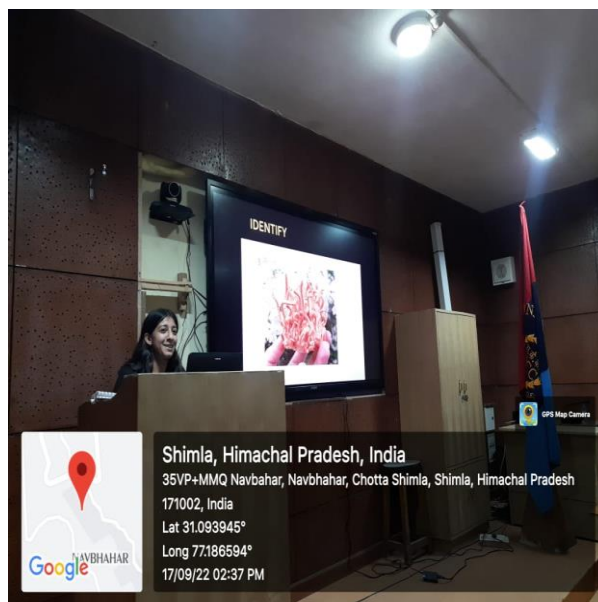




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### INTERNATIONAL MICROORGANISM DAY

On September 17, 2022, the Department of Microbiology commemorated International Microorganism Day by organizing several interdepartmental competitions. The aim was to increase awareness of the crucial role that microorganisms play in our daily lives. Competitions such as poster making, PowerPoint presentations, and quizzes were organized to engage students in learning about the significance of microorganisms. The judging panel consisted of Dr. Shramja Munjal, Dr. Kusum, and Dr. Maheshwar, who evaluated the competitions and announced the winners. The event was a success in promoting the importance of microorganisms and their impact on our lives.





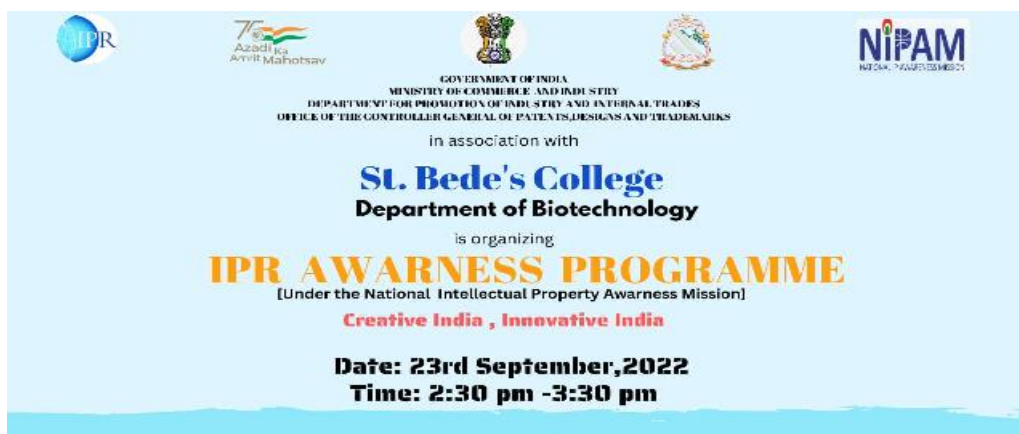


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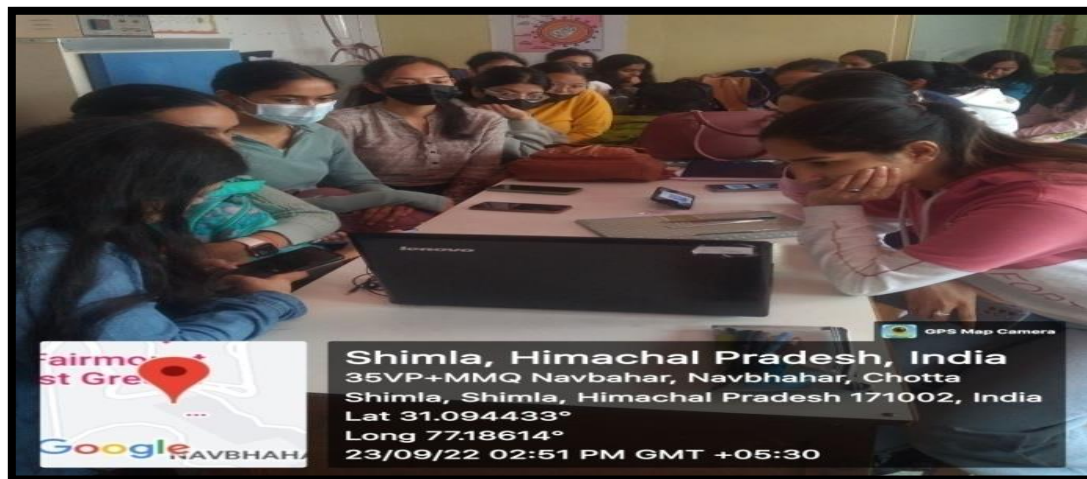
## IPR AWARENESS PROGRAMME

The faculty members and students participated in an online Intellectual Property Rights (IPR) awareness program on September 23, 2022. The program was conducted by the Department of Biotechnology at St. Bede's College, in association with The Patent Office, Kolkata, under the Department for Promotion of Industry & Internal Trade (DPIIT), Ministry of Commerce & Industry. The webinar featured Shri Suman Sil, Examiner of Patents & Designs, as the resource person. The program aimed to raise awareness of the significance of IPR and its importance in the field of biotechnology. Overall, the program was informative and insightful, providing valuable knowledge to the attendees.





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## SOCIAL RESPONSIBILITY

The Department of Biotechnology took the initiative to spread happiness among the underprivileged community by organizing a Diwali celebration on October 10, 2023. The students of the department collected books, toys, clothing, and sweets and distributed them to the children of laborers in the Chhota Shimla area. The faculty members and students of the department also actively contributed to this noble cause. The initiative aimed to bring joy and happiness to the underprivileged children and spread the festive spirit. The department's commendable efforts to make a positive impact in the community were highly appreciated.







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## **INTERACTIVE SESSION ON ACADEMIC COLLABORATION**

On November 9, 2022, the faculty members and students of the Department attended an interactive session on academic collaboration with Harrisburg University, USA. During the session Dr. Robert Furey interacted with the students and elaborated them about different courses being offered by the university, its curriculum and fee structure.



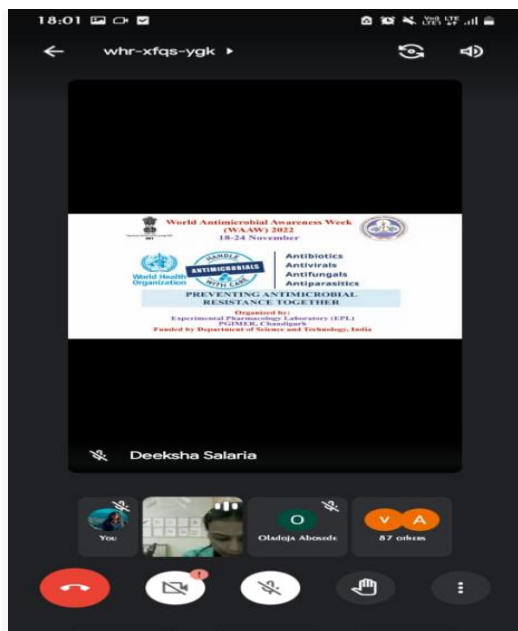
## **VIRTUAL SESSION ON ANTIMICROBIAL RESISTANCE**

The students of Microbiology participated in an online webinar on 'Antimicrobial Resistance Awareness' on November 24, 2022. The webinar was organized by the NSS Unit of the college in association with PGI, Chandigarh. Students from various universities in India and Nigeria attended the webinar. The speakers from India and Nigeria addressed the attendees and emphasized the significance of controlling antibiotic resistance. They discussed various measures to control and prevent the spread of antimicrobial resistance. The webinar was a productive and informative session, raising awareness of the growing threat of antibiotic resistance and the importance of addressing it.



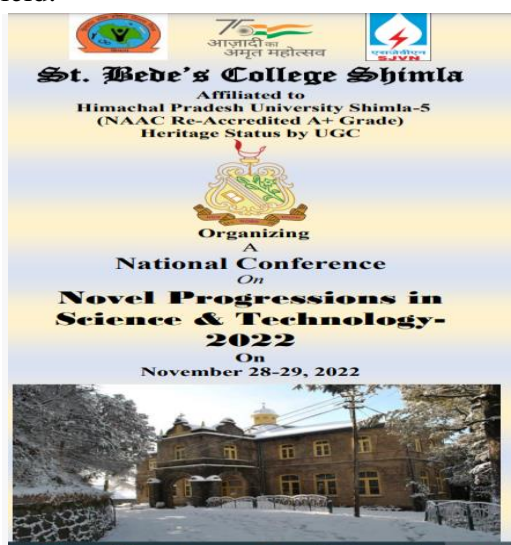


## Department of Microbiology St. Bede's College, Shimla



### NATIONAL CONFERENCE

From November 28-29, 2023, the Science faculty of the college organized a two-day National conference on 'Novel Progressions in Science and Technology' on the college campus. Eminent speakers from various fields of science deliberated on recent research areas, and research scholars and faculty members from different institutions presented their research work. The conference provided a platform for knowledge exchange and interaction among scholars and experts in the field of science and technology. The event was a grand success, facilitating intellectual discussions and paving the way for future collaborations and advancements in the field.





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### **INTER DEPARTMENTAL ACTIVITY**

On November 23, 2023, an interdepartmental activity was organized between the Department of Microbiology and the Department of Nutrition on the topic of 'Calculation of BMI'. Ms. Jaivanti from the Department of Nutrition gave a demonstration on the body mass index (BMI), its calculation, and importance. She also elaborated on the ways to maintain a healthy body weight through dietary changes. The activity provided an opportunity for students to understand the significance of maintaining a healthy BMI and how it can impact overall health and wellbeing.



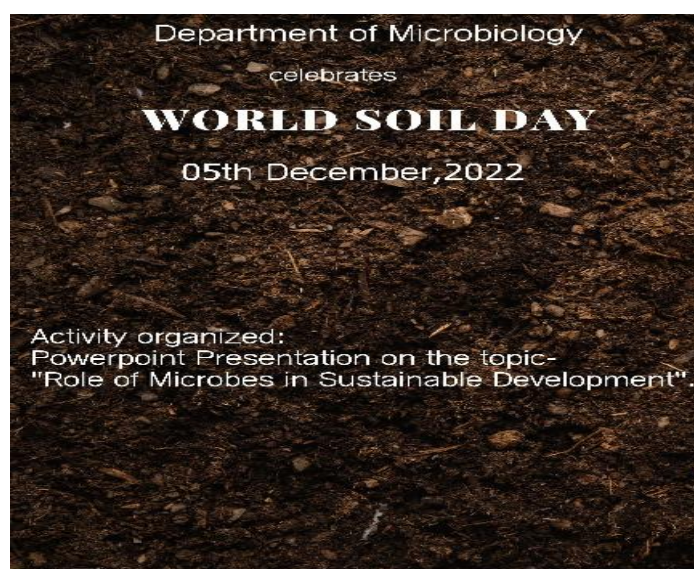




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### **WORLD SOIL DAY**

On December 5, 2022, the Department of Microbiology observed World Soil Day by organizing an event to highlight the value of healthy soil and promote the sustainable management of soil resources. As part of the event, the students of BSc (Hons) Microbiology III year gave a PowerPoint presentation on the topic, 'Role of Microorganisms in Sustainable Development'. The presentation focused on the importance of microorganisms in maintaining healthy soil and how sustainable soil management practices can help to ensure the long-term productivity of soil. The event provided valuable insights into the role of microorganisms in sustainable development and the importance of promoting sustainable soil management practices.





## *Department of Microbiology St. Bede's College, Shimla*

### SCIENCE DAY

On February 28, 2022, the Science faculty celebrated National Science Day in collaboration with the Indian Association of Physics Teachers (IAPT) and ISCA, Shimla Chapter. The theme for the day was 'Discoveries in Science and Sustainable Development'. The two-day program included various activities such as live demonstrations, a movie on cyclotron, an inter-college science quiz, talks on relevant science topics, and a science exhibition. The B.Sc. (Hons) Microbiology students showcased different models related to their field which were appreciated by all. Additionally, there were discussions on the importance of sustainable development in science and its impact on society

**St. Bede's College**  
(NAAC Re-Accredited A++ College)  
in collaboration with  
**Indian Association of Physics Teachers & Indian Science Congress Association**  
Organizes  
Two Days Program to Celebrate  
**NATIONAL SCIENCE DAY-2023**  
on  
**"Discoveries in Science and Sustainable Development"**  
Dedicated to Prof. H. S. Hans (A Cyclotron Pioneer) on his Centenary Celebrations

**Highlights**

- Invited Talks by Eminent Speakers
- Movie on Cyclotron & On the Spot Quiz
- Demonstration Sessions & Sky Watching
- Quiz, Poster, Free Museum
- Inter College Science Quiz Competition
- Exhibition by Science Departments

**Eminent Speakers**

- Prof. P. K. Ahluwalia, President, IAPT
- Prof. Neeraj Sharma, Convener, ISCA
- Prof. S. S. Kanwar, HPU Shimla
- Prof. M. S. Marwah, GGSC Chandigarh
- Prof. Hemant Kumar, Secretary, IAPT RC03
- Dr. Arun Kumar, Govt. College Ghumanwin

**Patron:** Prof. (Sr.) Molly Abraham  
Principal  
**Convener:** Dr. Sapna Sharma  
Assoc. Prof.  
St. Bede's College

**Date:** 28<sup>th</sup> Feb. - 1<sup>st</sup> Mar. 2023  
**Venue:** College Auditorium  
**Time:** 10.00 am to 3.00 pm

No Registration Fee!

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## CAREER COUNSELLING

On March 25, 2023, the Career Guidance and Counselling Cell organized a counselling session for the 3rd year B.Sc. (Hons) Microbiology students in the campus. The seminar was aimed at providing guidance and valuable tips to the students to crack various competitive exams for their higher studies. Experienced speakers shared their insights and knowledge with the students, helping them to prepare for a successful career in their chosen field.

*Take the next step into your future*

# Career Counselling Session

for  
Science students  
*In context to upcoming  
competitive examinations*

What to do?  
Where to do?  
Can I do?  
How to do?  
Is this the best for me?

**Join the Session**

**Date: March 25, 2023  
Time: 10:30am-12:15pm**

**Venue: A-Block  
Room No. A12**

**Organized by  
Career Guidance and Counselling Cell  
&  
Department of Chemistry  
St. Bede's College-Shimla**

**Interactive Session  
with the students of  
specific fields from  
different  
Universities**







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## MINOR PROJECT

Ms Reena Thakur guided the students of B.Sc (Hons) Microbiology 2nd year in completing a Minor Project titled 'A Survey on Common Food Preservatives Added to Packaged Foods'. As part of the project, the students visited various food stores and malls to gather information about the types of food items available and the additives added to them. They also studied the most common preservatives used and their potential side effects if consumed regularly.

