



*Department of Biotechnology
St. Bede's College, Shimla*

Activities for the session 2018-2019

GUEST LECTURE FOR STUDENTS

Dated: December 4, 2018

Event Name: A guest lecture on “recent advances in bioinformatics”

Description: Dr. Nikhil Sharma, Information officer, SDIC, Department of Biotechnology, Himachal Pradesh University, Shimla was the guest speaker for the event.



WORKSHOP FOR STUDENTS AND FACULTY

Dated: September 13, 2018

Event Name: “Celebrating Indian Science from past to future”

Description: Students and teachers of Department of Biotechnology attended a two-day workshop “Celebrating Indian Science from past to future in StBede’s College organized by Department of Physics in collaboration with ISCA, Shimla chapter on Sept 13, 2018. The



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St. Bede's College, Shimla*

students of department of biotechnology displayed several models of tissue engineering and fermentation technology in the workshop which were appreciated by the guests and participants of the workshop.





INTER-DEPARTMENTAL ACTIVITY

Event Name: Recent trends in Plant tissue culture

Dated: October 1, 2018

Description: Tishya Rakshita of B.Sc (Hons.) Biotechnology, 5th semester gave a presentation on the recent trends in Plant tissue culture to the students of B.Sc. (Hons.) Biotechnology and B.Sc. Botany She explained the various techniques such as micropropagation, somatic embryogenesis, hybrid cultures and haploid plant production.

Event Name: To study the different techniques of Immunology

Dated: November 22, 2018

Description: An interdisciplinary activity was organized with Dept. of Botany where Ms. Shruti Gupta, Asst. Professor in the Dept. of Biotechnology demonstrated of different techniques of immunology to the students of B.Sc. (Hons.) Biotechnology IInd year and M.Sc. Botany.



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ALUMNI INTERACTION

Dated: October 13, 2018

Description: An interactive session with the alumnae of department of biotechnology was organized for the students of biotechnology to make them aware of the future prospects of the field and help them prepare for competitive exams for higher studies





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NATIONAL SCIENCE DAY CELEBRATIONS

Dated: February 28, 2019

Event Name: “Science and Technology for a Sustainable Future”,

Description: The theme for science day was chosen with the purpose of raising public appreciation of the scientific issues involved. Students of the Department of Biotechnology, participated in several competitions such as poster making, rangoli and essay writing competition organized on this day.



WORKSHOP FOR STUDENTS

Dated: February 28, 2019

Event Name: Hands-on experiments and techniques related to various fields of science



Description: St. Bede's college organized a one-day science workshop on Bioinformatics, Biotechnology and Physics experiments in collaboration with Jaypee University of Information Technology, Waknaghat, to mark the occasion of National Science day. The session was based on hands-on experiments and techniques related to various fields of sciences i.e. Tissue culture, Immunology, Biogas reactor, Molecular biology, Optical fibre, Polarization and Hysteresis loop and Magnetostriction. The faculty of JUIT interacted and demonstrated several experiments to the science students of St. Bede's College.



RESEARCH PROJECT

In 2018, students of B.Sc. (Hons) Biotechnology IV semester did an in-house research project "Isolation and partial purification of cellulase from bacterial sources". Cellulase, which is used in food processing, paper and pulp industry as well as manufacturing of biofuels was produced and purified from a bacterial species isolated from soil sample.



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