

Department of Biotechnology and Bioinformatics JUIT organised collaborative workshop with Khalsa college Patiala on 28th Feburary2022

On National Science Day 28th Feb, 2022 Department of Biotechnology and Bioinformatics, JUIT organised collaborative workshop with Department of Biotechnology at Khalsa College Patiala. The workshop was arranged for the aspiring students (40 no.) of B.Sc (Biotechnology) of Khalsa College for providing hands on experience on different biotechnological techniques at the Department of Biotechnology, Khalsa College, Patiala. Dr Nipunjot Kaur (HOD, Department of Biotechnology, Khalsa College) organised the workshop with Prof. (Dr) Sudhir Kumar (HOD, Department of BT and BI, JUIT Waknaghat, Solan). Workshop session started with the address of Dr Dharminder Singh Ubha, Principal Khalsa College followed by lecture of Prof. (Dr) Sudhir Kumar where he appraised and motivated students with future avenues of biotechnology and other related streams. Workshop sessions were started in labs where Prof. (Dr) Sudhir Kumar gave demonstrations of a microbiological techniques like identifying Gram's nature of bacteria without using stains and microscope, Dr Jata Shankar Associate professor (BT &BI) demonstrated PCR and explain in details about different molecular techniques including RT-PCR, Dr Hemant Sood Associate professor (BT &BI) demonstrated plant tissue culture techniques for endangered medicinal/exotic plants and its applications in crop improvement programmes. Ph.D. scholars (Monica and Sargeet) along with Lab technician Baleshwar Prasad helped in coordinating the practice sessions of the students. The students feedback showed great satisfaction and knowledge enrichment in this workshop. Department of BT and BI deeply acknowledged the hospitality, support and well organisation of the workshop by the team comprised of faculty and staff headed by Dr Nipunjot Kaur. (**News paper coverage attached**)

Khalsa College Patiala organizes a Science workshop on the occasion of National Science Day

Punjab Times News
 Patiala, February 28

Special

Biotech Society, Department of Biotechnology and IQAC of Khalsa College Patiala organized a Science workshop on the occasion of National Science Day in collaboration with Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology, Wazirpur, Solan in Khalsa College Patiala. The workshop was arranged for students to enhance their knowledge in the field of biotechnology. A total of 40 students along with faculty of the department participated in the workshop. In her welcome



address, Dr. Nipunjot Kaur, Head, Department of Biotechnology told about the importance of such workshops in current scenario.

Dr. Dharminder Singh Ubha, Principal, Khalsa College Patiala encouraged students regarding participation in the workshops and highlighted

the importance of scientific temperament among students. Dr. Sudhir Kumar, Professor and Head, Department

of Biotechnology and Bioinformatics, Jaypee University of Information Technology, presented the applications of biotechnology in various fields. He also explained students about the scope of biotechnology and various scholarship programs for further studies. Thereafter, Dr. Sudhir Kumar along with their faculty members Dr. Hemant Sood, Dr. Jata Shankar, Baleshwar Shukla (laboratory staff), PhD Scholars Monika, and Sargeet Kaur gave technical sessions in which students were given hands on experiences on various techniques of biotechnology. Dr. Sudhir Kumar enlightened students about microbiological techniques to identify different

types of cultures without using microscope in a very easy and effective manner. Dr. Hemant Sood, clarified students about techniques of tissue culture technology to propagate plants in artificial conditions in labs. Dr. Jata Shankar, explained students about PCR technique to amplify DNA for process of cloning and genetic testing kits for identification of unknown organisms. The PhD Scholars demonstrated the techniques explained by Dr. Jata Shankar to the students and clarified their concepts about practical experience. Dr. Nipunjot Kaur, Head, Department of Biotechnology fortified students on their participation in the workshop.

English Edition
 Mar 1, 2022 Page No. 3
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Glimpses of Workshop at Khalsa College, Patiala (A, B and C)



A



B



C