

One Day Workshop on ‘Molecular Biology and Biotechnological Techniques’



Workshop on “Molecular Biology and Biotechnological Techniques”

24 FEBRUARY 2023

Organized by

Department of Biotechnology and Bioinformatics
Jaypee University of Information Technology,
Waknaghat, Solan, Himachal Pradesh – 173234

In collaboration with

Rajkiya Kanya Mahavidyalaya (RKMV) Longwood,
Shimla, Himachal Pradesh

ABOUT JUIT, Solan

JUIT is spread over 25 acres of lush green picturesque slopes of Waknaghat, in District Solan of Himachal Pradesh, creating a tranquil environment that can heighten the spirit and energy level of all learners and inspire them to optimize their learning efforts.



ABOUT RKMV, Shimla

Rajkiya Kanya Mahavidyalaya (R.K.M.V), a premier institution with B++ grade by NAAC and also with the status of a “College with Potential for Excellence” by UGC is the only government college for girls only in Himachal Pradesh. In existence for more than eight decades it has been a prime educational institution of the city.

ABOUT THE WORKSHOP

- Hands-on experiments on modern Molecular biology and Biotechnological techniques
- Training on instruments such PCR, GelDoc, ELISA reader etc
- Working demonstration of DNA-based and Diagnostic Techniques
- Clinical diagnostic method- Application of RT-PCR

ABOUT THE DEPARTMENT BT & BI

The Department of Biotechnology & Bioinformatics (BTBI) has gained National and International distinction in Biotechnology education and research through its UG and PG programs. The Department is having strong R&D program, up-to-date educational curricula, modern laboratory infrastructure, highly qualified faculty. The Department offers B.Tech, and Ph.D courses in Biotechnology and Bioinformatics, M.Tech in Biotechnology, M.Sc. in Microbiology and Biotechnology with excellent placement record.

PATRONS

Prof. Rajendra Kumar Sharma
Vice Chancellor, JUIT

Prof. Ashok Kumar Gupta
Dean, Academics & Research, JUIT

Maj. Gen. Rakesh Bassi (Retd.)
Registrar, JUIT

Dr. Ruchi Ramesh,
Principal, RKMV, Shimla

Dr. Anil Kumar Thakur Dean (Sciences), HoD-Botany, RKMV

Prof. Sudhir Kumar HoD, BT & BI, JUIT

Dr. Jata Shankar & Dr. Rahul Shrivastava

Workshop Coordinators: BT & BI, JUIT

Committee members from RKMV, Shimla

Department of Botany Dr. Renu Rana (Associate Professor) Dr. Rajender Prakash (Assistant Professor), Coordinator- Biotechnology and Microbiology	Department of Zoology Mr. Kartik S. M. Chanchan , HOD (Associate Professor) Mr Rajesh Azad (Associate Professor) Ms. Kavita Dhiman (Associate Professor)
Department of Microbiology Dr. Kiran Sharma Dr. Poonam Sharma	Department of Biotechnology Dr. Ambika Sharma Mr. Amit Sharma

One Day Workshop on ‘Molecular Biology and Biotechnological Techniques’

On 24 February 2023, a One Day Workshop was organized by Jaypee University of Information Technology, Wagnaghat, Solan (H.P.) in collaboration with Rajkiya Kanya Mahavidyalaya (RKMV) Longwood, Shimla, (H.P.) on ‘Molecular Biology and Biotechnological Techniques’. The workshop was arranged by Prof. Sudhir Kumar HoD, BT & BI, JUIT and Dr. Anil Kumar Thakur Dean (Sciences), HoD-Botany, RKMV. Dr. Jata Shankar & Dr. Rahul Shrivastava from JUIT, coordinated the entire workshop.

60 students of B.Sc. (Microbiology, Biotechnology, Zoology and Botany streams) participated in the workshop. Faculty members Dr. Rajender Prakash, Ms. Kartik S. M. Chanchan, Mr. Amit Sharma, Mr Rajesh Azad, from RKMV, Shimla accompanied the students and actively participated in the workshop. The main objective of the workshop was to educate and motivate students for exploration of different arenas in science, and provide them live demonstration and training on novel areas and topics related to Microbiology, Molecular Biology and Biotechnology.

The workshop was conducted by the resource persons from the Department of Biotechnology & Bioinformatics, JUIT, Wagnaghat. Dr. Rahul Shrivastava provided a practical demonstration of Drug Screening methods, and Biofilm Inhibition Assay used for Drug Discovery, Dr. Jata Shankar provided a live practical session on PCR and Real-Time PCR. The sessions were followed by practical session on Industrial Applications of Plant Tissue Culture by Dr. Hemant Sood, and interaction on Enzyme Technology by Dr. Ashok Nadda and Dr. Uday M.

RKMV College, Shimla administration thanked the, JUIT for his motivation and support. JUIT administration, staff, research scholars and M.Sc. volunteers provided their support for making the workshop a great success. JUIT Vice Chancellor Prof. Rajendra Kumar Sharma and Dr. Ruchi Ramesh, Principal, RKMV, Shimla expressed their delight over successful conduct of the First workshop under the MoU signed between JUIT and RKMV, Shimla.





