



## **Report on Hands on Training on Biochemical and Molecular Biology Techniques in Life Sciences**

Department of Zoology and Skill Development Cell

**Date of Event** : March 20-23, 2023

**Venue** : Department of Zoology

### **Image of Event Brochure**

Hands-on Training on  
**BIOCHEMICAL AND MOLECULAR  
BIOLOGY TECHNIQUES IN LIFE  
SCIENCES**  
20<sup>th</sup> to 23<sup>rd</sup> March 2023

**Chief patron**  
Prof. Alok Kumar Chakrawal  
Hon'ble Vice Chancellor  
Guru Ghasidas Vishwavidyalaya  
Bilaspur, C.G.

**Convener**  
Prof. Seema Rai  
Dean, SoLS  
Guru Ghasidas Vishwavidyalaya  
Bilaspur, C.G.

**Coordinator**  
Prof. Monika Bhadauria  
Dr. Rohit Seth

**Accommodation**  
Dr. Neha Jain  
Dr. N. C. Agrawal

**Co-patron**  
Prof. Manish Shrivastava  
Registrar  
Guru Ghasidas Vishwavidyalaya  
Bilaspur, C.G.

**Co-convener**  
Prof. L.V.K.S. Bhaskar  
Head, Dept. of Zoology  
Guru Ghasidas Vishwavidyalaya  
Bilaspur, C.G.

**Event organizer**  
Dr. Sushant Kumar Verma  
Dr. Santosh Singh  
Dr. Manish Kumar Tripathi

**Food**  
Dr. Gita Mishra  
Dr. Nisha Sahu

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### **Details of Event Proceedings**

Date (DD-MM-YYYY)	Details of the Session	Details of Resource Person	Number of Participants
20-23 March, 2023	3 days	Day I Lecture- Prof. Seema Rai & Prof. LVKS Bhaskar  Day II Lecture-Dr. Rohit Seth & Dr. Manish Kr. Tripathi  Day III Lecture- Dr. Sushant Kr. Verma & Dr. Santosh Singh	15

### **A Brief Abstract of the Event (Maximum 500 Words):**

Hands on Training on Biochemical and Molecular Biology Techniques in Life Sciences” was successfully organised by Department of Zoology from 20th March 2023- 23rd March 2023. The programme was designed to learn and apply the basic tools and techniques required for research. The lectures along with the hands-on trial on experiments were provided by the esteemed faculties of the Department of Zoology. Day 1st commenced with the inauguration and pre-training evaluation of students to assess the knowledge of students both pre and post workshop. The first lecture and practical was conducted by Prof. Seema Rai on PBMC separation and PCR\ RT- PCR by Prof. LVKS Bhaskar. Day II started with a lecture by Dr. Rohit Seth on cell culture technology and its applications followed by very interesting session held by Dr. Manish Kumar Tripathi on preparation of single cell suspension, phagocytic assay, respiratory burst assay and also primary cell culture and proliferation. Day III included a lecture by Dr. Sushant Kumar Verma on comet assay and its practical followed by a class conducted by Dr. Santosh Singh on UV-vis Spectrophotometry and Native SDS PAGE. On the final day the students shared their experience and assessed through the post training questionnaire. The workshop was completed with valedictory speech by Prof. Seema Rai, Dean, School of Life Sciences and participation certificate was distributed to students followed by a photo session.

**PHOTOGRAPHS SHOWING EVENT of Hands on Training on Biochemical and Molecular Biology Techniques in Life Sciences 20-23 March, 2023**



*S. V. K. Bhaskar*

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