



UCB Guidelines for Project/ Dissertation/ Short-Term Training Programmes

*Under the Aegis of Skill Development
Programme of Uttarakhand Government*



Uttarakhand Council for Biotechnology (UCB)
(Department of Biotechnology, Government of Uttarakhand)

Biotech Bhawan, Haldi-263146,
Udham Singh Nagar, Uttarakhand

ABOUT THE COUNCIL

Formally known as State Biotechnology Programme has now been restructured in the name of Uttarakhand Council for Biotechnology (UCB) since November 2014 under the chairmanship of Hon'ble Cabinet Minister, Department of Biotechnology, Govt. of Uttarakhand. This Council is an autonomous body of Govt. of Uttarakhand and is working under the guidance of apex governing body of UCB and functioning as "Nodal Agency" of Department of Biotechnology (DBT), Govt. of India, New Delhi for Biotechnology Education, Research and Development in the state of Uttarakhand. One of the major concerns of the Uttarakhand Council for Biotechnology (UCB) is to create awareness on biotechnology packages for income generation and better health care in both urban and rural areas and disseminate the use of biotechnological processes and tool for creating new avenues of employment in rural areas, particularly for women and weaker section of the society. Training and demonstration in various areas such as Bioinformatics, Hydroponics, Cash Crop Cultivation, Plant Tissue Culture, Bio-fertilizers, Bio-energy, etc. would be taken up by the Uttarakhand Council for Biotechnology for raising socio-economic status and standard of living being in the state.

Centre of Excellence in Mountain Biology, Haldi



CEMB is expected to provide a much needed biotechnology and nano-technology based R&D support and leadership, particularly relevant to Uttarakhand and its mountainous region, in specific, and develop methods for the commercial utilization of rich bioresources with their conservation and protection.

The Centre would also undertake R&D for preparing ready products in collaboration with commercial units in the state or elsewhere in the country. This will improve the local economy as well as conserve the natural plant wealth. CEMB will be equipped with the following laboratories:-



Plant Tissue Culture Facilities & High Tech Nurseries



DNA Finger Printing Facility and Laboratory for Molecular Biology



Bioprospecting-cum-Analytical Facility and Quality Assurance Laboratory



Microbiology Laboratory and Fermentation Facility



Light Microscopic Facilities, Histology Laboratory and Cold Rooms.



Nano-bio sciences Laboratory



Bioinformatics Group and Documentation Laboratory

Advance Centre for Computational And Applied Biotechnology, Dehradun



Bioinformatics is a new emerging field that helps in collecting, linking, and manipulating different types of biological information to discover new biological insights. In short, bioinformatics is an information management system for Molecular Biology, Biotechnology, Medicine and Agriculture. The knowledge of bioinformatics may prove helpful to cope with many dangerous diseases such as cancer, hiv, and malaria and also essential for improvement of crop and medicinal plants. The genome sequence information of an individual organism can be utilized for improvement of different genetic traits using this approach. Recently genomes of a large number of species have been sequenced, and the information had been submitted to databases, which can be further utilized for finding and annotating genes/transcription factors/proteins for different traits.

Keeping these points in view on 1st October 2014 the department set up its camp office in Premnagar, Dehradun. The camp office along with the Bioinformatics & Documentation Laboratory was inaugurated by Hon'y. Cabinet Minister Dr. Harak Singh Rawat. This camp office has been established for providing world class biotechnology training to students, research scholars, teachers etc. The main purpose of establishing this lab here is to promote the use of advanced biotechnology and bioinformatics for the development of state and also to advance the research level to solve the biological problems. To make it large, in future this lab is planned to be shifted in Bahuwala, Dehradun whose initiatives are ongoing.

Guidelines For Project/Dissertation/Short-Term Training

INTRODUCTION

In recent decades, life science research has enabled enormous breakthroughs in our understanding of fundamental molecular and cellular processes and mechanisms of life. Knowledge about genomic organization, studies of protein-protein interactions and the characterization of molecular structures have become central in modern life science research and technology. This knowledge forms the basis of the molecular understanding of health and disease. Biotechnology has marked its presence in medical, industrial, environmental, agricultural, forensics and many more areas directly touching the lives of human beings and is making a significant difference too.

PURPOSE/ OBJECTIVE

The above program is focused to provide training in career-building topics those are normally not covered in traditional science curricula. Presented through a series of career building sessions, the topics to be discussed include effective negotiation and communication skills for the workplace, successful leadership methods for women, communicating science effectively, working in a team environment, launching and sustaining a successful career in science, establishing a strong inperson and internet presence, publishing in respected journals and writing compelling grant proposals. The sessions will be highly interactive and will also include practicing skills and role playing. Apart from International faculty, distinguished Indian guest speakers would include eminent experts from academia, scientific community, civil society organizations and government organization. A local field visit to examine some initiatives in the area would also be organized to provide first-hand experience of the subjects under consideration.

ELIGIBILITY

Applicant should be Appeared / Qualified Under Graduation/Post Graduation Degree in Microbiology/ Biotechnology/ Environmental Science/ Bioinformatics/ Life Science.

COURSE DURATION AND FEE DETAILS

S. No.	Name of Course	Course Duration	Training Fee (Rs.)			
			Candidates belongs to Uttarakhand			Other States
			Gen.	OBC	SC/ST	
1.	Dissertation Work	6 months	7000.00	6000.00	2000.00	9000.00
2.	Summer Training	3 months	3500.00	2500.00	1000.00	4500.00
3.	Short Term Training/Certificate Course	45 days	1000.00	800.00	500.00	1500.00

DATES AND VENUE

These Programs shall start on scheduled date at different laboratory of CEMB-Haldi and ACCAB- Dehradun under the supervision of respective laboratory In-charge.

CERTIFICATE

A certificate of completion will be awarded to the participants on recommendation respective lab In-charge at the end of the program.

HOW TO APPLY

Interested candidates for the above training programmes may download the application form from our official website <http://ucb.uk.gov.in> and apply in the prescribed Performa duly forwarded by the HOD/ Principal. The complete application form should be send at the address: Director, Uttarakhand Council for Biotechnology, Biotech Bhavan, Haldi, U.S. Nagar-263146, Uttarakhand. Also a scanned copy of the application should be send on the email: statebiotech@rediffmail.com

TERMS & CONDITIONS

- The topic of dissertation is allotted by the Biotech Bhavan, UCB, pertaining to various areas of life sciences.
- During the training, candidates have to work on every working day of the stipulated period of 6 days a week. Scholars and students are permitted to use canteen and library facilities of the council.

- Transportation, accommodation, contingency and other living expenditures shall be borne by the candidates.
- Strict discipline must be ensured by the candidate at all times otherwise disciplinary action shall be taken and the Training can be terminated at any time without giving any reason thereof.
- UCB has the authority of terminating the academic program if the candidate's behaviour is found unhealthy or lacking commitment.
- Council shall not provide any stipend to the candidates.
- Eligibility for certificate course is minimum final year post graduate.
- After completion of training/dissertation programme students have to submit a bound report to the concerned UCB Lab.
- Work done during training/ dissertation shall be treated as Council property. Without permission students/ candidates are not allowed to publish any data / report for personal purpose.
- Hostel and accommodation are not provided by the institution. Candidates will arrange for all by themselves at their own risk.
- Fees to be submitted through demand draft only, drawn in favour of Director, Uttarakhand Council for Biotechnology, Biotech Bhavan payable at Haldi, U.S. Nagar before 15 days of commencement of programme.
- Training fee is non-refundable.
- The fee of the candidates belonging to the poor families may be waived off by the Director, UCB on the basis of recommendations of selection committee.

Contact Information

Director

Uttarakhand Council for Biotechnology (UCB),

Biotech Bhavan, Haldi, Pantnagar, U.S. Nagar- 263146, Uttarakhand

Website: <http://www.ucb.uk.gov.in>, E-mail: statebiotech@rediffmail.com

Phone/Fax: 05944-230567



Uttarakhand Council for Biotechnology(UCB)

(Department of Biotechnology, Government of Uttarakhand)

Biotech Bhawan, Haldi-263146, U. S. Nagar, Uttarakhand



APPLICATION FORM FOR DISSERTATION / SHORT-TERM TRAINING PROGRAMME

(Candidate should fill this form in his /her own hand writing in capital letters only.
Application should be addressed to the Director and should be sent/submitted to the office)

- 1. Name of the Candidate:** _____
 - 2. Father's/Husband's Name:** _____
 - 3. Date of Birth (DD/MM/YYYY) :** _____
 - 4. Nationality: :** _____
 - 5. Sex:** _____ (Male/Female)
 - 6. Institute / College/ University:** _____
 - 7. Name of the Course(With discipline/branch/specialization) :** _____

 - 8. Year/Semester of the Course:** _____
 - 9. Subject/ area in which training is required:** _____
 - 10. Period requested for Training:**
Duration _____ to _____ (DD/MM/YYYY)
 - 11. Address for Communication:** _____

- Phone No.:** _____ **Mobile No.:** _____
- E-mail:** _____

13. Educational Qualifications (Enclose attested copies of certificates):

S. No.	Examination Passed	Board / University / Institution	Year of Passing	% Marks	Class/ Division	Major Subjects / Specialization
1						
2						
3						
4						
5						

DECLARATION

Icertify that all information supplied by me as above is true and correct to the best of my knowledge and belief. I also promise that during the training program, I will abide by the UCB rules and regulations and I shall not disclose any information of the Institute/council to the outside agency.

Date: _____

(Signature of Candidate)

Place: _____

Name _____

FORWARDED BY THE HEAD OF THE DEPARTMENT / INSTITUTION

This is to certify that:

(i) The particulars furnished by Shri/Smt./Km./Dr. _____ are correct, as per records.

(ii) There is no disciplinary proceedings either pending or contemplated against him/her.

Signature with seal

Head of Department/Institution