



USERC

Uttarakhand Science Education & Research Centre

Department of Science & Technology
Government of Uttarakhand

Hands-on-Training

On

“Microbiological Analysis of Water”

9th to 11th November, 2022

Organized by: Department of Microbiology
Dolphin (PG) Institute of Biomedical & Natural Sciences,
Manduwala, Dehradun, Uttarakhand

In Collaboration With :
Uttarakhand Science Education & Research Centre
Department of Information & Science Technology, Govt. of Uttarakhand,
EC Road, Dehradun, Uttarakhand

About the Hands-on-Training Programme :

Water is essential to life and access to safe drinking water can result in significant benefits to health. This three days Hands-on-training programme is designed to aware the learners regarding the microbiological aspect of water quality and analytical methods to test the quality of water .The participants can apply these practical skills in research and in their professional carriers as water quality analyst.

Who can apply:

Graduate and Post Graduate students of Life Sciences including Zoology, Botany, Chemistry, Biochemistry, Microbiology, Biotechnology, Immunology and students of Paramedical Sciences including Medical Lab Technology and Medical Microbiology.

About Dolphin (PG) Institute



Dolphin (PG) Institute of Biomedical and Natural Sciences is committed to academic excellence, healthy standards in co-curricular practices, socially relevant activities, and courses leading to employment and entrepreneurship for the continuous progress of the students. The Institute is affiliated to H.N.B. Garhwal Central University, Sriangar, Garhwal (Uttarakhand) and is also approved and recognized by the State Govt. of Uttarakhand. The institute is accredited by NAAC (B⁺⁺2nd cycle) and listed u/s 2(f) by UGC.

About USERC :

Uttarakhand Science Education and Research Centre (USERC) was setup in 2005 by the Department of Science and Technology, Government of Uttarakhand as an autonomous organization. It was created with the mandate to bolster scientific temperament in Uttarakhand. To this end, it has been making intensive, across-the-board efforts to support education and promote career prospects in the realms of Science and Technology. USERC is dedicated to motivating and developing academicians and students through its involvement in teaching and training students for research in science and technology, including computing. A large part of Uttarakhand consists of difficult to very difficult terrain and includes fragile ecosystems that cannot be disturbed due to ecological constraints. This has led to the state being unable to fully adopt the traditional approach for pursuing the goal of economic growth and development. Consequently, Uttarakhand lags behind many other parts of the country in the quest for growth and development. In this milieu, inculcation and nurturing of scientific temperament and technological savviness is crucial for the state being able to progress on the path of economic growth and development. USERC works towards creating the necessary infrastructure and developing meaningful programmes for the state by extensively interacting and collaborating with national and international institutions and experts. The Centre is developing a synergetic network with many academic institutions located in the state and outside. It is also conducts various outreach programmes and co-curricular activities for reaching out to the community, all across the state.



Programme Schedule:

S.No.	Resource Person	Designation	Sessions
1.	Dr. Garima Mittal	Professor, Department of Microbiology, SRHU University, Jollygrant, Dehradun	Invited lecture on water borne infections and identification. (Lecture)
2.	Dr. Shailja Pant	Professor, Department of Microbiology, Dolphin (PG) Institute of Biomedical & Natural Sciences, Dehradun	Basics of Microbiological testing of water Qualitative & Quantitative. (Lecture)
3.	Dr. Parampal Sahota	Professor, Department of Microbiology, Punjab Agriculture University, Ludhiana.	Kit based rapid detection of microbial contaminant in water. (Lecture and Demonstration)
4.	Dr. Gyanendra Awasthi	Associate Professor and Head, Department of Biochemistry, Dolphin (PG) Institute of Biomedical & Natural Sciences, Dehradun	Demonstration of BOD & COD Experiments
5.	Dr. Ashok Kumar	Associate Professor, Department of Microbiology, Dolphin (PG) Institute of Biomedical & Natural Sciences, Dehradun	Standard Plate Count (Quantitative Method (Hands on Training))
6.	Dr. Gauri Singh	Associate Professor, Department of Microbiology, Dolphin (PG) Institute of Biomedical & Natural Sciences, Dehradun	MPN Test (Hands on training) Presumptive, Confirmed and Completed Test
7.	Dr. Tripti Malik	Associate Professor, Department of Microbiology, Dolphin (PG) Institute of Biomedical & Natural Sciences, Dehradun	Membrane Filter Technique (Hands on Training)

Chief Patron:

CA Arvind Gupta,
Chairman DIBNS

Patron:

Prof. (Dr) Anita Rawat ,
Director ,USERC Dehradun , (UK)

Convener:

Dr. Shailja Pant ,
Principal & Head,
Department of Microbiology, DIBNS

Co-Convener :

Dr. O.P. Nautiyal ,
Scientist, USERC Dehradun

Co-Convener :

Dr. Gyanendra Awasthi ,
Head Department of Biochemistry, DIBNS

Co-Convener :

Dr. Bhavtosh Sharma ,
Scientist, USERC Dehradun

Organizing Committee :

Organizing Secretary :

Dr. Ashok Singh
Associate Professor
Department of Microbiology, DIBNS

Member:

Dr. Tripti Mallik Ahuja
Associate Professor
Department of Microbiology, DIBNS

Member:

Dr. Gauri Singh
Associate Professor
Department of Microbiology, DIBNS

Member:

Dr. Pankaj kumar
Associate Professor
Department of Microbiology, DIBNS



Member:

Mr. Vijay Tiwari,
Demonstrator
Department of Microbiology, DIBNS

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