

Registration Details

Send cheque/DD in Favour of 'Organising Secretary' payable at Dehra Dun

Before 25 th March 2020	After 25 th March 2020	*On the Spot
INR 200	INR 250	INR 300

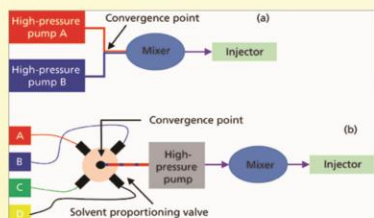
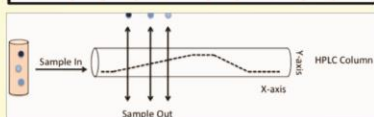
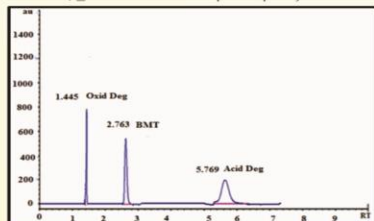
*availability of Seats

Contact :

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Mobile: 9412055368, 9719126492, 9760815149, 9319463100

Link for online Registration :

https://docs.google.com/forms/d/1HXG--GR8XhQf_hirJcFxL3Dd53w0prLXNpPVlJtK7mk/edit



Venue

Conference Hall, Dolphin PG Institute of Biomedical & Natural Sciences, Dehradun

Organizing Committee

Chief Patron: Shri Arvind Gupta, Chairman, DIBNS
Patron: Dr. Shailja Pant, Principal, DIBNS
Patron: Dr. Arun Kumar, Director, DIBNS

Convener

Dr. Versha Parcha, Professor, Department of Chemistry & Pharmaceutical Chemistry, DIBNS

Organizing Secretary

Dr. Raju, Asst. Professor, Department of Chemistry, DIBNS

Co-organizing Secretary

Dr. Rajendra Rana, Scientist, USERC, Dehradun

Treasurer

Dr. Deepak Kumar, Asst. Professor, Department of Pharmaceutical Chemistry, DIBNS

Members

Dr. Ritu Singh, Department of Pharmaceutical Chemistry, DIBNS
Mr. Uday Kumar, Department of Chemistry, DIBNS
Mr. Prabhat Kumar, Department of Chemistry, DIBNS



**Two Days National Workshop
Cum Hands on Training on**

**"HPLC
&
UV-Spectrophotometer"**

27th - 28th March 2020

In-Collaboration with
**Uttarakhand Science Education &
Research Centre, Dehradun**



Organized by
**Department of Chemistry &
Pharmaceutical Chemistry**
Dolphin (PG) Institute of Biomedical &
Natural Sciences, Dehradun- 248007

About the Institute

The Institute is affiliated to H.N.B. Garhwal Central University, Srinagar, Uttarakhand. It is also approved and recognized by the State Government of Uttarakhand, UGC, and accredited by NAAC.

The Institute is approved by Indian Association of Physiotherapies (IAP), Mumbai and National Council for Teachers Education (NCTE), Jaipur.

Dolphin (PG) Institute offers job/career oriented UGC approved courses in the field of Pharmaceutical Chemistry, Chemistry, Physics, Physiotherapy, Medical Lab Technology, Microbiology, Medical Microbiology, Botany, Zoology, Agriculture, Biotechnology, Industrial Biotechnology, Biochemistry, Forestry and Education.

Sprawling in over 7.0 acres of pure lush greenery and surrounded by a thick forest cover and captivating natural fauna and flora, the Dolphin (PG) Institute lies on the outskirts of Dehradun.

About Department of Chemistry and Pharmaceutical Chemistry

Department has well qualified faculties and equipped with spacious laboratory, set a very high standard of excellence. The department has grown technically with state-of-art laboratories, hi-tech equipments like HPLC, UV-Visible Spectrophotometer, Digital Photo Colorimeter, Dissolution apparatus, Flame Photometer, Polarimeter, Rotary evaporator, BOD Incubator, Centrifuge, Ultra Sonicator and many more other small instruments for imparting research exposure and Hands-on-Training to the students.



About Workshop

Workshop Background

Chromatography is the most widely used separation technique in chemical laboratories. It is commonly used in the chemical process industry as a component of small and large scale production for analysis isolation and purification. High performance liquid chromatography which is an advanced and sophisticated instrument, is a powerful tool in chromatographic analysis technique. Hands on training will provide exposure to the advances in the field of HPLC to the experienced analyst and both basics and practical aspects.

The UV spectroscopy (ultraviolet spectroscopy) is a physical technique of the optical spectroscopy that uses light in the visible (VIS), ultraviolet and near infrared ranges.

The measurement of a UV-VIS spectrum is recorded with a UV-VIS spectrometer, from which various devices from different manufacturers for general and specific applications are commercially available. The recorded spectra data are evaluated and interpreted. A UV / VIS absorption spectrum gives information about the electronic transitions in a molecule. The changes in electronic energy levels within the molecule arising due to transfer of electrons from π - or non-bonding orbitals. It commonly provides the knowledge about π -electron systems, conjugated unsaturations, aromatic compounds and conjugated non-bonding electron systems etc.

HPLC separation technique of the natural occurring substances, residue analysis of pesticides, drug profiling blood sample analysis, chemical analysis etc. in various Pharmaceutical, Biotechnology based ,

food and other industries and UV Spectrophotometry find a very important place in modern era of spectral techniques a basic analytical tool required in every component of analysis and from time to time new innovations are being made to make these techniques very cost effective and approachable This workshop primarily enables the participants to get hands on training on application based besides the theoretical part.

The programme will be beneficial to Graduates and Post Graduates Basic Science

- Discipline of Chemistry
- Pharmaceutical Sciences
- Food and Nutrition, Polymer Science & Agriculture Science etc.
- Life sciences researchers

PROGRAMME SCHEDULE

Day 1:

9:30 AM to 10:30 AM Registration
10:30 AM to 11:00 AM Inauguration
11:00 AM to 11:15 AM Tea and Snacks
11:15 AM to 12:15 PM Technical Session
12:15 to 1:00 PM Hands-on-training module & objective
1:00 PM to 1:30 PM Lunch
1:30 PM to 4:30 PM Practical Session-1 on Hands-on-training

Day 2:

10:00 AM to 11:00 AM Technical Session
11:00 AM to 11:30 AM Tea and Snacks
11:30 AM to 1:30 PM Practical Session-2 on Hands-on-training
1:30 PM to 2:00 PM Lunch
2:00 PM to 3:15 PM Practical Session-3 on Hands-on-training
3:15 PM to 4:30 PM Valedictory