



DEPARTMENT OF BIOLOGICAL SCIENCES UNIVERSITY OF VETERINARY AND ANIMAL SCIENCES LAHORE, PAKISTAN

No. BTNY-2483

Date: 21-12-2020

The Vice Chancellor
UVAS, Lahore

Through proper channel

Subject: **Approval to conduct one day online seminar on “Molecular identification of Lichens and their role in environmental monitoring”**

Sir,

It is submitted that one day training workshop entitled “**Molecular identification of Lichens and their role in environmental monitoring**” has been planned to be conducted in Department of Biological Sciences, Faculty of Fisheries and Wildlife, Ravi campus, Pattoki. The seminar will provide useful insight into the molecular methodologies for Lichens which are known as Pollution indicator and used as a biological tool for monitoring the environment. The training will comprise of following sessions:

1. Introduction to Lichen
2. Molecular Identification of Lichen
3. How Lichens can be used as a biological tool for monitoring the environment.

The sessions will be conducted by resource person, Dr. Memoona Khan from University of the Punjab, Lahore. Kindly approve to conduct the training on 28-12-2020 via google meet at the Department of Biological Sciences, Ravi campus, UVAS.

Thanking you in anticipation.

Forwarded
Khalid Shah
21/12/2020
o/c

[Signature]
21/12/2020

[Signature]
Dr Abdul Razaq
Assistant Professor
Department of Biological Sciences
Faculty of Fisheries and Wildlife
Ravi Campus, UVAS

**One Day Seminar
On
“Molecular identification of Lichens and their role in environmental monitoring”**

Lichen is a mutualistic partnership between a fungus and an alga or cyanobacteria. Lichens are well known as “Pollution Indicator” due to their sensitivity to air pollution, and the presence or absence of different lichens in an area has been used to map concentrations of pollutants. These living organisms are well known for their role in environmental monitoring. Moreover, some lichens are used to produce dyes, in perfume industry and can be an important food source in extreme environments. For utilizing their naturally occurring creatures, it is important to correctly identify using latest innovative molecular tools. Department of Biological Sciences, Faculty of Fisheries and Wildlife, University of Veterinary and Animal Sciences, Ravi Campus, Pattoki is going to organize a One day training workshop entitled “**Molecular identification of Lichens and their role in environmental monitoring**”

Objectives:

- To create awareness about Lichen
- Basic steps in molecular identification of Lichen
- Role of Lichen as “pollution indicator” in monitoring the environmental quality

Course Duration: One day (December 28, 2020)
Course Timing: 12:00 pm to 2:00 pm
Venue: via google meet/Department of Biological Sciences, UVAS, Ravi Campus, Pattoki
Participation: Students and Teachers working in universities and research institutions
No. of Participants: 60
Resource Persons: **Dr. Memoona Khan**
Department of Botany, University of the Punjab, Lahore
Cell: 92-321-4504294
E-mail: memoonakhan17@gmail.com

REGISTRATION FEE: Free of cost

REGISTRATION PROCEDURE: For registration, e-mail secretary of event (email address given below)

Dr. Abdul Razaq (Assistant Professor)

Chief Organizer

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Dr. Aamna Ishaq (Assistant Professor)

Secretary

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Other faculty members are member of organizing committee.