

# Seminar

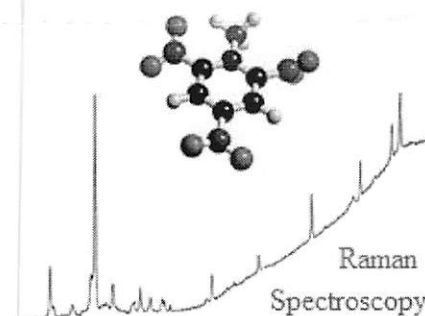
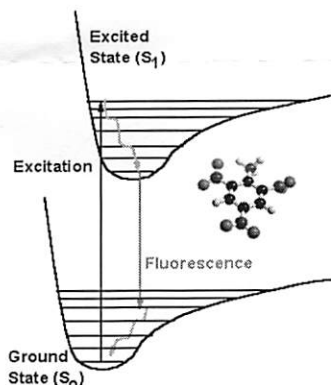
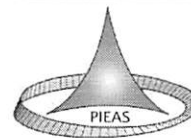


## Optical Characterization of Agri. & Biological Media

5<sup>th</sup> December 2019

Organized by

National Institute of Lasers and Optronics College,  
Pakistan Institute of Engineering and Applied Sciences, Nilore, Islamabad



### Patron-in-Chief

Mr. Liaqat Ali, CS  
DG, TNO

### Advisory Committee

Dr. Nighat Yasmin, CS  
Director, NILOP  
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Deputy Director, NILOP

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Dr. Hina Ali, PS  
Dr. Rahat Ullah, PS  
Dr. Zulfiqar Ali, PS  
Dr. Bilal Khan, PS  
Dr. Aziz ul Rehman, SS

### Key Note Speakers

Dr. M. Saleem, DCS  
Dr. Babar Manzoor Atta, PS  
Dr. Hina Ali, PS

### Speakers / Trainers

Dr. Rahat Ullah, PS  
Dr. Zulfiqar Ali, PS  
Dr. Bilal Khan, PS  
Dr. Aziz ul Rehman, SS

### Introduction

Interaction of light with biomedical samples, food products and plant leaves yield valuable information about their structure. This spectroscopic information may be used for the early diagnosis of human and plant diseases, as well as food characterization for quality assurance.

This seminar will cover the important aspects like the characterization of food & food products and authentication of food quality, along with the early detection of diseases in plants and humans. At the same time, demonstration / training will be given on Fluorescence & Raman spectrometers and Laser Scanning Confocal Microscope.

### Eligibility

Undergraduates/Graduates/Scientists/Engineers.

No TA/DA will be admissible. Tea and Lunch will be provided by NILOP.

### Registration:

Name: .....

Father's name: .....

CNIC: .....

Qualification/Position: .....

Organization: .....

Address: .....

.....

E-mail: .....

Mobile: .....

Interested in talk: Yes / No (if Yes attach abstract)

Signature (Chairman/HOD/Supervisor)/Date/Stamp.....

Passport  
size recent  
photograph

Please contact **Dr. Babar Manzoor Atta** by email to get registration form  
E-mail: [abdnilop@gmail.com](mailto:abdnilop@gmail.com), Contacts: 0333-1430701, 051-9248689, 051-9248671-4

**Application Deadline**  
**20<sup>th</sup> November, 2019**

Sponsored by Pakistan Science Foundation

