

# Workshop

on

# Analytical Instrumentation for

Students and Teachers of Himachal Pradesh.

(Online mode)

01-02 July, 2021



Organized by

**Sophisticated Analytical Instrumentation Facilities**

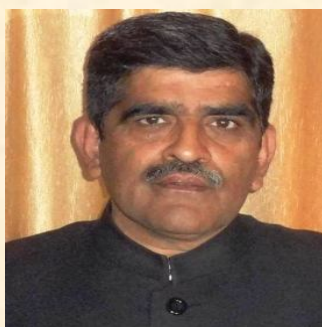
**Panjab University, Chandigarh**

and

**MLSM College, Sundernagar, (H.P.)**



**Prof. Raj Kumar**  
Vice Chancellor  
Panjab University, Chandigarh  
**Chief Patron**



**Dr. C.P. Kaushal**  
Principal, MLSM College  
Sundernagar (H.P.)  
**Patron**



**Dr. G. R. Chaudhary**  
Director, SAIF/CIL,  
Panjab University  
**Patron**



**Dr. Naresh Kumar**  
Department of Chemistry  
MLSM College, Sundernagar  
**Organizing Secretary**



**Dr. Ramesh K Sharma**  
SAIF/CIL, PU, Chandigarh  
**Convener**



**Dr. Sudhir Kumar**  
Head, Dept. of Chemistry  
MLSM College, Sundernagar  
**Convener**

**Link for Registration:** <https://forms.gle/8VcvMpQjT2scjQb88>

**Link -Attendees:**

**Day1:** <https://apjpu.webex.com/apjpu/onstage/g.php?MTID=ecc0ce688a24cce630eb3513aa55d61cf>

**Day2:** <https://apjpu.webex.com/apjpu/onstage/g.php?MTID=e866ee635928ff4742a742a1169c99b82>

**\* e-certificates will be issued to the participants attending full sessions on both days.**



# Program

01.07.2021

10.30 am	Welcome Address	Prof. G.R. Chaudhary <i>Director SAIF/CIL, PU Chandigarh</i>
10.35 am	Inaugural Address	Prof. Raj Kumar, <i>Vice-Chancellor , PU Chandigarh</i>
10.45 am	Overview of MLSM ,College Sundernagar, (H.P.)	Dr. C.P. Kaushal <i>Principal, MLSM, College, Sundernagar, H.P.</i>
10.55 am	Vote of Thanks	Dr. R K Sharma, SAIF PU Chd.
<b>Lecture Series (Day1)</b>		
11.00 am	UV -Visible Spectroscopy and Applications	Dr. Naresh Kumar MLSM, College, Sundernagar, (H.P.)
	FTIR Spectroscopy	Ms. Anjali, SAIF, PU Chandigarh
12.00	NMR Basics and Applications	Dr.Rohit Sharma, Chemistry Dept. PU Chandigarh
1.00 pm	<i>Lunch Break</i>	
2.00 pm	Virtual Lab Visit – UV Lab and FTIR Lab	Dr. Moondeep, Dr. Preeti Garg, Ms. Anjali, Mr. Harkamal Singh, SAIF, PU Chandigarh
3.30 pm	Virtual Lab Visit NMR Lab	Sh. Avtar Singh, Mr. Manish Kumar, Mr.Mainder Singh ,SAIF, PU Chandigarh

02.07.2021

<b>Lecture Series ( Day 2)</b>		
10.00 am	X-Ray Diffraction	Dr. Navneet Kaur, SAIF, PU Chandigarh
11.00 am	Electron Microscopy	Er. H P S Kang, SAIF, PU Chandigarh
<i>12.00 – 12.15 pm Break</i>		
12.15 pm	Basics of Mass Spectrometry	Dr. Ramesh Sharma, SAIF, PU Chandigarh
1.15 pm	<i>Lunch Break</i>	
2.00 pm	Virtual Lab Visit XRD Lab & SAXS Lab	Sh. Jagtar Singh, Dr. Navneet Kaur
3.00 pm	Virtual Lab Visit SEM/TEM Lab	Dr. Rajender Singh, Er. Karan Verma, Ms. Anitha, Ms. Tanvi, SAIF PU Chandigarh
4.00 pm	Virtual Lab Visit- Mass Spectrometry Lab	Mr. Anoop Patyal, Ms. Ramneek Kaur, SAIF, PU Chandigarh
5.00 pm	Concluding Remarks	Dr. Sudhir Kumar MLSM, College Sundernagar, (H.P.)