

Technical Program	
National Symposium on Laser in Biology, Medical Science, Atmospheric Science and Climate Change, Physics Department, Udai Pratap College, Varanasi	
14th-15th March 2022	
Monday 14th March.	
9.00 AM to 10.15 AM	Tea and Registration (Library Building, Udai Pratap College)
10.15 AM to 12.00 Noon	Inaugural Session and Inauguration Lecture(Library Building, Udai Pratap College) Inauguration lecture: Prof. A. K. Tyagi, VC, MGKVP, Varanasi <i>Topic: Novel Synthesis Techniques for advanced Electro Ceramic for Microwave Applications</i>
12.00 Noon to 12.30 PM	High Tea
12.30 PM - 2.00 PM Chair: Prof. P. C. Pandey, IIT, BHU	Invited Lecture Session I (Library Building, Udai Pratap College)
12.30 PM -1.15 PM	Prof. A. K. Rai, Ex-Head, Department of Physics, Allahabad University, Allahabad <i>Topic: LIBS: an overview of recent progress and future potential for biomedical Applications</i>
1.15 PM - 2.00 PM	Prof. Ranjan Kumar Singh, Physics Department, BHU, Varanasi <i>Topic: LASER: An Important Tool for Development of Raman Spectroscopy</i>
2.00 PM - 3.00 PM	Lunch/ Poster Session
3.00 PM – 5.15 PM Chair: Dr. D. K. Singh, UPC	Invited Lecture Session II (Library Building, Udai Pratap College)
3.00 PM - 3.45 PM	Prof. P. C. Pandey, Department of Physics, IIT, BHU, Varanasi <i>Topic: Study of Some Novel Crystal Fibers for Sensing Applications</i>
3.45 PM – 4.30 PM	Dr. Ashish Kumar Mishra, School of Material Science, IIT, BHU, Varanasi <i>Topic: Surface enhanced Spectroscopy : An Important Tool for Environmental Remediation</i>
4.30 PM - 5.15 PM	Dr. Sunil Kumar Singh, Department of Physics, IIT, BHU <i>Topic: Laser Spectroscopy for Biological Applications</i>
5.15 PM - 5.45 PM	Tea
Tuesday 15th March.	
9.30 AM - 10.00 AM	Tea
10.00 AM - 11.15 AM Chair: Dr. D. P. Saha, UPC	Poster Session
11.15 AM - 12.30 PM Chair: Dr. V.B. Singh, HoD, Physics	Invited Lecture Session III (Online) (15 Science Building, Udai Pratap College)
11.15 AM-12.00 NOON	Prof. Prof. R. S. Pandey, Physics Department, Amity University, Noida, <i>Topic: Whistler Mode Wave in Saturn's Magnetosphere at Different Radial Distances</i>
12.00 NOON-12.45 PM	Prof. Tapas Chakraborty <i>Topic: A Laser Based Ultra- Sensitive Absorption Method for Probing of Atmospheric HONO</i>
12.45 PM – 1.15 PM	Lunch
1.15 PM – 3.45 PM Chair: Dr. S. K. Dwivedi, UPC	Invited Lecture Session IV (Online) (15 Science Building, Udai Pratap College)
1.15 PM – 2.00 PM	Prof. Alok Chandra Gupta, Scientist - F, Aryabhata Research Institute of Observational sciences (ARIES), Nainital <i>Topic: Multi-wavelength Probe of Super Massive Black Hole (SMBH) of Blazars</i>
2.00 PM - 2.45 PM	Dr. Prashant Bhushan, IMS, BHU <i>Topic: Application of Lasers in Ophthalmology Practice</i>
2.45 PM - 3.30 PM	Prof. Sachchida Nand Tripathi, IIT, Kanpur <i>Topic :Role of Laser in Atmospheric Science and Climate Change</i>
3.45 PM – 4.45 PM	Valedictory Session (15 Science Building Udai Pratap College)