

NATIONAL SYMPOSIUM ON LASER IN BIOLOGY, MEDICAL SCIENCE, ATMOSPHERIC SCIENCE AND CLIMATE CHANGE

March 14-15, 2022

Intimation for Participation

Name:

Institution:

Address of Correspondence:

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Fax:

Tel. (O) (R)

E-mail:

I intend to participate in the National Symposium and present a paper.

Title:

.....

I need accommodation in Hostel/Guest House/Hotel.

Accompanied by (if any)

	Date and Time	Air / Train / Car
Arrival
Departure
Date:

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(Xerox the form if required by others)

Signature

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President, Governing Board
Udai Pratap (Autonomous) College, Varanasi

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Hon'ble Justice S. K. Singh
Secretary, Governing Board
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Rajarshi Udai Pratap Ju Deo Memorial

NATIONAL SYMPOSIUM ON LASER IN BIOLOGY, MEDICAL SCIENCE, ATMOSPHERIC SCIENCE AND CLIMATE CHANGE

Sponsored by:
DBT, Govt. of India, New Delhi, Under Star College Scheme (Star Status)

March 14-15, 2022



The Physics Department of Udai Pratap (Autonomous) College is organizing a two days Symposium at Varanasi on 14th & 15th March, 2022. The Symposium is going to be organized around a programme of Plenary/Invited speakers and will include contributed talks, in Hybrid Mode (OFFLINE/ONLINE). Its State of the art research coverage is designed to inform experts of the latest developments; it will also provide a valuable introduction to Applications of Laser in Biology, Medical Science, Atmosphere and Climate change for junior researchers including Post Graduate Students.

Contact E-mail Ids :

stdwivedi2001@gmail.com | dkkinghupt@gmail.com | dayanand.saha@rediffmail.com
Mob. : 9450533240 | Mob. : 7905419333 | Mob. : 9415973453



PLENARY/INVITED SPEAKERS

Prof. A. K. Tyagi, Vice Chancellor, MGKVP, Varanasi
Prof. Sachchida Nand Tripathi,
 (S.S. Bhatnagar Awardee) J C Bose National Fellow, IIT, Kanpur
Prof. A.K. Rai, Allahabad University, Prayagraj
Prof. Tapas Chakraberty, Director IACS, Jadavpur, Kolkata
Prof. Prashant Bhushan, IMS, BHU, Varanasi
Prof. Ranjan Kumar Singh, Institute of Science, BHU, Varanasi
Dr. P. C. Pandey, Dept. of Physics, IIT, BHU, Varanasi
Prof. Sanjeev Kumar Srivastava, IIT, Kharagpur
Dr. Ashish Kumar Mishra, IIT, BHU, Varanasi
Dr. Alok Chandra Gupta, (Scientist) ARIES, Mainital
Prof. Rama Shankar Pandey, Dept. of Applied Physics, Amity University, Noida
Dr. Sunil Kumar Singh, Dept. of Applied Phys., IIT, BHU

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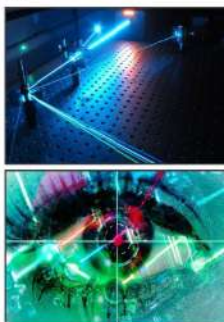
Dr. Shashi Kant Dwivedi, *Convener*
 Associate Professor, Physics Department
 E-mail: skdwivedi2001@gmail.com
Dr. Devendra Kumar Singh, *Organizing Secretary & Co Convener*
 Associate Professor, Physics Department
 E-mail: dksinghupc@gmail.com
Dr. Dayanand Prasad Saha, *Organizing Secretary & DBT Coordinator*
 Associate Professor, Physics Department
 E-mail: dayanand.saha@rediffmail.com
Dr. Tushar Kant Srivastava, *Treasurer*
 Associate Professor, Physics Department
 E-mail: tusharblp@gmail.com
Sri Pintu Kumar Yadav, *Co-Organizing Secretary*
 Assistant Professor, Physics Department
 E-mail: pintukumar08@gmail.com

The organizing committee is pleased to invite you to participate in the National Symposium on Laser in Biology, Medical Science, Atmospheric Science and Climate Change, which will be held on **14th & 15th March, 2022** (Offline/Online mode) in Physics Department, Udai Pratap (Autonomous) College Varanasi.

THE AIM OF THE SYMPOSIUM

Laser represents one of the most remarkable Scientific and Technical milestone of the 21st Century. During more than 61 years, since its development in the 1960, Laser technology has made great progress, and its many applications make it essential in everyday public life. Across multiple applications, there is a particular focus in the field of Biology, Medical Science and Atmospheric Sciences, due to their direct public interest. Lasers have been now used for various medical procedures, such as Ophthalmology (Ophthalmic Surgeries), Dermatology and Cosmetic surgery, Wound healing, Cancer therapy, and diagnosis, Nerve Stimulation, Dentistry etc. Biology and medical sciences research in the 21st Century involves Lasers in understanding how Biology-all life-works.

Spectroscopy and Lasers have revolutionized medical diagnostics by developing medical imaging Techniques etc. The DBT NATIONAL SYMPOSIUM ON LASER IN BIOLOGY, MEDICAL SCIENCE, ATMOSPHERIC SCIENCE AND CLIMATE CHANGE, provides a forum for dissemination and discussion of the latest results in the fields of chemistry, physics and their confluence with biology and medical science and atmospheric sciences. Goal of this symposium is to bring together experts in this field from amongst Laser Spectroscopists, Biophysicists, Chemists, Biological and Medical scientists, Atmospheric scientists to discuss the most recent advances with the young scientists and our post graduate students to attract bright and enthusiastic younger scientists in this interdisciplinary field.



THE MAIN THEMES OF THE SYMPOSIUM

1. Laser Spectroscopy/ Spectroscopy of Bio-molecules,
2. Science of Living System.
3. Applications of Lasers/ Laser Spectroscopy in medical sciences.
4. Atmospheric science and Climate Change,
5. Material Science and Studies on materials of public interest.

LOCATION

- Varanasi, or Banaras is one of the oldest living cities in the world. American writer *Mark Twain* wrote "*Banaras is older than history, older than tradition, older than legend and looks twice old as all of them put together*".
- Varanasi is located on the banks of the holy river "*Ganga*" and is quite popular among the tourists. It lies on the heartland of the North Indian plains. People often refer to Varanasi as "*The city of temples*", "*The holy city of india*", "*The city of lights*" and "*The city of learning*". The climatic conditions in Varanasi are most favourable for the tourists between October to April. In the second week of March the temperature normally varies between 15 to 25°C.
- Varanasi is easily accessible from all parts of the country. Very well connected by road, rail and air from other cities of India. There are direct daily flights between *Varanasi* and *New Delhi* and it takes little more than an hour.
- Varanasi has many universities/Higher Education Institutions: Banaras Hindu University (BHU), Mahatma Gandhi Kashi Vidyapeeth (MGKVP), Sampurnanand Sanskrit University, Central University of Tibetan Studies and *Udai Pratap College (An Autonomous Institutions)*. BHU is ranked among the top universities of the country in the field of academic and research output. After the BHU & UP College is the most popular institution for the science education and research in this region and situated in the North-West part of the Varanasi city.

The National Symposium is going to be organized by Physics Department, Udai Pratap College, Varanasi in the memory of its founder Revered Rajarshi Udai Pratap Singh Ju Deo and it is Sponsored by Department of Biotechnology (DBT), Govt. of India, New Delhi under Star College Scheme (Star Status).

INFORMATION FOR PARTICIPANTS

- The symposium will have three sessions of PLENARY/Invited Lectures and one session for each young scientist, oral and poster presentations. Plenary/Invited Lectures and oral presentation will have time duration of 30+5 minutes and 10+2 minutes respectively. Participants are requested to prepare their presentation on MS Power-point for LCD presentation. An area of about 1m x 1m will be provided for each poster presentation.
- An abstract of about two pages for invited lectures and 250 words for oral and poster presentation (including title, author's name affiliation and e-mail address) should be sent at e-mail: physicsupc@gmail.com
- There is no registration fees but the participants, delegates who are interested to get sovener have to pay Rs.500/- only at the fee registration counter Udai Pratap (Autonomous) College Varanasi.
- Financial assistance towards local hospitality and travel by train by shortest route may be provided to the Invited Speakers only.
- Efforts are being made to provide comfortable accommodations in Hotels and guest house for Invited speakers only. All are requested to confirm their accommodation to Dr. Dayanand Prasad Saha, E-mail: dayanand.saha@rediffmail.com, contact Mob.no. 9415373453. For Travel assistance from Airport/Railway Station kindly inform Air/Train arrival time to Dr. Dayanand Prasad Saha.