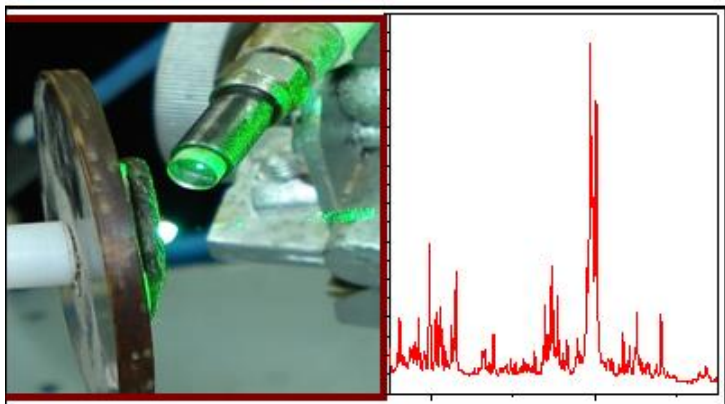


MMISLIBS-II 2018



Meghnad Saha Memorial International Symposium-cum-Workshop on **LASER INDUCED BREAKDOWN SPECTROSCOPY** February 19-21, 2018



FIRST CIRCULAR

ORGANISED BY

DEPARTMENT OF PHYSICS
(UGC CENTER OF ADVANCE STUDIES)
UNIVERSITY OF ALLAHABAD, INDIA

THEME OF THE SYMPOSIUM

The Department of Physics, University of Allahabad has been organizing annual seminar in the memory of its founder Head Prof. Meghnad Saha, FRS. The objective of the present Symposium-cum-workshop is to provide a common platform to bring researchers engaged in various applications of **Laser Induced Breakdown Spectroscopy (LIBS)** in particular and **Laser Spectroscopy & MATERIALS** in general for exchanging their ideas, which in turn, will provide guidelines for the future course of research in different fields of LIBS & Laser spectroscopy.

In the past decade Laser Induced Breakdown Spectroscopy (LIBS) has drawn much attention of the scientists working almost in every branch of science due to its unique features of real time remote determination of chemical composition of the target (whatever be its nature or physical state). The symposium will cover most of the LIBS thematic areas, ranging from fundamental studies to analytical applications and novel instrumentation.

The present Symposium-cum-Workshop will be useful to researchers and graduate students engaged in chemical, biological, agricultural, food, environmental, medical, planetary, space exploration, engineering and physical sciences. It is expected that young scientists, research scholars and students will be greatly benefited and motivated by interacting with the internationally renowned experts.

TOPICS TO BE COVERED

- ◊ **Fundamentals of LIBS**
- ◊ **LIBS Instrumentation / Commercialization**
- ◊ **Nuclear Fusion and LIBS**
- ◊ **LIBS Applications**
 - Environmental Monitoring
 - Waste Material Management
 - Cultural Heritage
 - Life Sciences
 - Quality Control and Process Analysis
 - Occupational Safety and Health Hazards
 - Military Defense/Security/Forensic
 - Industrial
 - Biomedical and Bio-Technology
 - Oceanography and Space exploration
 - Agriculture and Food science
- ◊ **Laser Ablation Techniques**
 - Nano material preparation
 - Nanoparticle- enhanced LIBS

- Thin films deposition
- ◊ **Laser Plasma Interaction**
- ◊ **Spectroscopy & Material Science**

SCIENTIFIC PROGRAMME

The scientific program is composed of Invited lectures (30 min), Oral contributions (10 min) and Poster presentations. An area of 100 cmX85 cm will be provided for each poster. There will be two specific awards for the Young Scientists below the age of 32 years.

CALL FOR PAPERS

Authors are requested to send their papers by email as an attachment, using MS Word. The length of the manuscript of contributed paper should be restricted to six pages including figures, tables, references, etc.

Abstract (maximum 300 words) may be sent by e-mail as an attachment using MS Word indicating subject category, along with a copy of filled registration form to any of the following address:-

e-mail address: mmislibs2018@gmail.com
Prof. A. K. Rai, Convener, MMISLIBS-II, 2018
Department of Physics
University of Allahabad,
Allahabad-211 002, INDIA

All submitted abstracts will be refereed by the Scientific Advisory Committee and based on their recommendations; authors will be informed about their acceptance and mode of presentation (Oral/Poster) of their papers.

FULL LENGTH PAPER

Full papers will be published in the Journal/Book after review.

GUIDELINES FOR PREPARING ABSTRACT & MANUSCRIPT

Abstract: Title, author's name, affiliation and the text should be typed in on A4 size (210mm x 297mm) paper in Times New Roman, font size 12, double line spacing, with 25mm margin on both sides. Title should be in bold letters (font size 14), names of authors and affiliation in italics and text in regular font.

Manuscript: The manuscript should be typed on paper size A4 (210mmX297mm) leaving 25mm margin on all sides, using Times New Roman. Title of the paper should be bold in font size 14 (do not underline). Names of authors with initials should be typed in capitals one space below the title in font size 12. It should be followed by affiliation and e-mail address of the corresponding author. All text should be justified. The text should start two

spaces below the address (normal font size 10, justified in 1.5 line spacing).

- Figures and tables should be suitably reduced and placed at appropriate places with numbers and captions below them.
- References should be given in the text as superscripts, numbered according to their occurrences (e.g.1, 2, 3, etc.) and listed at the end, leaving two lines after text.

ACCOMMODATION

Maximum number of participants will be accommodated in Hotels / Guest Houses / Hostels in shared rooms. Owing to shortage of accommodation, participants desirous of attending this symposium are advised to send an advance amount of Rs. 500/- towards booking of accommodation.

FINANCIAL ASSISTANCE TO STUDENTS

Financial assistance towards local hospitality and travel by train (Sleeper Class) by the shortest route can be provided to a limited number of deserving students and young scientists. Application for assistance must be accompanied with recommendation of research guide and head of the department.

REGISTRATION FEE AND INTIMATION OF PARTICIPATION

1. Students	Rs. 1000.00
2. Delegates from educational institutes & Govt. Organizations	Rs. 2000.00
3. Delegates from public sectors & industries	Rs. 3000.00
4. Foreign Students	US\$ 200.00
5. Foreign Delegates	US\$ 500.00

Registration fee along with the advance amount for booking of accommodation is payable by a **Single demand draft in favor of "MMISLIBS-II 2018"** payable at Allahabad. The demand draft along with the registration form should reach to:

Prof. Ram Kripal
Treasurer, MMISLIBS-II, 2018
Department of Physics, University of Allahabad,
Allahabad 211 002, INDIA

ABOUT THE HOST INSTITUTION

The University of Allahabad, founded in 1887, is the fourth oldest University of modern India. The Department of Physics, University of Allahabad started its journey in the field of Spectroscopy with the pioneering work of Prof. Meghnad Saha as

its founder Head and Professor of Physics in 1923. The University has preserved the experimental set up that was used to develop the *theory of thermal ionization* and to verify the famous Saha's equation.

Presently, the faculty members of physics department are working in diverse areas like Laser-Induced Breakdown Spectroscopy, Optical and Laser Spectroscopy, Plasma Physics, Nanoscience & Nanotechnology, Condensed Matter Physics, Quantum Optics and Quantum Information, Impedance Spectroscopy, Liquid Crystals, Nuclear & Particle Physics, Atmospheric and Ocean Physics. The Department is offering post graduation in Laser & Spectroscopy, Nonlinear Optics and Lasers, Nuclear & Particle Physics, Condensed Matter Physics, Electronics, and X-ray and Ion Beams.

ALLAHABAD CITY

Allahabad, 350 miles south east of Delhi, is synonymous with the old holy city 'Prayag' described in Hindu mythology and scriptures. It is situated at the confluence (Sangam) of rivers Ganga, Yamuna, and the invisible Sarasawati, where once in 12 years the greatest fair of the world, *KUMBH MELA* is held with 60 million people from different parts of the world taking holy dip in the Sangam.

This holy city is also a historian's paradise. It has a Fort and Akshayavat and it has been one the most important centers of political and literary activities in India. It also has the largest High Court of Judicature in India. Anand Bhawan (Residence of the first Prime minister Nehru), Company Bagh, now known as Chandrashekhar Azad Park, National Academy of Sciences are some of the land marks of the city.

Climate: The climate of Allahabad during February is pleasant with Temperature: ~ 15°C - 25°C.

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Dr. R.K. Anand, <i>Asst. Professor, Physics</i>	Org. Secretary
Prof. Ram Kripal, <i>Professor of Physics</i>	Treasurer

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TIME SCHEDULE (LAST DATES)

Receipt of Abstract:	Dec. 15, 2017
Receipt of manuscript:	Dec. 25, 2017
Intimation of acceptance:	Jan. 15, 2018
Submission of registration form:	Dec. 15, 2017