



DEPARTMENT OF CHEMISTRY

HANSRAJ COLLEGE
University of Delhi

organizes

National Conference

on

NEW FRONTIERS IN BIOSENSING

DATE : 3 APRIL, 2021

TIME : 10:00 AM Onwards

NATIONAL CONFERENCE ON NEW FRONTIERS IN BIOSENSING

Host Institution

Hansraj College, set up in 1948, is a “Star” accredited college under the University of Delhi. Over the years, the college has produced distinguished alumni, who have made marks in diverse fields. It has acquired for itself a position of excellence practically in all spheres of collegiate life and is a nurturing ground for an individual's holistic development to make effective contribution to the society. The college comprises of research centers for specific and interdisciplinary research. It is ranked amongst the best colleges for higher learning in Science, Liberal Arts and Commerce. The Institute offers various UG, PG and Certificate courses which are taught by well qualified and experienced faculty.

Department of Chemistry

The Department of Chemistry, Hansraj College has a learned and dedicated faculty complemented with the professional and motivated laboratory staffs. Rasayanatva, the Chemical Society under the aegis of Department of Chemistry has been propagating the interests of the students in the various chemical developments and scientific researches. It aims at building scientific interest among students by conducting regular seminars to enhance and help the students explore the interesting sides of Chemistry and vast career options that they might have in Chemistry.

About the Conference

The first use of biosensor dates back to the year 1956, where Leland C. Clark Jr, Father of biosensors used them for detection of oxygen. From then, till now a lot has been explored and added to this field. Today there is hardly any area of basic science where biosensors have not marked their presence. This can be attributed to the vast amount of research in the area of biotechnology and micro/nanotechnology. Thereby making them useful in detection of broad and wide range of analytes, gases, ions, bacteria and many more are being continuously added to the list. This conference aims on bringing the experts on a platform where they can share and guide others about the current application of biosensors. This will not only help us in understanding how they are responsible in improving the quality of life but also will help us in developing a keen interest in this field.

Following distinguished speakers have kindly consented to address the conference:

- **Dr. S P Singh**

(Principal Scientist and Associate Professor, National Physical Laboratory)

- **Dr. Pranjal Chandra**

(Assistant Professor, IIT BHU)

- **Dr. Chetna Dhand**

(Sr. Scientist, CSIR-AMPRI)

- **Dr. Tanvi Vats**

(Faculty Associate, Gautam Buddha University)

Besides, having talks on this subject by our guest speakers, there will also be an oral/poster presentation on the topics listed below:

- Green Chemistry
- Biopolymer and Bioplastics
- Green approaches to drug development
- Computational chemistry
- Biochemistry
- Future trends in biosensing
- Bioinformatics
- How did professionals in chemical enterprise combat the difficulties in pandemic period?
- Role of chemistry in fighting COVID-19
- Emerging strategies and technologies in Forensic Sciences

Call for Oral/Poster Presentations

Participants are requested to submit an Abstract (not more than 250 words) of their presentations and it should be mailed to rasayanatva.hansraj@gmail.com. The Abstract should be typed in MS Word, Times New Roman, 12 point size with single spacing on A4 size with 3 cm right and 5 cm left, 1.5 cm top and bottom margin. The name of the presenting author of the poster/oral presentation should be underlined.

Instructions for Oral/Poster Presentations

- Participants are required to send the video of their oral/poster presentation to rasayanatva.hansraj@gmail.com
- Name, email ID and institution address, contact details should be properly mentioned while sending the video through mail
- You can also upload the video to Google Drive or Microsoft One Drive and mail us the link to your file.
- Time limit: 3 minutes

Selected entries will be awarded on the basis of performance

Important Dates

Date of conference: 3rd April, 2021

Last date for submission of videos: 27th March, 2021

Last date for registration (only participation): 2nd April, 2021

Registration Form

The registration form should be filled accurately and submitted before 2nd April, 2021.

Link to the Registration Form: <https://bit.ly/3v3aFxD>

Platform

MS Teams

The link of the meeting will be mailed to all the participants a day prior to the conference.

Patron

Prof. Rama
(Principal, Hansraj College)

Organizing Secretary

Dr. Pratibha Pandey
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Program Coordinators

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Advisory Committee

Dr. Ranjana Rastogi
Associate Professor
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Dr. Shampa Bhattacharya
Associate Professor
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Dr. Renu Parashar
Associate Professor
Department of Chemistry
Hansraj College

Dr. Chetna Gupta
Assistant Professor
Department of Chemistry
Hansraj College

Dr. Taruna Singh
Assistant Professor
Department of Chemistry
Hansraj College

Dr. Parul Pant
Assistant Professor
Department of Chemistry
Hansraj College

Organizing Committee

Dr. Monica Dinodia, Assistant Professor, Hansraj College
Dr. Manoj Kumar, Assistant Professor, Hansraj College
Dr. Shailendra K. Singh, Assistant Professor, Hansraj College
Dr. Himanshu, Assistant Professor, Hansraj College
Dr. Shweta Rastogi, Assistant Professor, Hansraj College
Dr. Aparna Bansal, Assistant Professor, Hansraj College
Dr. Brijesh Rathi, Assistant Professor, Hansraj College
Dr. Ambika, Assistant Professor, Hansraj College
Dr. Amit K. Rawat, Assistant Professor, Hansraj College
Mr. Hari Mohan Meena, Assistant Professor, Hansraj College
Dr. Surendra Kumar, Assistant Professor, Hansraj College
Dr. Nidhi Rawat, Assistant Professor, Hansraj College
Dr. Sunita Gulia, Assistant Professor, Hansraj College
Dr. Indrani, Assistant Professor, Hansraj College
Dr. Sonu Kumar, Assistant Professor, Hansraj College
Dr. Gunjan Arora, Assistant Professor, Hansraj College

Student Coordinators

Ankush Paul, Prateek Jain, Vasu Mittal, Ayush Rana, Tanishka Sharma, Divjyot Singh, Kirti Kashyap 'Taijas', Prashansa, Sakshi Arya, Shreya Kukreja, Arpan Gupta, Baibhav, Yashit Verma, Jhanvi Gupta, Pragya Gambhir, Priya Rathore, Shaifali Sharma, Salony Methi

Some glimpses of the seminar "Environment and Sustainability in the Third World" conducted on 28 February, 2020 last year...



For further information:

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