DEPARTMENT OF CHEMISTRY ACTIVITIES 2019-20

The Department of Chemistry organized its annual lecture titled "Luminaries of Indian Science: Life and Work of a Few Indian Scientists" by Professor Rajeev Gupta, Professor, Department of Chemistry, Dean of Student's Welfare, Chairman NCWEB, University of Delhi on August 30, 2019. Professor Rajeev Gupta traced the trajectory of historical and contemporary issues in the life and work of a few Indian scientists.



Dr. Manjula Singh and Dr. Rajeev Gupta

Students from various Science departments visited CESCRA on September 11, 2019 to observe and learn in the soil testing laboratory, temperature gradient tunnel and Phenomics Centre. The visit was supervised by Dr. Shakeel A. Khan, Senior Scientist and Mr. Sandeep Kumar, Scientist at ICAR-IARI.



Let's Preserve the Greens: CESCRA Lab Visit



Shivajians at the Phenomics Centre

A group of 25 students along with four faculty members went to RCB, Faridabad on October 16, 2019. It was a full day visit. Students were given a lot of exposure to various instruments and devices such as Optical Microscope, Electron Microscope, Light Scattering Device, DNA Analyzer, Laser Scanning Confocal Microscope and Bioreactor.







The Department of Chemistry, Shivaji College organized its Annual Fest *Rastantrum 2019* on October 21, 2019. The chief guest, Dr. Lakshmi Raghupathy, former Director, Ministry of Environment Forests and Climate Change, Visiting Professor TERI, SAS Advisor and Consultant Sustainable Development visited the college to deliver a talk on "Climate Change Impacts and Sustainable Development Goals".



Social Change through Theatre: Nukkad Naatak

- A lecture by Prof. Rajeev Gupta on "Luminaries of Indian Science: Life and Work of a Few Indian Scientists" on August 30, 2019.
- Annual Fest "RASTANTRUM 2020" on the theme "Climate Change 2.0: Its impact on Earth and Society" on October 21, 2019.
- An Inter-college Laboratory Skill Training Programme for Assistants/Attendants in the Chemical and Life Science Laboratories from November 27 to December 3, 2019.
- A National Conference on Relationship between Chemical Science and Society RCSS -2020 from January 16-17, 2020.

Educational Visits:

- To Regional Centre for Biotechnology (RCB), Faridabad on October 16, 2019.
- To Centre for Environment Science and Climate Resilient Agriculture (CESCRA) at Nuclear Research Laboratory, Indian Agricultural Research Institute, New Delhi, on September 11, 2019, under the DBT Star College Scheme project.

Report of Webinar held on 19.09.2020

The Department of Chemistry, Shivaji College organized a Webinar on the topic "National Education Policy (NEP)-2020 for Quality Higher Education" by Professor A. K. Bakhshi. The webinar was organized under the convenorship of Dr. P. K. Sahu and guidance of Dr. Rajni Kanojia, Teacher-In-Charge of Chemistry Department. The co-convenor and host of the webinar was Dr. Richa Arora. The speaker of the talk, Professor A. K. Bakhshi is currently Vice Chancellor of PDM University, Bahadurgarh, Haryana. The event was held on 19.09.2020 (Saturday) at 04:00 PM on Zoom platform. The talk was aired live on the Facebook page of the Shivaji College. For the webinar, 771 registrations were received.

The event witnessed participation from faculty and students of various colleges/universities/ institutes across India. The participants joined the event through Zoom as well as Facebook. The event was formally inaugurated by Dr. Shiv Kumar Sahdev, Principal of Shivaji College.

The speaker for the webinar gave insights of National Education Policy (NEP)-2020, touching upon various aspects of NEP. He started from the first NEP and then moved on to the NEP 2020. He tried to explain some of the key factors of NEP and emphasized on how students and faculty can benefit from it. Professor Bakhshi reiterated on the fact that use of ICT tools and technology in education is the need of the hour. He explained how one can integrate classroom teaching with ICT tools to make it more interesting for the students.

Professor Bakhshi ended his talk by sharing some motivational quotes and videos emphasizing on the importance of hard work and perseverance.

The talk was followed by a Question/Answer session. The participants really appreciated the talk and the presentation of Professor Bakhshi and they thoroughly enjoyed it and benefitted from it, which was very clear from the comments they were posting in the chat section of Zoom app and comment section of Facebook page.

The webinar ended with a vote of thanks by the senior most faculty of the Department of Chemistry of Shivaji College, Dr. Manjula Singh.

Post Event Summary Report

Name of the Event: Webinar on "The Contribution of DRDO In Prevention And

Management of COVID-19 Pandemic" **Date of the Event:** September 26th, 2020

Platform: Zoom

Link: https://uso2web.zoom.us/j/83565375762

Meeting ID: 835 6537 5762

Number of persons participated: 170

A webinar entitled "The Contribution of DRDO In Prevention And Management of COVID-19 Pandemic" was organised by the Department of Chemistry of Shivaji College, University of Delhi for the students, scholars and teaching faculties on 26 September 2020, at 4:00 P.M on zoom platform. The webinar was open to public and approximately 170 people were in attendance. During the session attendees share their opinions, thoughts and suggestions for consideration through chat box available to them in zoom platform. The event started with the presence of Teacher Incharge Dr. Rajni kanojia. Before starting the event Saraswati Vandana was chanted with folded hands.

The Principal of the college, **Dr. Shiv Kumar Sahadev** has inaugrated the programme by his motivated speech. The event was arranged with a purpose of sharing the knowledge of contributions made by DRDO in managing and preventing the COVID-19 situations.

The Keynote speaker of the webinar was **Dr. Himanshu Ojha**, Scientist E and Joint Director at INMAS DRDO. He was welcomed by the host of the session i.e. Co-Coordinator of the webinar **Dr. Pallavi Agarwal**. She introduced him by stating all the achievements and contributions Dr. Himanshu Ojha has made in all these years. He has a long year of experience in DRDO.

OVERVIEW OF DISCUSSION:

Dr. Himanshu Ojha started the main talk by providing an overview of DRDO and its way of working and implementing things. DRDO has been on alert since the detection of the 1st case of COVID-19 in India. He also talked about various sanitizing tools that were made considering the prevailing situation in the country and whole world.

He discussed about a five layered N-99 masks which offer a much higher surface area and very fine pores to trap viruses and bacteria, Full body disinfection chambers also known as

Personnel Sanitization Equipment, which is basically a walk-through enclosure for personnel decontamination.

DRDO has also developed portable sanitization equipment for spraying decontamination solution consisting of 1% Hypochlorite (HYPO) solution for sanitization of open areas. Dr. Ojha emphasized the use of cheap chemical per chlorate acid for sanitisation rather than per iodate which is way more expensive.

He talked about vehicle sanitization equipment comprising of a fog generator and a few small innovative accessories such as a pocket sanitizer and a touch sanitizer pen which are developed to enable safe day to day work with respect to COVID-19 prevention

A UV Disinfection Tower called as "UV Blaster" is developed which can be used for rapid and chemical free disinfection of office spaces and buildings.

The speech by eminent speaker was followed up by query session which was taken up by **Dr. Shilpa Jain**; member of organizing committee. Participants raised relevant questions and shared thoughts regarding the working of DRDO in this pandemic situation as well as in general. A vote of thanks was given by the **Coordinator of the webinar**, **Dr. Anil Krishan Aggarwal**. This was followed up by providing feedback form to the participants so that they can share their views regarding the webinar to improve the sessions that will be conducted in the mere future. The overall organization and deliverance of the webinar was helpful and satisfied the participants.

Pics of webinar **Saraswati Vandana**



Inaugration by The Principal of College; Dr. Shiv Kumar Sahdev



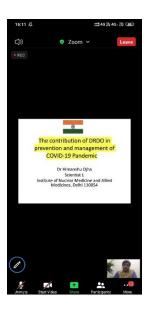








Invited Speaker







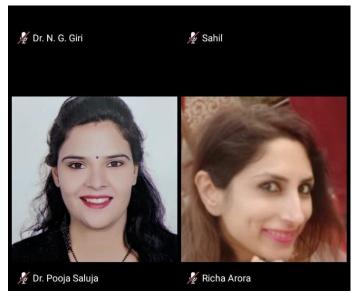






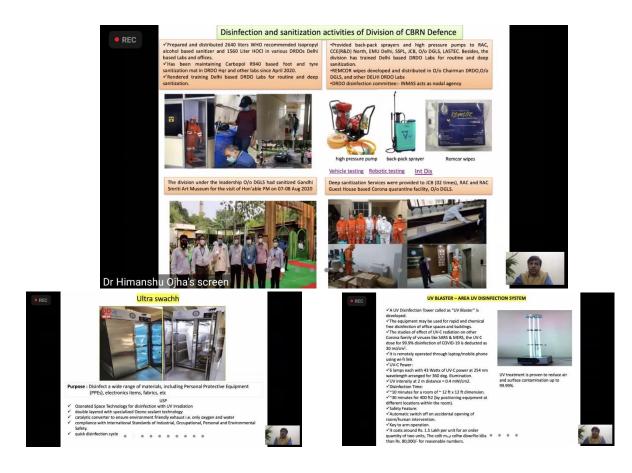




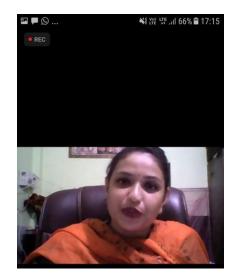








Question session





National Anthem







NAAC ACCREDITED GRADE "A"
UNIVERSITY OF DELHI



DEPARTMENT OF CHEMISTRY

Organizes

a Webinar on

National Education Policy (NEP)-2020 for Quality Higher Education

By

19 SEPTEMBER, 2020 04:00 PM Professor A. K. Bakhshi

Vice Chancellor, PDM University, Bahadurgarh

Last date of registration: 16-09-2020, 5:00 p.m.

Link for registration.

https://docs.google.com/forms/d/1ZWj_4GwbISzjsLqZQoJnU_qsYuP4XhO

w_pAvWIVTwLo/edit

Platform for Webinar: Zoom/YouTube

No Registration Fee

Teacher-In-Charge Dr. Rajni Kanojia Convenor

Dr. P. K. Sahu

Co-Convenor

Dr. Richa Arora

Patron
Dr. Shiv Kumar Sahdev
Principal



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UNIVERSITY OF DELHI



DEPARTMENT OF CHEMISTRY

Organizes

DIGITAL LOGO MAKING COMPETITION



Instructions for participants

- 1. Only single participant entries shall be allowed.
- 2. Only one entry per participant is allowed.
- 3. Logo in digital format only shall be acceptable.
- 4. Participants must submit the logo in PNG/JPEG format at mail ID: starcollegechemshc@gmail.com latest by 20.09.2020, 05:00 pm. No entries shall be accepted beyond deadline.

Link for registration:

https://docs.google.com/forms/d/16kgKA-Y9MGeWC5AMawnbztY40GNrbl_Pgi9wD1iHR10/edit

Teacher-In-Charge

Dr. Rajni Kanojia

Convenor

Dr. P. K. Sahu

Co-Convenor

Dr. Richa Arora

Patron

Dr. Shiv Kumar Sahdev Principal

Theme:
Chemistry
as a
Symbol



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UNIVERSITY OF DELHI



DEPARTMENT OF CHEMISTRY

Organizes

DIGITAL COLLAGE MAKING COMPETITION



Instructions for participants

- 1. Only single participant entries shall be allowed.
- 2. Only one entry per participant is allowed.
- 3. Collage in digital format only shall be acceptable.
- 4. Participants must submit the collage in PNG/JPEG format at mail ID: starcollegechemshc@gmail.com latest by 30.09.2020, 05:00 pm. No entries shall be accepted beyond deadline.

Link for registration:

https://docs.google.com/forms/d/1z8iuwwcJRfnVQaQra9KZIDgxargniN2BFUBA2ZYDUzl/edit

Teacher-In-Charge

Dr. Rajni Kanojia

Convenor

Dr. P. K. Sahu

Co-Convenor

Dr. Richa Arora

Patron

Dr. Shiv Kumar Sahdev Principal

Theme:
Academic
Life during
Lockdown



NAAC ACCREDITED GRADE "A"
UNIVERSITY OF DELHI
DEPARTMENT OF CHEMISTRY



under the aegis of DBT sponsored Star College Scheme

Organizes

a Webinar on

"Correlation of Environmental Chemistry in National Education Policy"



Dr. Balaram Pani
Dean of Colleges, Delhi University
Chairman GB, SOL
Director, Campus of Open Learning

27 SEPTEMBER, 2020 04:00 PM

Last date of registration. 24-09-2020, 5 p.m.

Link for registration: https://docs.google.com/forms/u/1/d/1Y_VfYbM-Jof7yMYkgeaGQO1_jahYvKOyt-kfCKpbf-U/edit

Platform for Webinar: Zoom/YouTube

No registration fee

Coordinator Convenor

Dr. Darshan Malik Dr. P. K. Sahu

Co-Convenor
Dr. Richa Arora

Patron

Dr. Shiv Kumar Sahdev

Principal



Shivaji College

NAAC Accredited Grade 'A' University of Delhi

Department of Chemistry

Presents A webinar

"The Contribution of DRDO in prevention and management of COVID-19 Pandemic"

Dr. Himanshu Ojha

Scientist E & Joint Director, INMAS DRDO

Date: 26 September 2020

Time: 4:00 PM

Platform: Zoom/You Tube

Link for Registration:

https://docs.google.com/forms/d/e/1FAIp QLSfQl9P5RX8ijplmSBFscPnJaiRSj0A9jF5G gE0aJ3bNdRtIQA/viewform?usp=sf link

> Convenor Dr. Anil Krishan Aggarwal

No Registration Fees

Last date for registration: 23 Sept 2020

E-certificates will be provided to participants.

Email Id: chemistrywithshivaji@gmail.com



Co-Convenor

Dr. Pallavi Agarwal

Patron Principal

Dr. Shiv Kumar Sahdev

Teacher In Charge Dr. Rajni Kanojia