

NAME OF THE EVENT- Two-day International webinar on 'History of Science'

DATE: 27.07.2020 and 28.07.2020

VENUE: Online on Google meet

COLLABORATOR (IF ANY): Institute of Science, Education and Culture (ISEC) and Indian Chemical Society.

NAME OF SPEAKER: List Attached

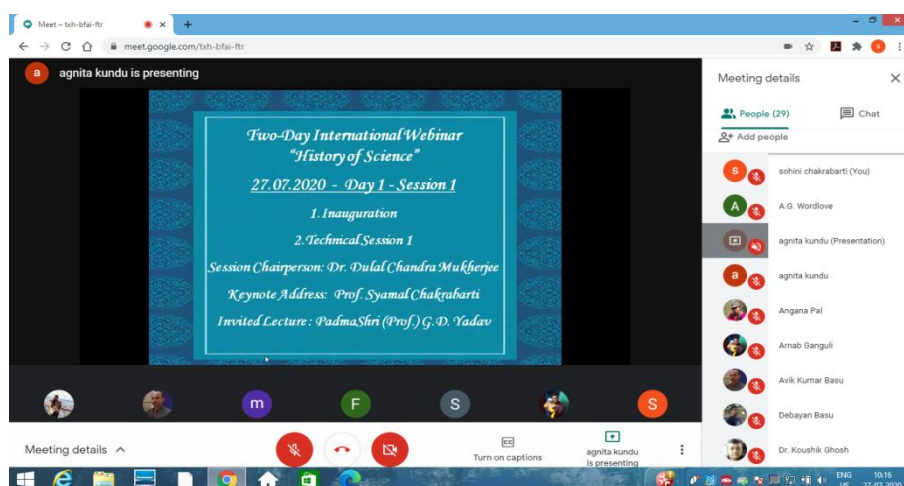
TITLE OF LECTURE: List attached

NUMBER OF PARTICIPANTS (STUDENT): 87

NUMBER OF PARTICIPANTS (TEACHERS): 84

OUTCOME/ DESCRIPTION: A two-day International webinar on 'History of Science' in collaboration with Institute of Science, Education and Culture (ISEC) and Indian Chemical Society was organized. It was attended by more than 180 registered participants including faculty, research scholars, PG and UG students. The book of abstracts was published with an ISBN No. 978-93-81042-00-7 by the collaborators ISEC. The submitted papers have been published after peer review in the September 2020, November 2020 and January 2021 issues of Indian Science Cruiser, the international journal published by ISEC (ISSN No: 0970-4256). Both the days of the seminar were graced by experts on the subject, whose deliberations consisted of the first half, while faculty, research scholars and PG students presented their papers in the second half.

PICTURES (3)



Meet - bjh-bfai-itr

meet.google.com/bjh-bfai-itr

Professor G. D. Yadav is presenting

# Change, Challenge and Opportunity: The New Trinity

Meeting details

Turn on captions

Professor G. D. Yadav is presenting

Meeting details

People (132)

Chat (1)

- Poushali Dey
- Pradyota Kumar Behera
- Pragati Shaw
- Pragya Agrawal
- Priti Singhi
- Professor G. D. Yadav
- Professor G. D. Yadav (Present...)
- Rahul Upadhyay
- Rinku Roy

Meeting details

Windows Taskbar: File Explorer, Google Chrome, Home, Mail, Calendar, Clock, Network, Volume, Language (ENG US), Time (12:18 27-07-2020)

Meet - bjh-bfai-itr

meet.google.com/bjh-bfai-itr

Kaushik Bharati is presenting

# HISTORY OF CORONAVIRUSES: PRELUDE TO THE COVID-19 PANDEMIC

**Dr. Kaushik Bharati** PhD, MIPHA, FRSPH (London)  
Advisor  
Science Advisory Board  
Arlington, Virginia, USA  
E-mail: [dr.kaushik.bharati@gmail.com](mailto:dr.kaushik.bharati@gmail.com)

Meeting details

Turn on captions

Kaushik Bharati

Meeting details

People (86)

Chat

- Jitlania barmari
- Jumi Kalita
- Kaushik Bharati
- Kaushik Bharati (Presentation)
- Krishti Bhattacharjee
- Lovely Sarkar
- madhulika ghose
- Manas Layek
- Manasi Sengupta

Meeting details

Windows Taskbar: File Explorer, Google Chrome, Home, Mail, Calendar, Clock, Network, Volume, Language (ENG US), Time (14:01 27-07-2020)

**LIST OF INVITED SPEAKERS IN TWO-DAY INTERNATIONAL WEBINAR ON  
'HISTORY OF SCIENCE'**

International Webinar on  
History of Science  
July 27-28, 2020

Department of Chemistry, Shri Shikshayatan College  
Institute of Science, Education and Culture  
Indian Chemical Society

**PROGRAMME  
SCHEDULE**

DAY 1: 27.07.2020

**SESSION 1 - MORNING (10:30 AM-1:30 PM)**

10:30 AM-11:00 AM - INAUGURAL SESSION

- Welcome Address by Dr. Aditi Dey, *Principal, Shri Shikshayatan College.*
- Inaugural Speech by Padmashri (Prof.) G.D. Yadav, *President, Indian Chemical Society, Emeritus Professor of Eminence and J C Bose National Fellow, Institute of Chemical Technology, Mumbai.*
- Inaugural Speech by Prof. Anil Kumar Ghosh, *President, Institute of Science, Education and Culture.*

11:00 AM-1:30 PM - TECHNICAL SESSION 1

*Session Chair:* Dr. Dulal Chandra Mukherjee, *Former Professor, Department of Chemistry, University of Calcutta, Formerly President and Honorary Secretary, Indian Chemical Society.*

- Keynote Address: Prof. Syamal Chakrabarti, *Professor, Department of Chemistry, University of Calcutta.*
- Invited Lecture: Padmashri (Prof.) G.D. Yadav, *President, Indian Chemical Society, Emeritus Professor of Eminence and J C Bose National Fellow, Institute of Chemical Technology, Mumbai.*
- Vote of Thanks for the Session – Smt. Sohini Chakrabarti, *Department of Chemistry, Shri Shikshayatan College.*

1:30 PM - BREAK (30 mins)

**SESSION 2 - AFTERNOON (2:00 PM - 4:30 PM)**

2:00 PM - 3:30 PM - TECHNICAL SESSION 2

*Session Chair:* Dr. Swapna Mukherjee, *Vice President, Institute of Science, Education and Culture, Formerly Director, GSI, Government of India.*

- ① Invited Lecture: Dr. Kaushik Bharati, *Advisor, Science Advisory Board, Arlington, Virginia, USA.*
- ② Invited Lecture: Prof. Santanu Das, *Professor, Department of Mechanical Engineering, Kalyani Government Engineering College.*

9

DAY 2: 28.07.2020

**SESSION 1 - MORNING (10:30 AM-12:30 PM)**

10:30 AM - 12:00 NOON - TECHNICAL SESSION 4

*Session Chair:* Prof. Syamal Chakrabarti, *Professor, Department of Chemistry, University of Calcutta.*

- ① Invited Lecture: Dr. Supratim Ghosh, *Associate Professor, Food and Bioproduct Sciences, College of Agriculture and Bioresources, University of Saskatchewan, Canada*
- ② Invited Lecture: Dr. Manas Pratim Das, *Programme Producer, All India Radio, Akashbani Bhawan, Kolkata*

NAME OF THE EVENT- Sharing of Research Experience ( Lecture -3 )

DATE: 30.01.2021

VENUE: Online on Google meet

COLLABORATOR (IF ANY): None

NAME OF SPEAKER: Dr. Subhadeep Ghosh( Guest faculty, Department of Chemistry )

TITLE OF LECTURE: Sharing of Research Experience

NUMBER OF PARTICIPANTS (STUDENT): 30

NUMBER OF PARTICIPANTS (TEACHERS): 4

OUTCOME: To introduce students to various aspects of research work and inculcate an interest in the same

PICTURES (2)

**Research Work:**

1. Transition Metal Catalysed C-H bond activation reaction.
2. DROC reaction of Donor-Acceptor Cyclopropanes and synthesis of N-heterocycles.

meet.google.com is sharing your screen. Stop sharing Hide

Activate Y Go to PC set You

**Model Reaction**

**The Screened Ligands and Conventional Additives**

ethylene glycol dimethyl ether, bisoxazolone, 1,2-diphenylethane glycol, calcium, p-quinone, naphthalene, 1,5-Cyclooctadiene, 1,3-Bis(diphenylphosphino)ethane, (dimethylamino)pyridine

**These observations strongly supported that the role of ArCH(OMe)<sub>2</sub> was not simple as a conventional ligand in the remarkable catalysis approach**

**Different Pt<sup>IV</sup>-compounds such as PtCl<sub>4</sub>, H<sub>2</sub>PtCl<sub>6</sub> or PtCl<sub>2</sub> did not promote the formation of desired product**

meet.google.com is sharing your screen. Stop sharing Hide

Activate Y Go to PC set You subhade... Arpita Das subhade...

NAME OF THE EVENT- Webinar on Intellectual Property Rights

DATE: 21.05.2021

VENUE: Online on Google meet

COLLABORATOR (IF ANY): Central Research Committee, Shri Shikshayatan College

NAME OF SPEAKER: ShriAmiya Kumar Kalidaha, Senior Scientific Officer, DSTBT, Govt. of West Bengal

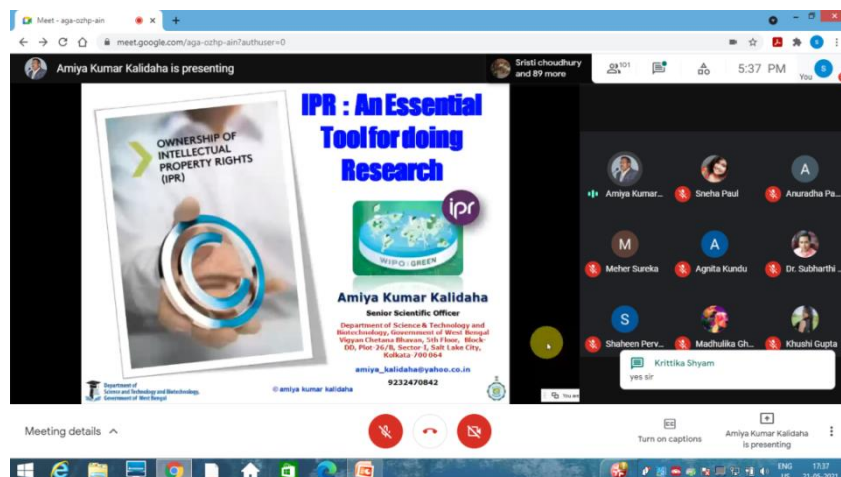
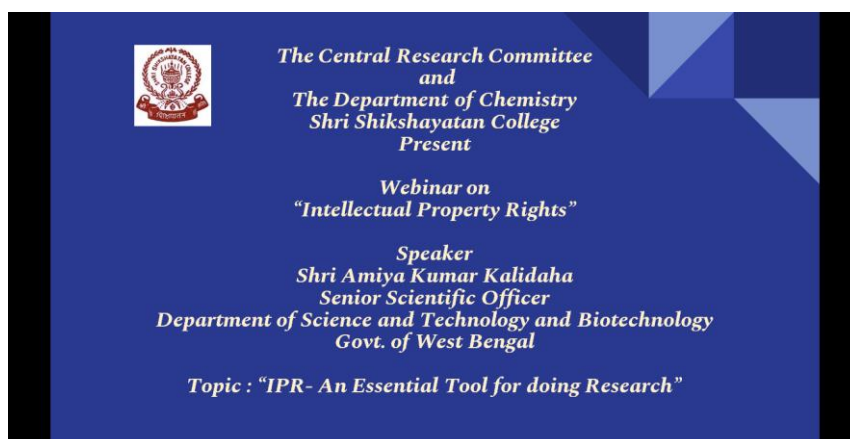
TITLE OF LECTURE: IPR-An Essential Toll for doing Research

NUMBER OF PARTICIPANTS (STUDENT): 146

NUMBER OF PARTICIPANTS (TEACHERS): 13

OUTCOME: To spread awareness amongst teachers and students about IPR

PICTURES (2)



NAME OF THE EVENT- Chemistry Research Club ( Meeting - 1 ) and release of departmental magazines “ENTROPY” 2020 and 2021 issues.

DATE: 02.06.2021

VENUE: Online on Google meet

COLLABORATOR (IF ANY): None

NAME OF SPEAKER: Presentations were given by the then 4<sup>th</sup> semester students on the scientific reviews done by them.

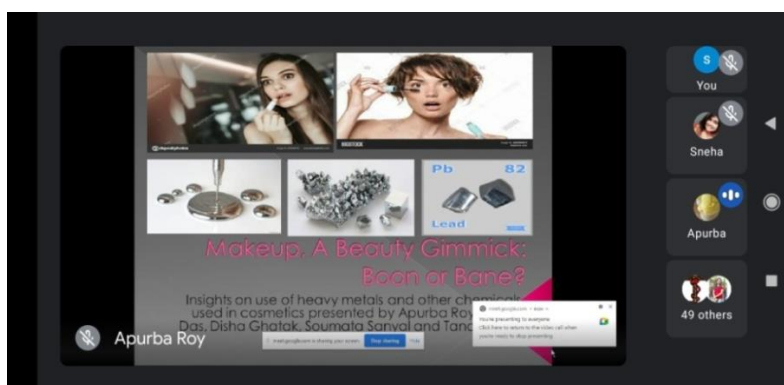
TITLE OF LECTURE: ‘MAKEUP, A BEAUTY GIMMICK: BOON OR BANE?’ and ‘HEAVY METAL CONTAMINATION IN CROPS OF WEST BENGAL’

NUMBER OF PARTICIPANTS (STUDENT): 50

NUMBER OF PARTICIPANTS (TEACHERS): 3

OUTCOME: To introduce students to methods of doing a scientific review, inculcate an interest in research and also develop the skills for giving presentations on scientific topics.

PICTURES (2)



NAME OF THE EVENT: Active Learning Day

DATE: 18.06.2021

VENUE: Online on Impartus

COLLABORATOR (IF ANY): None

NAME OF SPEAKER: Presentations were given by the students of all 3 semesters)\*

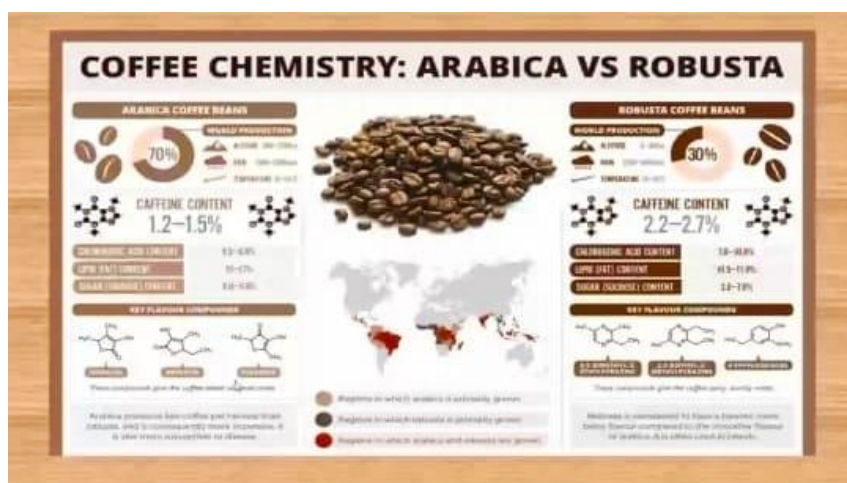
TITLE OF LECTURE: Various topics based on chemistry or popular science

NUMBER OF PARTICIPANTS (STUDENT): 34

NUMBER OF PARTICIPANTS (TEACHERS): 3

OUTCOME: Students learn how to make powerpoint presentations on scientific topics and present in front of an audience.

PICTURES (2)



## DOPAMINE - NEUROTRANSMITTER

Dopamine is a type of neurotransmitter. Your body makes it, and your nervous system uses it to send messages between nerve cells. That's why it's sometimes called a chemical messenger.

Dopamine plays a role in how we feel pleasure. It's a big part of our unique human ability to think and plan. It helps us strive, focus, and find things interesting.

It's made in the brain through a two-step process. First, it changes the amino acid tyrosine to a substance called dopa, and then into dopamine. It affects many parts of your behavior and physical functions, such as:

- \*Learnin
- \*Motivatio
- \*Heart rate
- \*Blood vessel function
- \*Lactation

**Chemical Structure:** NCCc1ccc(O)c(O)c1

**Synaptic Vesicle**  
**Dopamine**  
**Synaptic cleft**  
**Dopamine receptors**

**LIST OF PRESENTATIONS GIVEN BY STUDENTS ON ACTIVE LEARNING DAY  
(18.06.2021)**

**SEMESTER II**

<b>Name/s</b>	<b>Topic of Presentation</b>
Preeti Das and Oisee Das	Chemistry of Diamonds
Nyssa Chakraborty and SnehaBhuiya	Chemistry in chocolates
Isha Singh and TanishaSaha	Introduction to Astro-chemistry
Shivpriya Sharma and RitikaApat	Californium
PraptiGhosh	Acid rain
EeshaRahman and Pritha Das	Creation of pearls

**SEMESTER IV**

<b>Name/s</b>	<b>Topic of Presentation</b>
MousnitaPalit	Five most astounding reactions in chemistry
Sneha Paul and SoumataSanyal	The Chemistry of coffee
Sumedha Thakur	Finger print detection using chemical sciences
EramTahseen and Samiya Islam	Chemistry in paints
AditiMaiti	Chemical warfare
DishaGhatak and TanayaDey	The artificial leaf
Arpita Das and Apurba Roy	Boron chemistry and its application in cancer treatment



## SEMESTER VI

<b>Name/s</b>	<b>Topic of Presentation</b>
MitiBiswas and SoumyasreeMitra	Chemical compounds instigating our senses
RittikaChakraborty	Covid 19 and its vaccination
Pushpanjali Singh and NabilahSarfraz	Chemiluminescence and Photoluminescence
MrittikaSarkar and SinchaniDutta	History of Radioactivity
AisikaChakraborty and SrijoniDey	Chemistry of medicines
Muskaan Sharma	Boron Chemistry and its Application
SaheliMondal and Payal Das	Aspects of Periodic table