



DEPARTMENT OF BIOCHEMISTRY

Department activities (June 2022-July2023)

A National Workshop on “*Understanding qualitative analysis of carbohydrates*” was organized by Department of biochemistry, Institute of Home Economics, University of Delhi (under the aegis of IQAC and DBT Star college scheme) on 8th September, 2022 (<https://ihe.du.ac.in/department-of-biochemistry-presents-national-workshop-on-qualitative-analysis-of-carbohydrates/>). The event was attended by more than 30 students of Vivekanand college and Lakshmibai college. The students were given hands-on experience to the various experiments conducted to qualitatively analyse various carbohydrates forms. The event was appreciated a lot by the attendees. Dr Archana Burman and Dr Sandeep Yadav, Department of Biochemistry, IHE were the resource persons and other faculty members helped in organizing the event.

The poster is a vertical rectangular graphic with a light brown background. At the top, there are three logos: the University of Delhi 75th Anniversary logo (1922-2022), the Azadi Ka Amrit Mahotsav logo, and the Institute of Home Economics logo. Below the logos, the text reads: "DEPARTMENT OF BIOCHEMISTRY", "INSTITUTE OF HOME ECONOMICS, UNIVERSITY OF DELHI (UNDER THE AEGIS OF IQAC AND DBT STAR COLLEGE SCHEME)", "PRESENTS NATIONAL WORKSHOP ON 'QUALITATIVE ANALYSIS OF CARBOHYDRATES'", "Patron: Dr Geeta Trilok Kumar, Director, IHE", "Convener: Dr Archana Burman, Teacher-in-charge, Department of Biochemistry, IHE", "Organizing committee: Faculty, Department of Biochemistry, including Dr Meenakshi Vachher, Dr Nalini Moza Wali, Dr Taruna Arora, Dr Sandeep Yadav, Dr Bhupender Kumar, and Dr Savita Bansal.", "Resource Persons: Dr Archana Burman, Dr Sandeep Yadav", and "Date: 08.09.2022 (Thursday), Time: 9:00am to 4:00pm, Venue: Biochemistry lab (Lab no 10)".

DEPARTMENT OF BIOCHEMISTRY

INSTITUTE OF HOME ECONOMICS, UNIVERSITY OF DELHI
(UNDER THE AEGIS OF IQAC AND DBT STAR COLLEGE SCHEME)

PRESENTS NATIONAL WORKSHOP
ON
**"QUALITATIVE ANALYSIS OF
CARBOHYDRATES"**

Patron
Dr Geeta Trilok Kumar,
Director, IHE

Convener
Dr Archana Burman,
Teacher-in-charge
Department of Biochemistry, IHE

Organizing committee
Faculty, Department of Biochemistry
➤ Dr Meenakshi Vachher
➤ Dr Nalini Moza Wali
➤ Dr Taruna Arora
➤ Dr Sandeep Yadav
➤ Dr Bhupender Kumar
➤ Dr Savita Bansal

Resource Persons
Dr Archana Burman
Dr Sandeep Yadav

Date: 08.09.2022 (Thursday)
Time: 9:00am to 4:00pm
Venue: Biochemistry lab (Lab no 10)



1. A Seminar on “**Career perspectives in Bioinformatics**” was conducted by the department on 20th October, 2022 in the college. Dr Sandeep Dhandha, Bioinformatics research Scientist, St. Jude Children’s hospital, USA was the esteemed speaker, <https://ihe.du.ac.in/the-department-of-biochemistry-presents-career-perspectives-in-bioinformatics-by-dr-sandeep-dhandha-bioinformatics-research-scientist-st-jude-childrens-hospital-usa-on-20-10-2022/>. The seminar was attended by the various undergraduate students of the college and students gained information about the evolving subject of Bioinformatics and how an expertise in the subject can support their career in the upcoming times. Dr Dhandha answered the queries of the students and students were very satisfied with the information provided to them.



**DEPARTMENT OF BIOCHEMISTRY
INSTITUTE OF HOME ECONOMICS,
UNIVERSITY OF DELHI**



(Under the aegis of IQAC and DBT Star college scheme)
presents

CAREER PERSPECTIVES IN BIOINFOMATICS



**Dr. Sandeep Dhanda,
Bioinformatics Research Scientist,
St Jude Children's Research Hospital, USA**

**Date: 20.10.2022
Venue: Conference room, IHE
Time: 11 am onwards**

**Patron: Professor Geeta Trilok Kumar, Director, IHE
Convenor: Dr Archana Burman, Teacher-in Charge
Organizing committee: Dr Sandeep Yadav, Dr Taruna Arora, Dr Bhupender
Kumar, Dr Savita Bansal, Dr Meenakshi Vachher, Dr Nalini Moza Wali**



3. A Hands on workshop on “**Quantitative analysis of Carbohydrates**” was conducted as a part of the community outreach activity for the undergraduate students by Department of biochemistry, Institute of Home Economics, University of Delhi (under the aegis of IQAC and DBT Star college scheme) on 21st October, 2022 (<https://ihe.du.ac.in/the-department-of-biochemistry-organizes-a-hands-on-workshop-on-quantitative-analysis-of-carbohydrates/>). The event was attended by more than 30 students of Vivekanand college and Lakshmibai college. The students were given hands-on experience of the various experiments conducted to quantitatively estimate the carbohydrate content in the given unknown samples using the titrimetric method. The event was appreciated a lot by the attendees.

DEPARTMENT OF BIOCHEMISTRY
INSTITUTE OF HOME ECONOMICS,
UNIVERSITY OF DELHI
(UNDER THE AEGIS OF IQAC AND DBT STAR COLLEGE SCHEME)

ORGANIZES A HANDS ON WORKSHOP
(As a part of Community outreach activity
for undergraduate students)
**“QUANTITATIVE ANALYSIS OF
CARBOHYDRATES”**

Patron
Dr Geeta Trilok Kumar,
Director, IHE

Convener
Dr Archana Burman,
Teacher-in-charge
Department of Biochemistry, IHE

Organizing committee
Faculty, Department of Biochemistry
➤ Dr Meenakshi Vachher
➤ Dr Nalini Moza Wali
➤ Dr Taruna Arora
➤ Dr Sandeep Yadav
➤ Dr Bhupender Kumar
➤ Dr Savita Bansal

Date: 21/10/2022 (Friday)
Time: 11am onwards
Registration fees: Rs 50/-
Venue: Biochemistry lab
(Lab no 10)





4. A Faculty Development program on “**Research Ethics and Plagiarism**” was conducted on 31st October, 2022 in the college premises for the undergraduate students of the college by Prof Gaurav Singh, School of Education, Central University of Haryana (<https://ihe.du.ac.in/department-of-biochemistry-organises-a-faculty-development-program-on-research-ethics-and-plagiarism-on-31st-october-2022-at-10am/>). He emphasized on the importance of the design and implementation of research, the use of various resources and research outputs, scientific misconduct and the regulation of research. He also emphasized on the importance of how plagiarism should be avoided and the methods by which it can be assessed in the documents. The students appreciated the seminar and gave a positive response.

DEPARTMENT OF BIOCHEMISTRY
 INSTITUTE OF HOME ECONOMICS,
 UNIVERSITY OF DELHI
 (Under the aegis of IQAC and DBT Star college scheme)
 Organizes
 Faculty Development program
 on
Research Ethics and Plagiarism

Speaker



Professor Gaurav Singh,
 School of Education,
 Central University of Haryana

Patron: Professor Geeta Trilok Kumar, Director
Convenor: Dr Archana Burman
Organizing committee: Dr Sandeep Yadav, Dr Meenakshi Vachher, Dr Nalini Moza Wali, Dr Taruna Arora, Dr Bhupender Kumar, Dr Savita Bansal

Program schedule and Registration details:
 Date: 31st October 2022
 Time: 10 am onwards
 Venue: Conference room, IHE
 Registration link:
 Registration open to: Faculty, Research scholars, PG students
 Last date of Registration: 30th October (5pm)
 Certificate will be provided to all participants



5. A Capacity enhancement workshop was performed on “Data Management” on 3rd February, 2023 by Mr. Ankit Kumar, Assistant Professor, Department of Computer Science, Laxmibai College, University of Delhi (<https://ihe.du.ac.in/department-of-biochemistry-presents-a-capacity-enhancement-program-on-data-management-on-3rd-february-2023/>). The workshop was done to support the skill enhancement course of Basic IT Tools. The students from various courses of the college attended the workshop and gained insightful information about the subject.



DEPARTMENT OF BIOCHEMISTRY
INSTITUTE OF HOME ECONOMICS,
UNIVERSITY OF DELHI
(Under the aegis of IQAC)

presents

Capacity Enhancement Program
On
“Data Management”



Mr. Ankit Kumar,
Assistant Professor, Department of Computer Science
Laxmibai College, University of Delhi

Date: 03.02.2023
Venue: Conference room, IHE
Time: 9:30 am onwards

Patron: Professor Renu Arora, Director, IHE
Convenor: Dr Archana Burman, Teacher-in Charge
Organizing committee: Dr Sandeep Yadav, Dr Taruna Arora, Dr Bhupender Kumar, Dr Savita Bansal, Dr Meenakshi Vachher, Dr Nalini Moza Wali



6. An International online symposium on “**Chronobiology and mental Health**” on collaboration by the Shastri Indo Canadian Institute (SICI) was conducted online on 6th-7th March, 2023 via zoom platform. 313 participants registered for the conference. (<https://ihe.du.ac.in/departement-of-biochemistry-presents-an-online-international-symposium-on-chronobiology-and-mental-health-on-6th-7th-march-2023/>). A total of 10 resource persons from India and Canada were invited as resource persons including:

1. **Prof Nader Ghasemlou, Queen’s University, Canada**
2. **Prof Nicolas Cermakian, McGill University, Canada**
3. **Prof Floiran Storch, McGill University, Canada**
4. **Prof Vinod Kumar, University of Delhi**
5. **Prof Nar Singh Verma, KGMU, Lucknow**
6. **Prof Shalie Malik, University of Lucknow**
7. **Prof Sandipan Ray, IIT, Hyderabad**
8. **Prof Nisha Kannan, IISER, Thiruvananpuram**
9. **Prof Ramandeep, AIIMS, New Delhi**
10. **Prof Rachna Bhargava, AIIMS, New Delhi**

Various interesting and informative topics like circadian clock and cognitive performance, applications of chrono-medicine, circadian rhythms in the chronic pain, health and therapeutics, role of caffeine in sleep and circadian rhythm, circadian disruption in schizophrenia, reciprocal relationship between circadian disruption and vast majority of mental disorders like bipolar disorders, depression and anxiety were discussed. Light was also thrown on the role of clock genes, dopamine, ambient light and sleep on mood regulation. The symposium was attended by students, faculty members and doctors from all over the globe. Feedback was taken from the participants which was very encouraging. Participants greatly appreciated the resource persons and the organizing team. E-Certificates were provided to all the participants.

DEPARTMENT OF BIOCHEMISTRY,
INSTITUTE OF HOME ECONOMICS (IHE),
UNIVERSITY OF DELHI

under the aegis of IQAC, in collaboration with
SHASTRI INDO CANADIAN INSTITUTE (SICI)
presents
AN INTERNATIONAL SYMPOSIUM
on
**CHRONOBIOLOGY AND MENTAL
HEALTH**

March 6th-7th, 2023
16:00 IST onwards

Scan here to register

Last date of registration: 4th Mar, 2023

E-certificates would be provided to all the registered participants

No registration fees

Link to join shall be shared with registered participants only

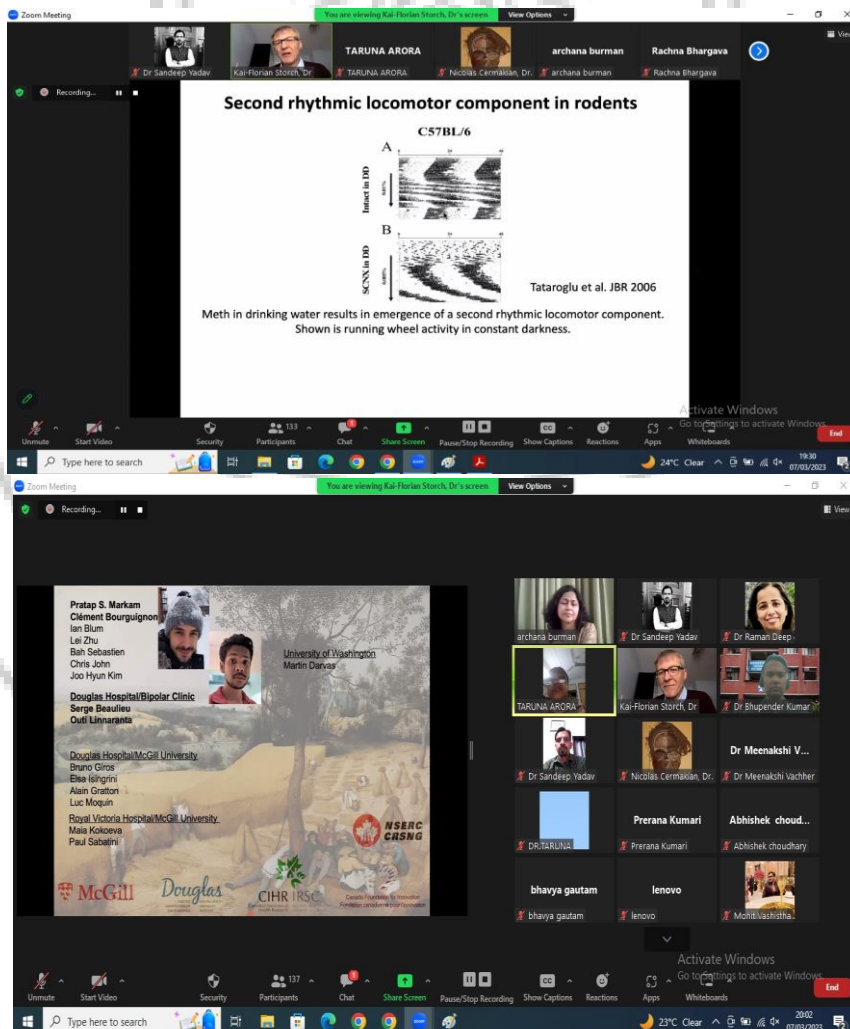
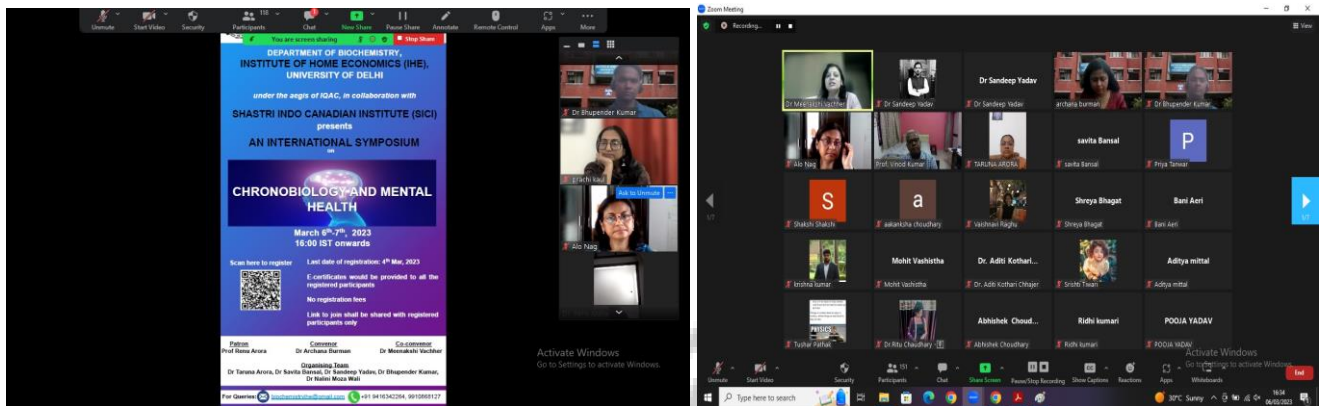
Patron
Prof Renu Arora

Convener
Dr Archana Burman

Co-convener
Dr Meenakshi Vachher

Organising Team
Dr Taruna Arora, Dr Savita Bansal, Dr Sandeep Yadav, Dr Bhupender Kumar,
Dr Nalini Moza Wali

For Queries: biochemistry@ihe@gmail.com | +91 9416342264, 9910868127



- An Intercollege **poster making competition and Quiz (Synapse 23)**, was organized by Anveshan, Biochemistry Society of IHE, on 10th April, 2023. The poster presentation was on the topic ‘Junk DNA: Is it really junk?’ and a quiz competition on general biochemistry and life sciences was

organized. The participants included the students from various colleges like Sri Venkateswara College, Deshbandhu College, Daulat Ram College, Gargi College, Ramjas College, etc from a spectrum of different departments including Biochemistry, Zoology, Food Technology, Life Science. They presented their posters in an impressive manner, effectively conveying the wealth of knowledge to the enthusiastic audience. Each presentation was followed by a rigorous round of questions by the panel of judges which included the esteemed faculty of Biochemistry, Institute of Home Economics. The poster presentation competition was concluded with the announcement of the winners for the 1st and 2nd positions with cash prizes, as well as the on-the-spot recognition of two special mentions for their outstanding performance. Additionally, all the remaining students were encouraged and commended for their efforts. The Winners of the Poster presentation competition were: 1st prize -Urvi Singh, Sri Venkateswara College, University of Delhi, 2nd prize- Ananye, Deshbandhu College, University of Delhi. For the Quiz competition the winners were: 1st prize-Enya, Rutba, Institute of Home Economics and 2nd prize -Sathi, Prateek, Deshbandhu College.



Educational visits of the students

BSc (Hons) Biochemistry Semester V students visited **National Institute of Plant Genome Research (NIPGR)** along with Dr. Sandeep Yadav and Dr. Bhupender Kumar. The students also visited **National Institute of Immunology (NII)** along with Dr. Nalini Moza Wali on 28th March 2023. Semester V students also visited the **Electron microscopy facility of All India Institute of Medical Sciences (AIIMS)** along with Dr. Meenakshi Vachher and Dr. Taruna Arora on 5th January 2023.

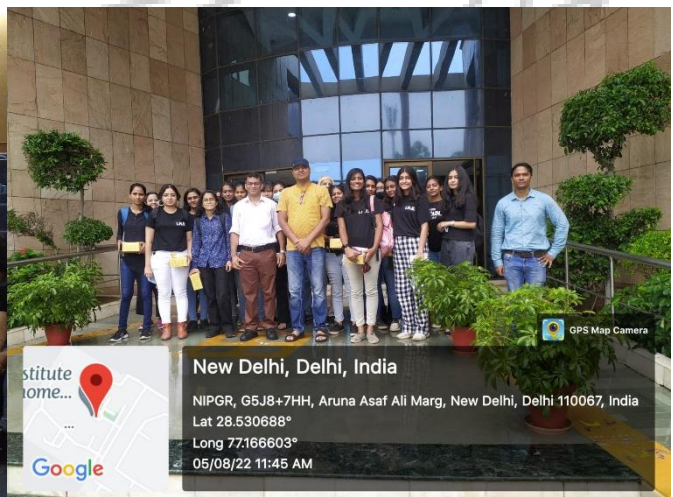
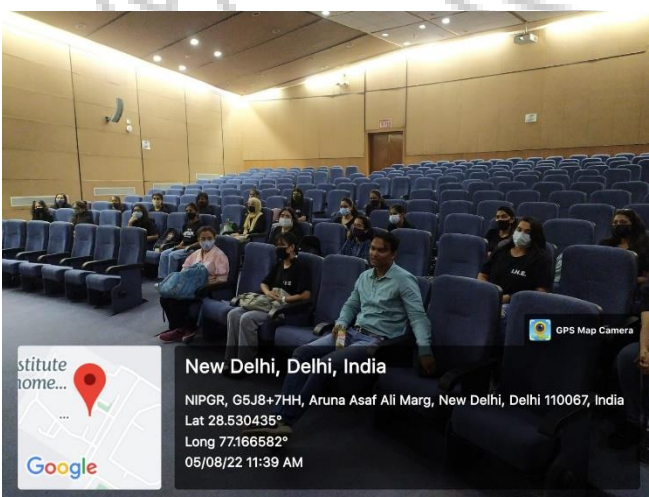
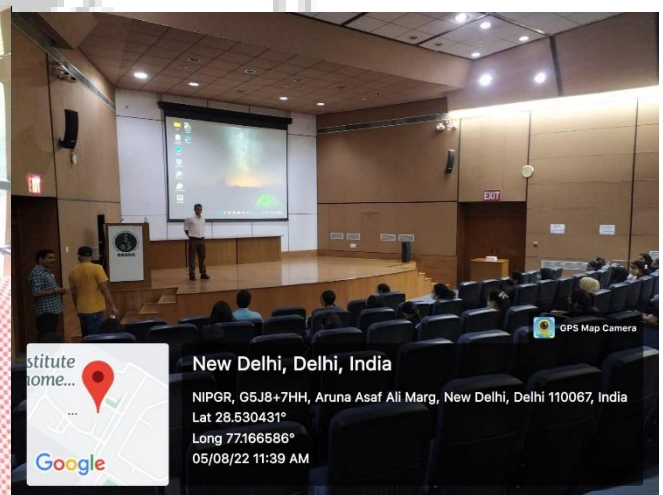
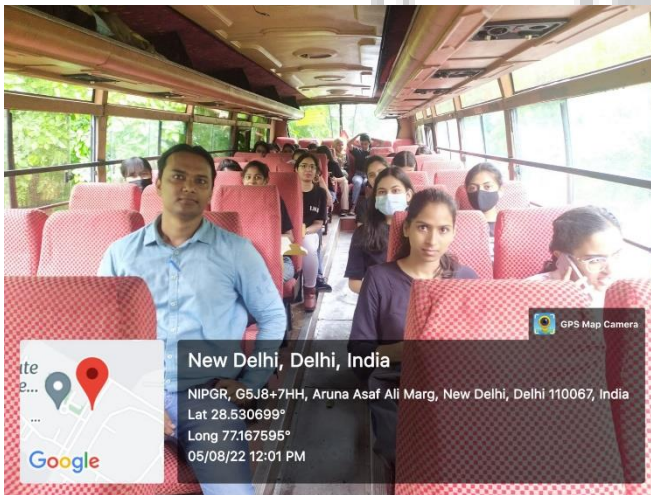
Glimpses of the visits



National Institute of Immunology



Electron microscopy facility, AIIMS



National Institute of Plant Genome Research (NIPGR)