

Department of Biomedical Science

Activities 2023-2024

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1. Hands-on Workshop on Primer Designing


A hands-on workshop on Primer Designing was organized under the annual technical fest, PLEXUS, on 7th October, 2023 in collaboration with Rapture Biotech, a biotechnology skill development company based in Noida. Mr. Mayank Bharadwaj, CEO of Rapture Biotech was the guest of honour. The workshop was conducted by Ms. Heema Pal, a trainer at Rapture Biotech. The participants learnt about the aspects of the Biotechnology industry and the utilisation of different softwares and databases to find and design primers.

- **Name of Resource Persons:** Mr. Mayank Bharadwaj, Ms. Heema Pal.
- **Participants:** 80





Shaheed Rajguru College of Applied Sciences for Women
University of Delhi
NAAC Grade A+ NIRF Ranking 32



DEPARTMENT OF BIOMEDICAL SCIENCE
CHIMERA
Under the aegis of IQAC


PLEXUS
THE ANNUAL TECH FEST


presents


**HANDS -ON WORKSHOP
ON
PRIMER DESIGNING**


in collaboration with

Register Now !!!


 7th NOVEMBER, 2023

 10:30 AM

 BMS LAB-2, SRCASW



RAPTURE
BIOTECH
Del's revolve life - An ISO Certified Company



• Participants need to carry their own laptops (preferably fully charged)
• E-certificate will provided to all participants.

REGISTRATION FEE: Rs. 100
DEADLINE: 5th NOVEMBER, 10AM

For more queries: Aakhya Verma (8924877700) Asmi Sharma (7982547498)

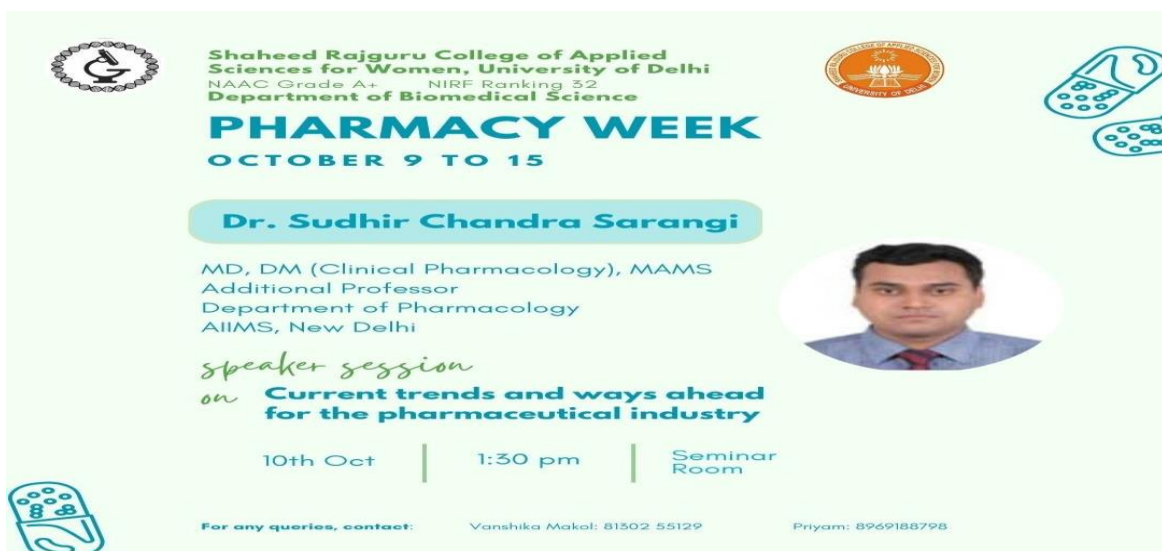
2. Pharmacy Week

Pharmacy week was organised from from 9th – 10th October, 2023. The events comprised of Inter-college debate and an Online Poster Making Competition. The topic for the debate competition was: “Doc, what pills should we pop? Should doctors prescribe generic medicine over branded medicine?” Participants highlighted key concerns, including potential allergies from non-active ingredients in generic medicines, while emphasizing the specific formulations, quality checks, trust and reliability of branded medications. The discussions encompassed critical aspects such as quality control, R&D, and the impact of lax drug regulations.

The debate was followed by a talk given by Dr. Sudhir Chandra Sarangi on the topic “Current Trends and Ways Ahead for the Pharmaceutical Industry”.

An online poster making competition was also organized under the celebration of Pharmacy Week, where students showcased their creativity and knowledge. The posters were displayed during the entire event.

- **Names of Resource Persons:** Dr. Sudhir Chandra Sarangi, MD, DM(Clinical Pharmacology) MAMS, Additional Professor, Department of Pharmacology, AIIMS, New Delhi.
- **Participants:** 90



The poster is for Pharmacy Week at Shaheed Rajguru College of Applied Sciences for Women, University of Delhi. It features a light green background with a white border. At the top left is the college logo, and at the top right is the University of Delhi logo. The text is centered and includes the event title, dates, speaker information, and contact details. There are also decorative icons of pills and a hand holding a pill.

Shaheed Rajguru College of Applied Sciences for Women, University of Delhi
NAAC Grade A+ | NIRF Ranking 32
Department of Biomedical Science

PHARMACY WEEK
OCTOBER 9 TO 15

Dr. Sudhir Chandra Sarangi

MD, DM (Clinical Pharmacology), MAMS
Additional Professor
Department of Pharmacology
AIIMS, New Delhi

speaker session
on **Current trends and ways ahead for the pharmaceutical industry**

10th Oct | 1:30 pm | Seminar Room

For any queries, contact: Vanshika Makol: 81502 55129 | Priyam: 8969188798

3. Awareness Seminar on Fatty Liver

The department of Biomedical Science in collaboration with the Institute of Liver and Biliary Sciences and Project SMiLES organised one day awareness seminar on “Fatty Liver” by Ms. Iswarya S, Project Officer, SMiLES Project, Department of Clinical Research and Epidemiology, Institute of Liver and Biliary Sciences, on 30th October, 2023.

- **Name of Resource Person:** Ms. Iswarya S, Project Officer, SMiLES Project, Department of Clinical Research and Epidemiology, Institute of Liver and Biliary Sciences.
- **Number of Participants:** 50+

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Chimera
Department of Biomedical Science
Under the aegis of IQAC

Institute of Liver and Biliary Sciences
Project SMiLES
Stronger India through a **Million Health Educated Students**

FATTY LIVER

Awareness Seminar

fill the questionnaire and register here!

healthy liver

unhealthy liver

1 in 4 Indians have Fatty Liver Disease. **Are you at risk?**

Speaker Session on
PREVENTION OF FATTY LIVER

by
Ms. Iswarya S
Project Officer, SMiLES Project
Department of Clinical Research and Epidemiology
Institute of liver and biliary sciences, Delhi

MONDAY
30 OCTOBER
2023

TIME
2 PM

VENUE
SR 2

4. Technical fest- PLEXUS

The annual technical fest was organised on the 6th and 7th November, 2023. A speaker session was held on the first day on the topic:- “Where do Zoonotic viruses come from?”. Prof. Sunit Kumar Singh, the director of Dr. B R Ambedkar Center for Biomedical Research (ACBR), University of Delhi was the speaker for the session. He explained the transmission cycles of various viruses, dead-end hosts antibody enhancement in case of dengue and the difference between generalist and specialist viruses.

The annual magazine “Biome” was released by the chief guest as well as the Bioinformatics lab of the department was officially inaugurated.

On the second day, a hands-on workshop on Primer designing was organised in collaboration with Rapture Biotech.

- **Names of Resource Persons:** Prof. Sunit Kumar Singh, Director Dr. B R Ambedkar Center for Biomedical Research (ACBR), University of Delhi, Mr. Mayank Bharadwaj, and Ms. Heema Pal.
- **Participants:** 70



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DEPARTMENT OF BIOMEDICAL SCIENCE
CHIMERA
Under the aegis of IQAC

PLEXUS
THE ANNUAL TECH FEST
presents

**SPEAKER SESSION
AND
INAUGURATION OF BIOINFORMATICS LAB**
by

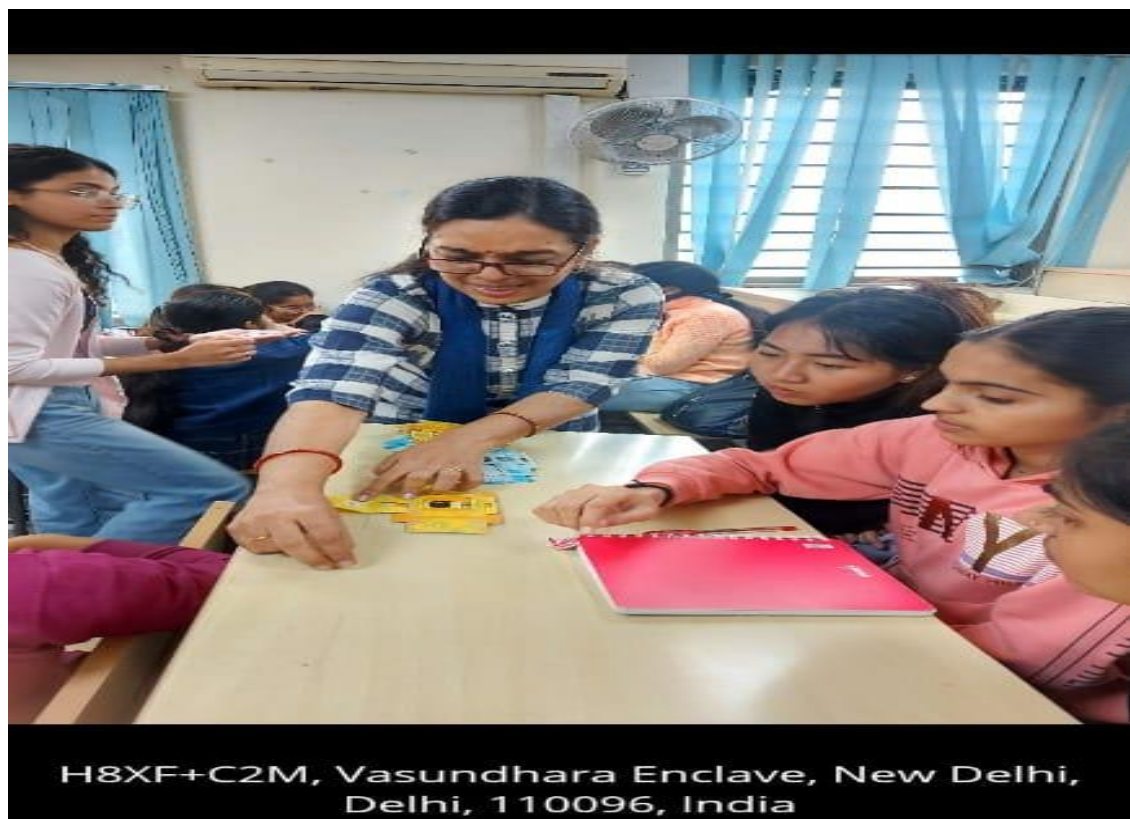
PROF. SUNIT K. SINGH
DIRECTOR
DR. B R AMBEDKAR CENTER FOR BIOMEDICAL
RESEARCH (ACBR), UNIVERSITY OF DELHI
TOPIC: WHERE DO ZOOONOTIC VIRUSES COME
FROM?

6th NOVEMBER, 2023 10:30 AM SRG, SRCASW

5. Unveiling the Microscopic World through the Eyes of a Foldscope

A hands-on workshop on Foldscope titled: - “Unveiling the Microscopic World through the Eyes of a Foldscope” was conducted on 23rd November, 2023 in the college premises by Dr. Anupma Harshal. Dr. Harshal discussed about ‘Emerging Infectious Diseases’, diseases that are already present but are coming back with a greater impact. She also explained the evolution of devices and technology in the healthcare system as well as ‘Antimicrobial Resistance’. Next in line, she demonstrated the making and use of the Foldscope, which was invented by Dr. Manu Prakash. The participants observed slides of onion, potato and pollen that they prepared on the spot.

- **Name of Resource Person:** Dr. Anupma Harshal.
- **Participants:** 60





Shaheed Rajguru College of Applied Sciences for Women
University of Delhi
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Chimera
Department of Biomedical Science

Under the aegis of IQAC
present

Frugal Innovation and Creativity
**UNVEILING THE MICROSCOPIC WORLD
THROUGH THE EYES OF A FOLDSCOPE**



with
Dr. Anupma Harshal
Woman in STEM
Consultant- Science outreach and
Public Engagement

 **THURSDAY, 23rd November, 2023**

 **TIME**
1:30 pm

 **VENUE**
SR-G

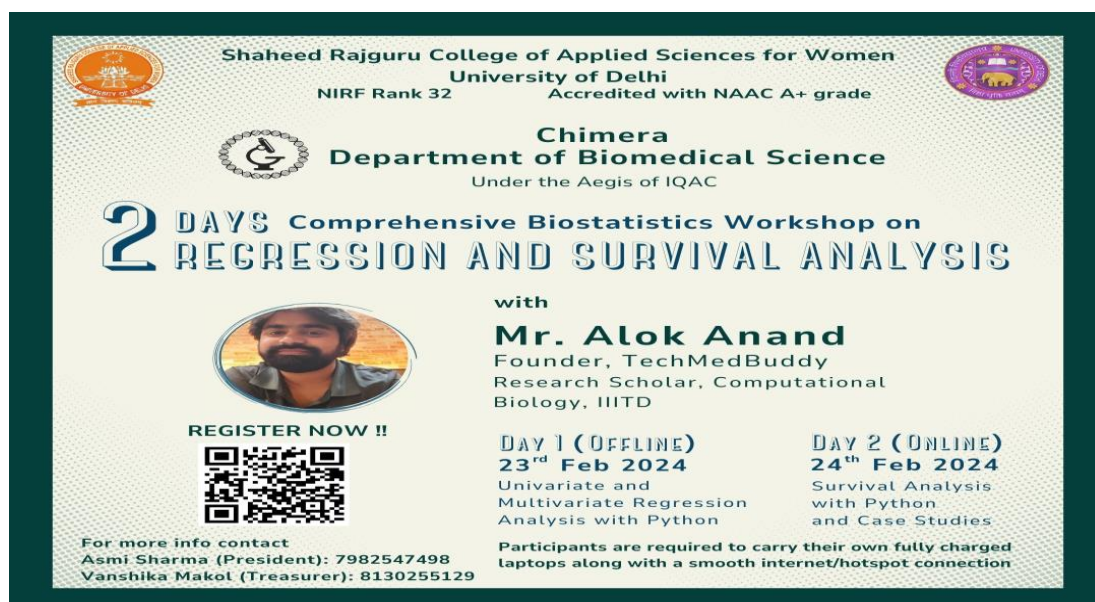


For any queries, contact: Asmi Sharma: +91 79825 47498 Ritika Sood: +91 76781 57524

6. Biostatistics Workshop on “Regression and Survival Analysis

A two days comprehensive workshop on “Regression and Survival Analysis was conducted by Mr. Alok Anand, the founder of TechMedBuddy. The workshop was conducted offline on 23rd February, 2024 in the college premises and online on 24th February, 2024. The participants got a brief introduction to Biostatistics and its methodology. In the workshop Mr. Alok taught the basics of Python including variables and their data types, different types of errors, tuples, nested conditions, different libraries and directories in Python. The participants also got a peek into various plots like box plots, density plots, scatter plots and various tests like t-test, ANOVA, f-test, etc. In the online session, he explained regression analysis and an introduction to survival analysis. The session was further joined by Ms. Shailya Verma, a PhD scholar from NCBS, Bengaluru who gave an insight into bioinformatics and its future scope.

- **Name of Resource Persons:** Mr. Alok Anand, and Ms. Shailya Verma.
- **Participants:** 85



The poster is for a two-day workshop. At the top, it identifies the host as Shaheed Rajguru College of Applied Sciences for Women, University of Delhi, with NIRF Rank 32 and NAAC A+ accreditation. The organizing department is Chimera, Department of Biomedical Science, under the IQAC. The main title is '2 DAYS Comprehensive Biostatistics Workshop on REGRESSION AND SURVIVAL ANALYSIS'. The speaker is Mr. Alok Anand, Founder of TechMedBuddy, a Research Scholar in Computational Biology at IIITD. The poster lists two days: Day 1 (Offline) on Feb 23, 2024, covering Univariate and Multivariate Regression Analysis with Python; and Day 2 (Online) on Feb 24, 2024, covering Survival Analysis with Python and Case Studies. A QR code is provided for registration, and contact information for Asmi Sharma (President) and Vanshika Makol (Treasurer) is listed. A note at the bottom states that participants must bring their own fully charged laptops and a smooth internet connection.



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