

CENTRE FOR MOLECULAR BIOLOGY



For any query Contact:

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Welcome to Centre for Molecular Biology

The Centre for Molecular Biology (CMB) aims at carrying out research in the basic as well as applied biological sciences and use this knowledge to advance our understanding of the biological world and help to improve human health. Our mission is to create a highly competitive research and teaching environment that will help the students as well the faculty members to excel in this field of biological science. The teaching fraternity of this centre is committed collectively and individually in achieving the above goals and to maintain the highest standard of teaching and research. The objectives of the Centre are to conduct high quality basic research and training in frontier areas of modern biology, and promote centralized facilities for new and modern techniques in the inter-disciplinary areas of biology.

About

Centre for Molecular Biology

Introduction

- Welcome to the Centre for Molecular Biology (CMB), Jammu.
- We are excited to present an opportunity for students who have recently cracked the GAT B exam to take admission at our prestigious institution.
- In this brochure, we will explore the key features, benefits, and reasons why you should choose CMB for your higher education in molecular biology.

About CMB

- CMB is a renowned institute committed to excellence in molecular biology education, research, and innovation.
- Our state-of-the-art facilities, cutting-edge research, and experienced faculty members make CMB an ideal place for budding scientists to thrive.
- Our goal is to provide you with a strong foundation in molecular biology and equip you with the skills necessary to make groundbreaking contributions to the field.

Programs Offered

- CMB offers a range of comprehensive programs in molecular biology, including undergraduate and postgraduate courses.
- Our curriculum is designed to provide a holistic learning experience, integrating theory, practical sessions, and research projects.
- We also offer opportunities for specialized training and internships with leading research institutions and industries.

Faculty and Research

- At CMB, you will have the privilege of learning from a distinguished faculty with expertise in various areas of molecular biology.
- Our faculty members are actively involved in cutting-edge research and have made significant contributions to the field.
- As a student, you will have the opportunity to collaborate with them, participate in research projects, and gain valuable hands-on experience.

Infrastructure

- CMB boasts state-of-the-art infrastructure, including well-equipped laboratories, advanced research facilities, and a comprehensive library.
- Our laboratories are equipped with the latest technologies and instruments necessary for molecular biology research.
- The library houses a vast collection of scientific literature, journals, and online resources, enabling you to stay at the forefront of knowledge in the field.

Career Opportunities

- A degree from CMB opens up a world of exciting career opportunities in

molecular biology.

- With the increasing demand for molecular biologists in academia, healthcare, pharmaceuticals, and biotechnology industries, your skills will be highly sought after.
- We have a strong network of industry collaborations and partnerships, providing you with excellent placement opportunities.

Research and Innovation

- CMB encourages a culture of research and innovation, where students are motivated to explore new frontiers and push the boundaries of scientific knowledge.
- Our institution supports and nurtures groundbreaking research projects, providing funding and resources to passionate students.
- You will have the opportunity to publish research papers, present at conferences, and contribute to the scientific community.

CMB Community

- Joining CMB means becoming part of a vibrant and supportive community of like-minded individuals who share your passion for molecular biology.
- Engage in stimulating discussions, collaborate on research projects, and forge lifelong connections with fellow students and faculty members.
- Our alumni network is extensive and offers mentorship, career guidance, and networking opportunities.

Conclusion

- As you embark on your journey in the world of molecular biology, the Centre for Molecular Biology, Jammu, stands as your gateway to excellence.
- We invite you to join us in this exciting adventure, where you will gain knowledge, expertise, and experiences that will shape your future.
- Do not miss this opportunity to be a part of CMB and make your mark in the field of molecular biology

Mission

- Create a highly competitive research and teaching environment
- Conduct basic as well as advance research and training in frontier areas of modern biology
- Impetus to generate a workforce that could turn into a substantially trained pool to meet the population demands.

Faculty Profile



Prof. Mushtaq Ahmed



Designation

Qualification

Research Interest

Areas of Teaching

Publication

Experience

Professor

Ph.D

Molecular Biology, Bioinformatics, Environmental, Microbiology, Bio control agents & Sustainable Agriculture

Microbiology, Environmental microbiology, Bioinformatics,

40

20+



Dr. Sawarkar



Designation

Qualification

Research Interest

Areas of Teaching

Publication

Experience

Associate Professor

M.Sc, Ph.D, Postdoc.

Human Genomics, Genetics, Genetic Disorders

Molecular Genetics, Genomics, Genetic Diagnostics

55

33 years



**Dr. Narendra Kumar
Bairwa**



Designation

Qualification

Research Interest

Areas of Teaching

Publication

Experience

Associate Professor

M.Sc, Ph.D

Cell biology

Cell Biology, Cytogenetics,
Biochemistry

30

8 years



Dr. Audesh Bhat



Designation

Qualification

Research Interest

Areas of Teaching

Publication

Experience

Assistant Professor

Ph.D., Postdoc

Genetics, Cancer biology

Molecular and cell Biology,
Genetics

45

10+ years



**Dr. Ashok Kumar
Yadav**



Designation
Qualification
Research Interest

Assistant Professor

Ph.D. Postdoc
Probiotics, Gut microbiome, Genomics,
Metabolomics, Antimicrobial resistance,
Human Health

Areas of Teaching

Cell & Molecular Biology, Genetics
Engineering, Nanobiotechnology

Publication
Experience

30
More than 10 years



**Dr. Praveen Kumar
Mehta**



Designation
Qualification
Research Interest

Professor

M Sc, Ph. D, Postdoc.
Microbial enzyme technology, Bioprocess
technology

Areas of Teaching

Enzymology, Biochemistry, Protein
Engineering, Fermentation technology

Publication
Experience

26
More than 7 years



Dr. Shelly Sehgal



Designation

Qualification

Research Interest

Areas of Teaching

Publication

Experience

Assistant Professor

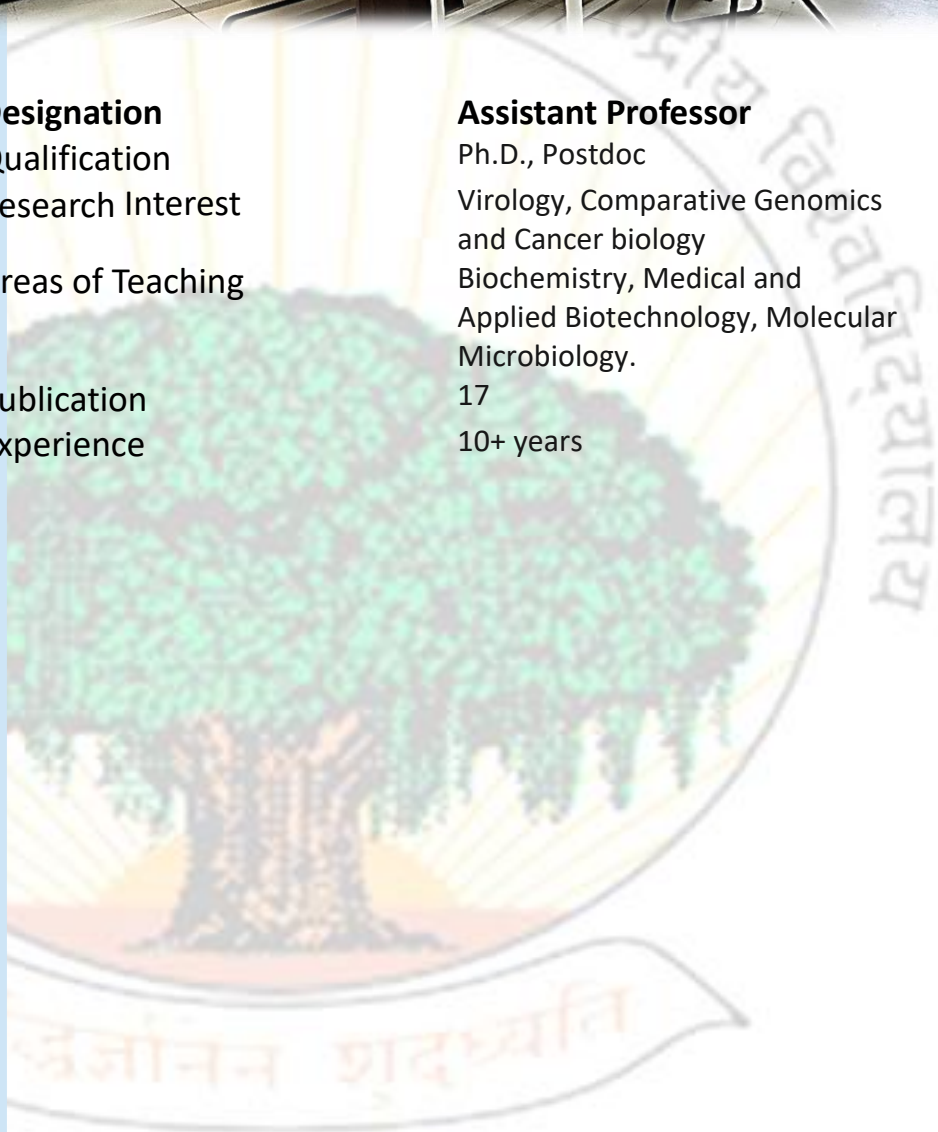
Ph.D., Postdoc

Virology, Comparative Genomics
and Cancer biology

Biochemistry, Medical and
Applied Biotechnology, Molecular
Microbiology.

17

10+ years

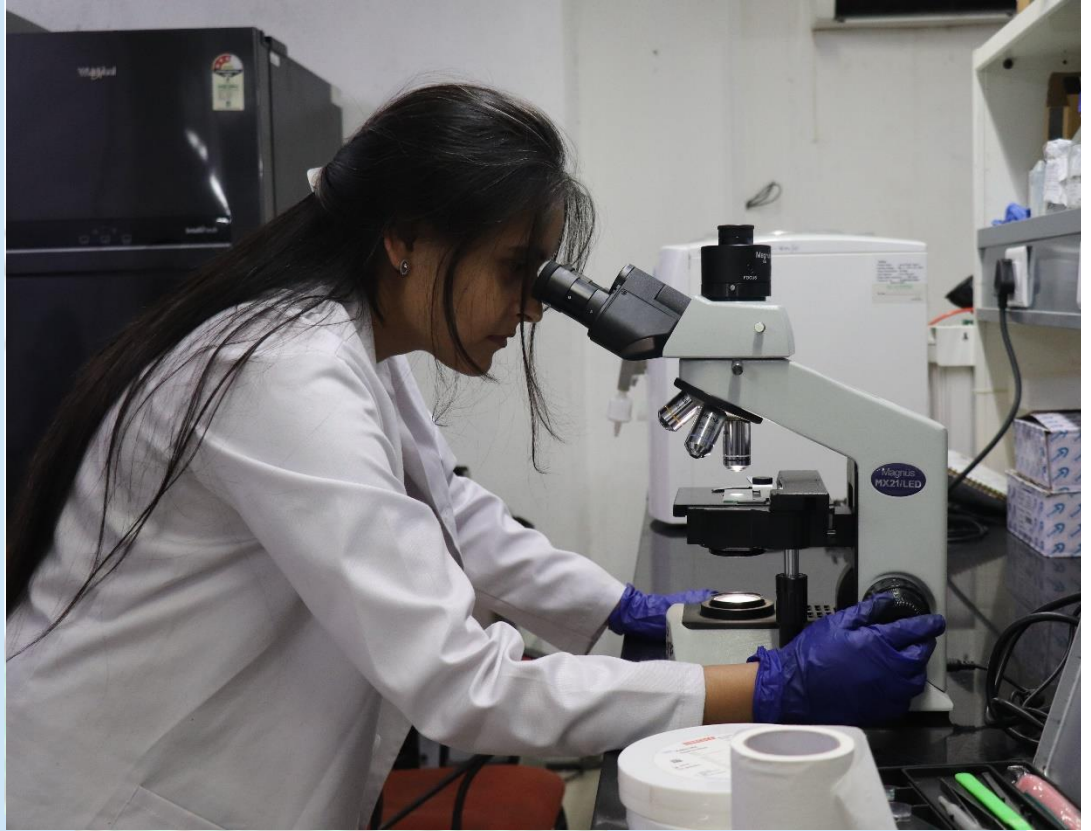


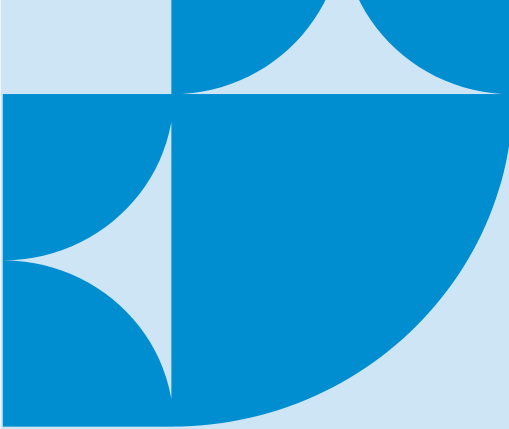
Welcome to Molecular Biology Lab

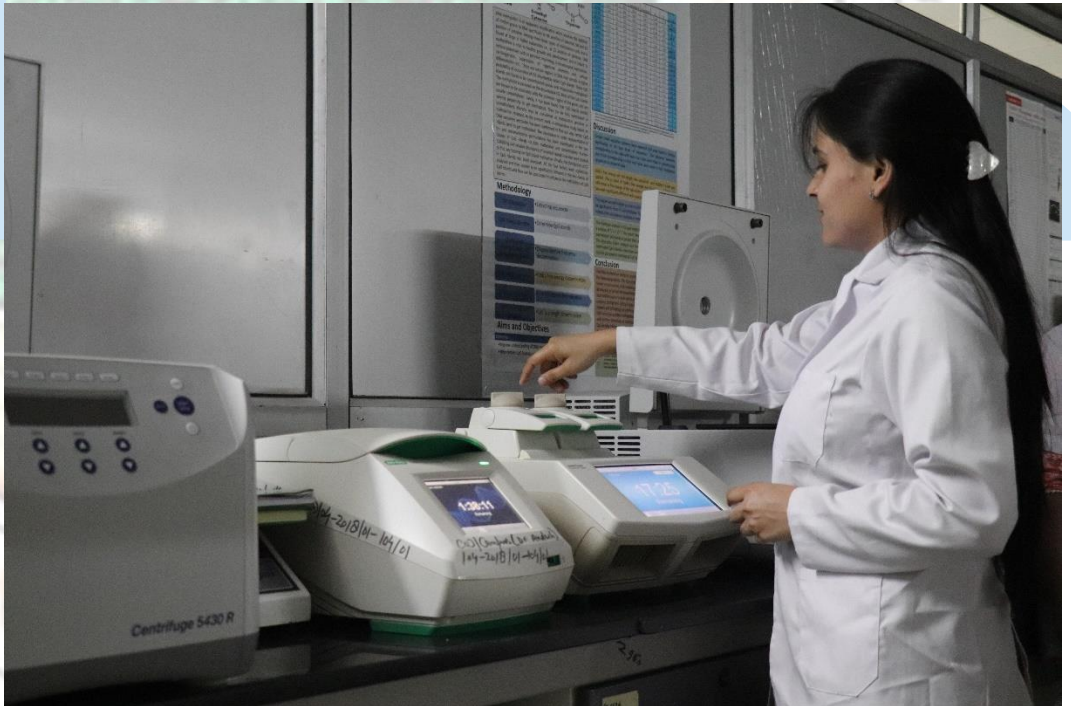
















CENTRAL UNIVERSITY



पालय

ADVISORY COMMITTEE

- Prof. H.B. Singh, Former Professor, Institute of Agri. Sciences, BHU, Varanasi
- Prof. Manoj K Dhar, Former Vice Chancellor University of Jammu
- Prof. Arvind Kumar Bhat, Dept. of Biotechnology, HPU, Shimla
- Prof. R. K. Salgotra, Head, Dept. of Biotechnology, SKUAST Jammu
- Prof. Kanti Prakash Sharma, Head, Nutrition Biology, Central University of Haryana
- Prof. Tabreiz Ahmed Khan, Faculty of life Sciences, AMU, Aligarh
- Dr. Hemalatha R., ICMR-NIN Hyderabad
- Dr. Ashok K. Mohanty, ICAR-IVRI, Mukteswar Campus, Nainital
- Dr. Yusuf Akhtar, Dept of Biotechnology, BBAU, Lucknow
- Dr. Subhankar Chatterjee, School of Life Sciences, University of Pondicherry

ORGANIZING COMMITTEE

Chief Patron

Prof. Sanjeev Jain, Vice-Chancellor

Patron

Prof. B.S. Bhau, Dean, School of Life Sciences

Convener

Prof. Mushtaq Ahmed, Director, Centre for Molecular Biology

**Co-Convener cum Organizing Secretary
Dr. Shelly Sehgal**

Organizing Secretaries

**Dr. Ashok Yadav, Dr. Parveen Mehta,
Dr. Audesh Bhat, Dr. Anjali Dhar**

**Organizing Team
Scholars (CMB)**

ABOUT CENTRAL UNIVERSITY OF JAMMU

Established under the Central Universities Act, 2009 (Act No.25 of 2009) read with the Central Universities (Amendment) Act, 2009 (Act No.38 of 2009), the Central University of Jammu came into existence on 8th August 2011 with the appointment of its first Vice-Chancellor. Presently the University is offering various Integrated UG-PG, PG and Ph.D. programs in Sciences, Social Sciences and Humanities. The campus of Central University of Jammu is located at Rahya-Suchani in District Samba, which is at an approximate distance of 25 Km from Jammu city.

ABOUT THE CENTRE FOR MOLECULAR BIOLOGY

The Centre for Molecular Biology (CMB) was established in 2016 under the School of Life Sciences. The Centre is running PG and Ph.D programmes in Biotechnology. M.Sc Biotechnology programme offered by the Centre is supported by the Department of Biotechnology (DBT), Ministry of Science & Technology, Govt. of India. Since its inception in 2016 to till date the Centre has mobilized ~5.00 crores as extramural funding from different funding agencies including DBT/ICMR/SERB/UGC and has established well equipped research labs. The Centre is determined to carry out cutting edge research and teaching and emerge as a Centre of Excellence in the frontier areas of Genetic Engineering, Microbiology, Molecular Biology, and Bioinformatics.

HOW TO REACH

Central University of Jammu is located at Rahya-Suchani in District Samba about 25 Km Jammu City.

Nearest Railway Station : **Jammu Tawi**
Nearest Bus Stand : **Jammu Bus Stand**
Nearest Airport : **Jammu Airport**

CONTACT:

9729096672, 9797673255

National Conference on Emerging Trends in Genetic Engineering & Molecular Biology [ETGMB - 2022]

28th - 29th September, 2022



Organized by:

**Centre for Molecular Biology
Central University of Jammu
(J & K)**

In Collaboration with



**J & K Science, Technology and
Innovation Council
Department of Science and Technology**



Indian Council of Medical Research - Centre for Advanced Research Central University of Jammu

Awareness Camp on Polycystic ovarian syndrome (PCOS) and Amenorrhea.

In Collaboration with ICMR-CAR SoBT SMVDU Katra, University of Jammu, University of Kashmir, Department of Obstetrics and Gynecology GMC Kathua and SMGS hospital Jammu.



Polycystic Ovarian Syndrome

Normal Ovary

Polycystic Ovary

PCOS SYMPTOMS

Androgen excess symptoms

Hirsutism

Acne

Baldness

Acanthosis nigricans

Thick pigmented skin over nape of neck, inner thigh & axilla due to insulin resistance

Next time when you see a fat young girl, don't criticize! Because she might be in need of medical help!!!

Is she gaining weight rapidly?

Is she troubled by facial hair, acne and irregular menstrual periods?

If she is married, why can't she become pregnant?

She may be a victim of **PCOS!!!!**

Let's understand this way...

Amenorrhoea

Obesity

Hirsutism

Long term risks

- Diabetes
- Heart diseases
- Hypertension
- Dyslipidemia
- Endometrial cancer
- Breast cancer
- Recurrent pregnancy loss
- Ovarian failure after surgery

God couldn't be everywhere
So He created women!

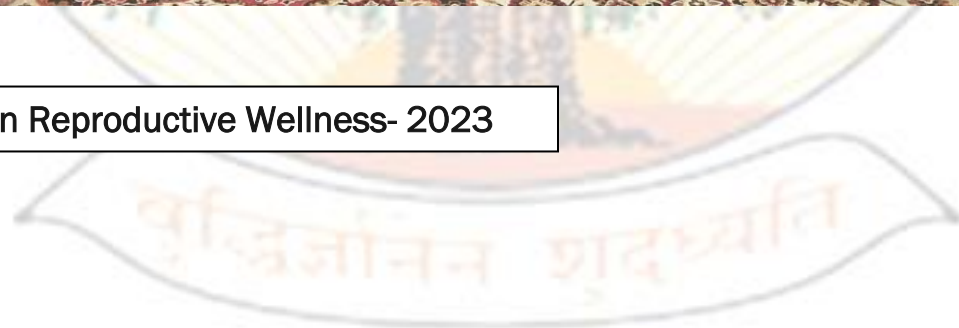
IN THE FIGHT TO WIN AGAINST PCOS

We acknowledge the Indian Council of Medical Research (ICMR),
SRINAGAR & BANGALORE for financial support.
For any Queries Please Contact:
9419276259 and 7981131925

Awareness Camp sponsored by ICMR

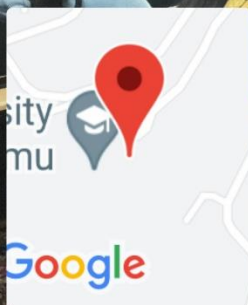


Workshop on Reproductive Wellness- 2023





GPS Map Camera



Central university of Jammu, Molecular Biology
Bagla Suchani, J2M7+P5P, 181143
Lat 32.634553°
Long 75.013494°
14/02/23 02:20 PM GMT +05:30



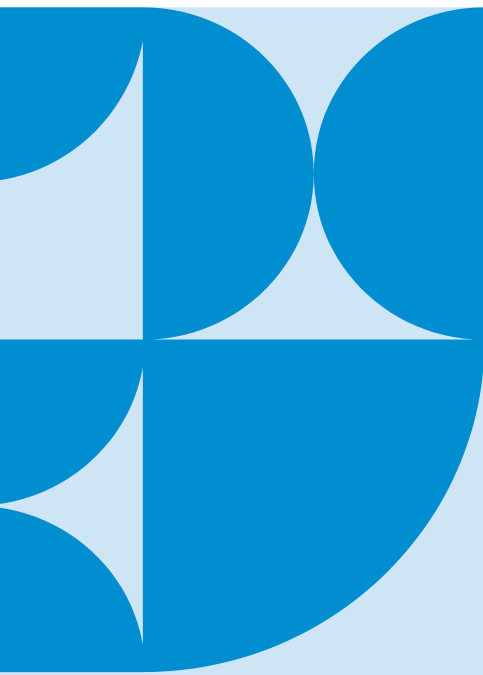
IIIM Institute Visit-2022, CMB



Industrial Visit-2021, CMB



Industrial Visit-2021, CMB



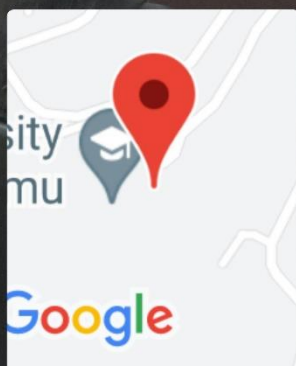
ICMR - Screening cum awareness



M.Sc. Outgoing 2nd batch



 GPS Map Ca







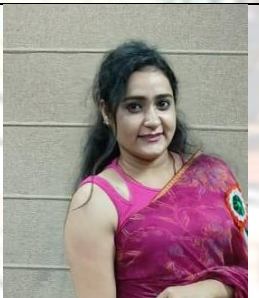

Central university of Jammu, Molecular Biolo
Bagla Suchani, J2M7+P5P, 181143




Lat 32.634553°

Long 75.013494°

14/02/23 02:30 PM GMT +05:30

List Of Research Scholars in Centre for Molecular Biology (CMB), CUJ

S.No.	Name		Research Field	Supervisor Name
1.	Shivangi		Virology (Hepatitis)	Dr. Shelly Sehgal
2.	Nabendu Debnath		Probiotics and Metabolites	Dr. Ashok Kumar Yadav
3.	Kavinay		Human genetics (Hypertension)	Dr. Audesh Bhat
4.	Jyotsna Kiran Peter		Industrial Metabolites and Enzymes	Dr. Praveen Kumar Mehta
5.	Divya Sharma		Secondary Metabolites (Trichoderma)	Prof. Mushtaq Ahmed
6.	Sonali Bhan		Molecular Genetics (Male Infertility)	Dr. Audesh Bhat

7.	Pooja Yadav		Probiotics (Extracellular Vesicles)	Dr. Ashok Kumar Yadav
8.	Manish Kumar Mishra		Head & Neck Cancer (lncRNAs)	Dr. Shelly Sehgal
9.	Arun Kumar		Prebiotics (Biopolymers)	Dr. Praveen Kumar Mehta