

GNIPST LIFE-SCIENCE BULLETIN

VOLUME 2, ISSUE 6

2025

FEATURING





Message from Director's Office

At Guru Nanak Institute of Pharmaceutical Science and Technology, our unwavering commitment to excellence in learning, research, and community engagement drives everything we do. We are dedicated to equipping our students with a strong academic foundation that seamlessly integrates core knowledge with hands-on, real-world experiences. Through the adoption of innovative educational technologies and diverse teaching approaches, we empower our students to succeed in an ever-changing global landscape. We take great pride in the GNIPST Bulletin, which continues to be a dynamic platform for celebrating our achievements, sharing important updates, and highlighting new initiatives. I warmly encourage all readers to stay connected and participate actively. Your engagement and feedback motivate us to reach new heights and make meaningful strides forward.



Prof. (Dr.) Abhijit Sengupta

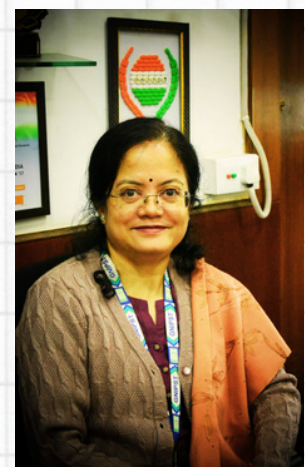
Message from Principal's Office

Warm greetings from the Department of Life Science at Guru Nanak Institute of Pharmaceutical Science and Technology!

As a leading institution in West Bengal, we are proud to offer advanced facilities, hands-on learning, and valuable internship opportunities—nurturing our students with strong academic and ethical foundations.

We're excited to present Volume 2, Issue 6 of the GNIPST Bulletin, the final issue of this volume. Thank you for your continued support and engagement—it's been a rewarding journey.

Stay connected, and we look forward to welcoming you to Volume 3 with more stories of success and inspiration!

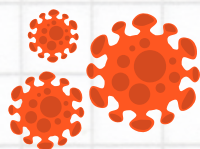


Prof. (Dr.) Lopamudra Datta



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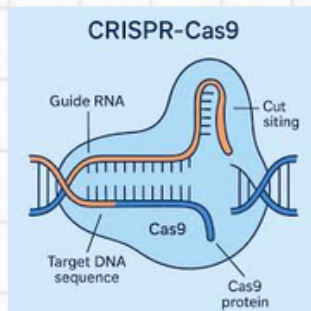
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The Science Update

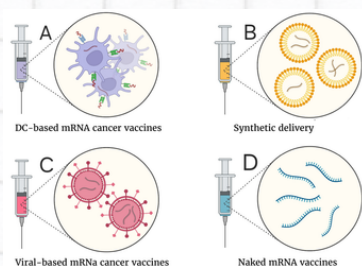
CRISPR Used for Precise Gene Correction in Human Embryos

Researchers have refined CRISPR-Cas9 technology to correct genetic mutations in human embryos without off-target effects, showing potential for preventing inherited diseases like β -thalassemia and sickle cell anemia.



To know more : <https://pmc.ncbi.nlm.nih.gov/articles/PMC10980556/>

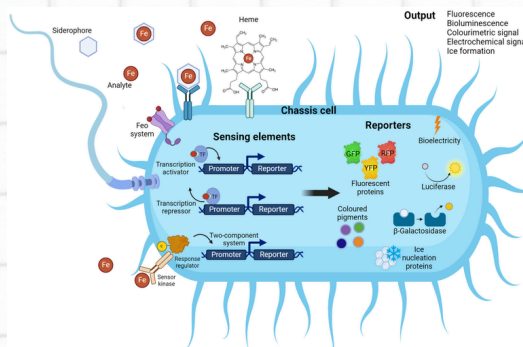
mRNA Vaccine Technology Extended to Cancer Treatment



Building on COVID-19 vaccine tech, personalized mRNA vaccines are now in Phase II trials for melanoma and pancreatic cancer, stimulating the immune system to target tumor-specific mutations.

To know more : <https://pmc.ncbi.nlm.nih.gov/articles/PMC11978394/>

Synthetic Biology Enables Living Sensors for Pollution



Engineered microbes are being developed as living biosensors that glow in the presence of environmental pollutants (e.g., heavy metals, microplastics), aiding real-time ecological monitoring.

To know more : <https://pmc.ncbi.nlm.nih.gov/articles/PMC7901896/>



The Campus Pulse

Event Spotlight

Faculty members of GNIPST showcased the institute at various Education Expos organised by JIS Group receiving an enthusiastic response for both Life Science and Pharmacy courses.



GNIPST Shines at JIS Education Expos

GNIPST successfully organized a 5-day International Faculty Development Programme on "Implications and Applications of Biotechnology in Pharmaceutical Industry and Environment". The event brought together global experts to share insights on cutting-edge biotechnological advancements and their transformative impact on pharma and environmental sustainability.



International FDP at GNIPST Explores Biotechnology's Role in Pharmaceutical and Environmental Sectors

"Jan Aushadhi" Store Inauguration at GNIPST

We are proud to share that the "Jan Aushadhi" Medicine Shop was inaugurated on 30th June 2025 at the Guru Nanak College Campus.

With this launch, all essential medicines and medical devices have become available under one roof at high quality and affordable prices — ensuring better access to healthcare for all.

This initiative reflected our ongoing commitment to serving the community with compassion and care.





Activity Corner

Autistic Pride Day: June 18th

Autistic Pride Day, celebrated on June 18th, is a global event that recognizes and honors the unique identities, strengths, and contributions of individuals on the autism spectrum. It promotes acceptance, inclusion, and self-advocacy, encouraging society to view autism as a difference rather than a disorder. The day emphasizes that autistic individuals have the right to be proud of who they are, just like anyone else.

Word Scramble

CPEETACNAC →

IVSTYREID →

INOTICLUS →

DGEOWLENK →

TSNERHGTH →

Did you know?

Autistic Pride Day was first celebrated in 2005 and was initiated by the autistic community itself—not by external organizations—making it a unique movement of self-advocacy and empowerment. It highlights that autism is a difference, not a deficit.



Submit **your** answers :



Stay tuned for a **shout out** to the correct answers in the next edition!

Answer Key



International Women's Day Word Scramble

Instructions: Unscramble the words related to vaccination

ITRSFEUJF → JUSTIFIER

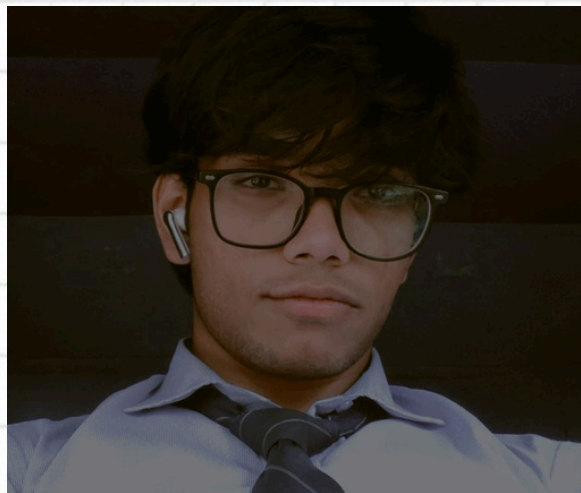
WRPEOMNETEM → EMPOWERMENT

QTUEIAYL → EQUALITY

REDALE → LEADER

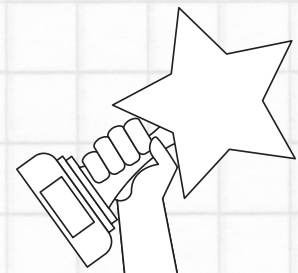
HIGTSIR → RIGHTS

**Shoutout to the “Activity Corner” winner of
Volume 2, Issue 5!**



Rajdeep Das

Guru Nanak Institute of Pharmaceutical Science and Technology, BBA(HM)



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COURSES OFFERED

Life Science UG Courses

- B.Sc in Biotechnology
- B.Sc in Microbiology
- B.Sc in Genetics
- B.Sc in Medical Lab Technology
- BBA in Hospital Management



Life Science PG Courses

- M.Sc in Biotechnology
- M.Sc in Microbiology
- M.Sc in Genetics
- M.Sc in Medical Lab Technology

"The best is yet to come. Here's to a year of new beginnings and limitless possibilities!"

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