

GNIPST LIFE-SCIENCE BULLETIN

VOLUME 2, ISSUE 5

2025

FEATURING





Message from Director's Office

Our commitment to excellence in learning, discovery, and engagement remains steadfast. At Guru Nanak Institute of Pharmaceutical Science and Technology, we are dedicated to providing our students with a solid foundation that blends core principles with practical, real-world applications. By embracing innovative educational technologies and diverse teaching methodologies, we prepare our students to thrive in a rapidly evolving world.

We take immense pride in the GNIPST Bulletin, which continues to serve as a vibrant platform for showcasing our achievements, updates, and initiatives. I encourage all readers to stay connected and actively engage with the bulletin. Your involvement and feedback inspire us to aim higher and accomplish even more.



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 one of the premier educational institutions in West Bengal, we take pride in offering state-of-the-art facilities, hands-on learning experiences, and outstanding internship opportunities. Our commitment lies in empowering students to excel in their careers and personal journeys, guided by strong ethical values.

With the launch of the first issue of Volume 2 of the GNIPST Bulletin, we invite you to continue engaging with this platform. The bulletin captures the spirit of our vibrant community, celebrating achievements, sharing updates, and highlighting inspiring stories. Your ongoing support and active participation motivate us to aim higher and reach new milestones. Together, let's make this year one of remarkable accomplishments!



Prof. (Dr.) Lopamudra Datta



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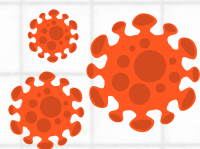
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The Science Update

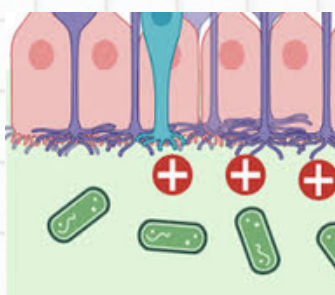
First Personalized CRISPR Gene Editing Treats Infant's Rare Disorder

A 9-month-old baby with carbamoyl phosphate synthetase 1 deficiency received a groundbreaking personalized CRISPR therapy, correcting a liver gene mutation. This success marks a significant step toward treating rare genetic diseases.



To know more : https://www.axios.com/2025/05/16/gene-editing-crispr-baby-first-patient-treatment?utm_source=chatgpt.com

Engineered Nasal Bacteria Deliver Drugs to the Brain



Scientists at the National University of Singapore have modified *Lactobacillus plantarum* to bypass the blood–brain barrier, delivering therapeutic hormones directly to the brain via the nasal passage. This method could revolutionize treatments for neurological conditions.

To know more : <https://trial.medpath.com/news/8a93a2a9c466d26a/engineered-nasal-bacteria-successfully-deliver-obesity-drugs-to-brain-bypassing-blood-brain-barrier>

AI Accelerates Drug Discovery and Personalized Medicine



Advancements in AI are expediting drug development and enabling personalized treatment plans by analyzing vast datasets. Tools like AlphaFold 3 are pivotal in predicting molecular structures, thereby reducing research timelines and costs.

To know more : https://icthealth.org/news/advances-in-ai-for-life-sciences-to-be-expected-in-2025?utm_source=chatgpt.com



The Campus Pulse

Event Spotlight



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



GNIPST Shines at Education Expos

Students from GNIPST's Department of Life Science secure placements in prestigious companies and earn esteemed internship opportunities — thanks to the dedicated guidance and grooming by the Training and Placement Cell of GNIPST



Success Stories from Life Science Department

Education Eminence Award 2025

Guru Nanak Institute of Pharmaceutical Science and Technology (GNIPST) has been awarded the News18 Bangla Education Eminence Award 2025 in the category of Eminence in Pharmaceutical Science and Research – West Bengal!

This prestigious honour highlights our continued commitment to academic excellence, research innovation, and holistic student development. The award was graciously received by our respected Principal, Prof. (Dr.) Lopamudra Datta, whose visionary leadership inspires us every day.

A heartfelt thanks to our dedicated faculty, students, staff supporters—this achievement is yours too!



GNIPST Wins News18 Bangla Eminence Award 2025





Activity Corner

International Women's Day: March 8th

"Where there is a woman, there is magic." – Ntozake Shange

This month, we continue to honor the contributions of women across all walks of life from science and education to healthcare, governance, and social reform. Women have not only shaped history but are also paving the way toward a more inclusive and empowered future.

Word Scramble

ITRSFEUJF → _____

WRPEOMNETEM → _____

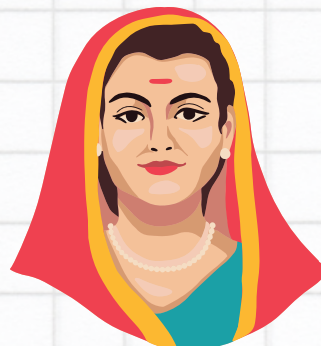
QTUEIAYL → _____

REDALE → _____

HIGTSIR → _____

Did you know?

Savitribai Phule was India's first female teacher and a pioneer in women's education!



Submit **your** answers :

**CLICK
HERE**

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

Answer Key



Ambedkar Jayanti Word Scramble

Instructions: Unscramble the words related to vaccination

RACSTE → CASTE

LAIQUYTI → EQUALITY

STITCNOIUTON → CONSTITUTION

VARESRTNIOA → RESERVATION

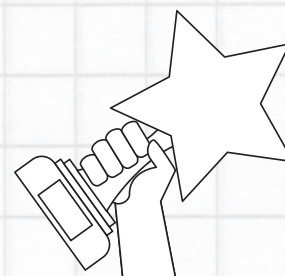
HDRBAIMAKE → AMBEDKAR JI

**Shoutout to the “Activity Corner” winner of
Volume 2, Issue 3!**



Alimpon Bhaduri

Guru Nanak Institute of Pharmaceutical Science and Technology, BMLT



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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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