

# GNIPST LIFE-SCIENCE BULLETIN

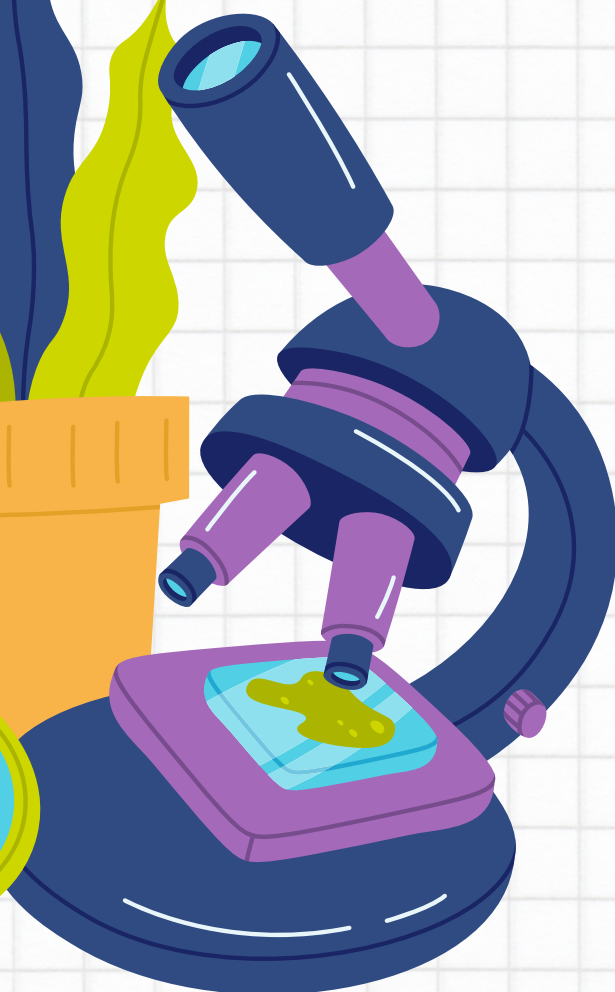
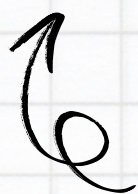
VOLUME 2, ISSUE 3

2025

FEATURING



GET  
SET  
TALK





## Message from Director's Office

As we step into 2025, our commitment to excellence in learning, discovery, and engagement remains steadfast. At Guru Nanak Institute of Pharmaceutical Science and Technology, we continually strive to provide our students with a robust foundation that integrates core principles with practical applications. By embracing innovative educational technologies and diverse teaching methodologies, we prepare our students to meet the demands of a rapidly evolving world. We take immense pride in the GNIPST Bulletin, which serves as a platform to showcase our achievements, updates, and initiatives. I encourage all readers to stay connected and continue engaging with the bulletin to. Your involvement and feedback inspire us to aim higher and achieve more.



**Prof. (Dr.) Abhijit Sengupta**

## Message from Principal's Office

Warm greetings from Guru Nanak Institute of Pharmaceutical Science and Technology, Department of Life Science! As one of the leading educational institutions in West Bengal, we offer state-of-the-art facilities, hands-on experience, and exceptional internship opportunities. We are committed to empowering our students to achieve excellence in their careers and personal lives, guided by strong ethical principles. As we publish the first issue of Volume 2 of the GNIPST Bulletin, we invite you to keep engaging with this platform. The bulletin is a reflection of our vibrant community, highlighting key achievements, updates, and inspiring stories. Your continued support and participation drive us to push boundaries and achieve new milestones. Together, let's make 2025 a year of remarkable accomplishments!



**Prof. (Dr.) Lopamudra Datta**



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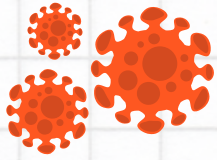
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# The Science Update

## Did you know?

### Resurrection of the Dire Wolf: A Milestone in De-Extinction

Biotech company Colossal Biosciences claims to have achieved the first successful de-extinction of the dire wolf using advanced gene editing and synthetic biology. This marks a significant leap in de-extinction science, with future implications for biodiversity restoration and evolutionary biology.



To know more : Colossal Biosciences via Sci.News

### New Class of Antibiotic Targets Gonorrhea Bacterium

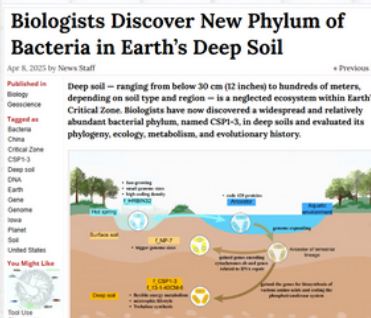


Scientists have discovered a new class of antibiotics that selectively target *Neisseria gonorrhoeae*, the bacterium responsible for gonorrhea. These substances trigger a self-destruction program within the bacteria, offering a promising avenue for treatment.

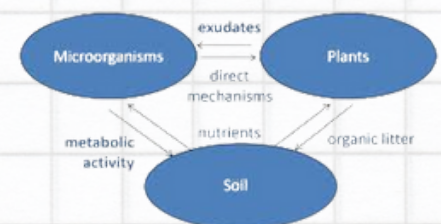


To know more : <https://www.sciencedaily.com/releases/2024/11/241120123456.htm>

### Biologists Discover New Phylum of Bacteria in Earth's Deep Soil



Researchers have identified a previously unknown phylum of bacteria residing in deep soil layers. This discovery enhances our understanding of microbial diversity and the roles these organisms play in soil ecosystems. The newly found bacteria exhibit unique genetic and metabolic traits, suggesting potential applications in biotechnology and environmental science.



To know more : [https://www.sci.news/biology/deep-soil-bacteria-13810.html?utm\\_source](https://www.sci.news/biology/deep-soil-bacteria-13810.html?utm_source)



# The Campus Pulse

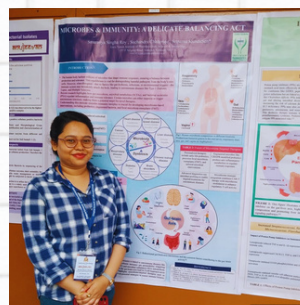
## Event Spotlight



**Glimpses of Women's Day Celebration at GNIPST**



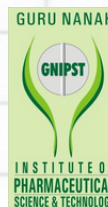
**Rangoli Exhibition by Students of GNIPST**



**Our students have attended a National Symposium on "Microbes: Miracle or Menace: Innovation for Health, Environment and Industry. Our student Smaranya Singha Roy won the First Position in the Poster Presentation Competition.**



# GST : Get Set Talk



Get Set Talk is the ultimate podcast destination by JIS, tailored specifically for college students! They deal with variety of topics starting from academic advice, career tips to personal growth and campus life. The episodes are full of engaging conversations, expert insights and practical tips to help navigate and journey of college students with confidence and ease.

*Let's Get Set Talk and Thrive Together!*



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Get Set Talk – Episode 4 featuring students of GNIPST! 🎧🧠💙

A must-watch for students, educators, and everyone who values a healthy mind! Let's start the conversation—your mental health matters! 💙

Please share your feedback with us.



# Activity Corner

## ***National Vaccination Day : March 16th***

National Vaccination Day is celebrated every year on March 16th to commemorate the successful launch of the Pulse Polio Immunization Programme in India.

### ***Vaccination Word Scramble***

NETAVIACC → \_\_\_\_\_

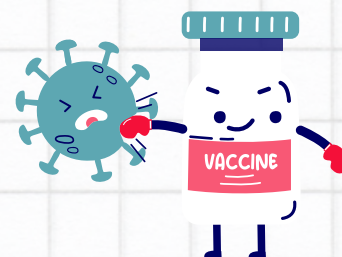
SINMUE → \_\_\_\_\_

HTPEAITIS → \_\_\_\_\_

COVNIAACNTI → \_\_\_\_\_

EXONBI → \_\_\_\_\_

### ***Did you know?***



### **The polio vaccine was once given as a sugar cube!**

In the 1960s, children were given the oral polio vaccine on a cube of sugar, making vaccination sweet and stress-free! This method helped vaccinate millions quickly. **"Sabin Sundays"** were special mass immunization drives! In countries like the United States and India, Sundays were chosen to organize nationwide OPV campaigns, often referred to as "Sabin Sundays," where children would receive the drops sometimes on sugar cubes to make it more appealing and less scary. These campaigns played a huge role in the rapid spread and success of polio immunization.

Submit **your** answers :



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

# Answer Key



## Evolution Anagram Challenge

*Instructions: Unscramble the words related to evolution*

*Olivotuen → Evolution*

*Tnaotdaipna → Adaptation*

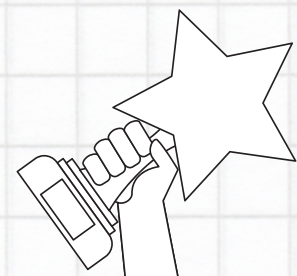
*Clarutan Tonlsicee → Natural selection*

*Otimuan → Mutation*

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



**Chayan Deb**



Guru Nanak Institute of Pharmaceutical Science and Technology, B. Pharm

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### *Life Science UG Courses*

- B.Sc in Biotechnology
- B.Sc in Microbiology
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- 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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