



Guru Nanak Institute of Pharmaceutical Science and Technology

GNIPST BULLETIN

Life Science

VOLUME 5 ISSUE 2



IN REFLECTION AND VISION

The Director's Note

It is with immense pride and enthusiasm that we present Volume 5, Issue 2 of the GNIPST Bulletin – Special Edition on World Photography Day, 19th August.

This special edition celebrates the art of capturing moments, preserving memories, and telling stories through photographs. From academic achievements and research milestones to student activities, celebrations, and everyday campus moments, each frame reflects the vibrant spirit and journey of GNIPST – Life Science.

As we celebrate World Photography Day, we invite our students, faculty, alumni, and well-wishers to see beyond the moment, cherish the memories, and celebrate the stories captured in every frame.

Welcome to a special edition where every frame tells a story!



Dr. Abhijit Sengupta

The Principal's Note

We are delighted to present Volume 5, Issue 2 of the GNIPST Bulletin – Life Science, a Special Edition dedicated to World Photography Day, 19th August. This edition celebrates the art of photography and its unique ability to capture moments, preserve memories, and tell stories beyond words.

Through this special issue, we bring together glimpses of academic achievements, student activities, celebrations, campus moments, and creative expressions, reflecting the vibrant spirit of GNIPST. Each photograph represents a moment in our journey—capturing memories that become a part of our shared story.

We extend our heartfelt appreciation to our students, faculty members, contributors, readers, and well-wishers for making this edition special.

Here's to seeing, capturing, and celebrating the moments that make our journey memorable!



Dr. Lopamudra Datta

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SCIENCE UPDATE -Through the Lens!

A Hidden World of 31 New Marine Species

A remarkable marine expedition off the coast of Brazil has revealed 31 species previously unknown to science, including nine jellyfish, seven comb jellies, seven siphonophores, larvaceans, an amphipod and giant single-celled organisms. Researchers used remotely operated vehicles, advanced imaging systems and genetic analysis to investigate the ocean's poorly explored midwater zone. The expedition also produced detailed images of living microscopic structures, demonstrating how modern photography and imaging technologies are transforming marine biology.



Read More : <https://www.nature.com/articles/d41586-023-02870-3>

The Jumping Gene Caught in Action



Researchers have captured evidence of a “jumping gene” moving between different microbial species. The scientists detected circular intron RNA from a predatory bacterium inside cells of another microorganism. Because the RNA formed a stable circular structure, it resisted degradation even after the host cell died. The discovery suggests a previously unrecognized mechanism through which genetic elements may spread between species and contribute to evolution.

https://www.sciencedaily.com/releases/2026/08/260803080911.htm?utm_source=chatgpt.com



SCIENCE UPDATE -Through the Lens!

Ötzi the Iceman's 5,300-Year-Old Microbial World

More than five millennia after his death, Ötzi the Iceman continues to provide insights into ancient microbiology. Researchers identified microorganisms associated with his body, including evidence of ancient gut microbes and cold-adapted organisms that survived alongside the mummy in glacial conditions. The work provides a fascinating window into microbial communities associated with humans thousands of years ago.



Read More: https://sciencedaily.com/releases/2026/08/260806050721.htm?utm_source=chatgpt.com

Honeybees Show Brain Changes After Weedkiller Exposure

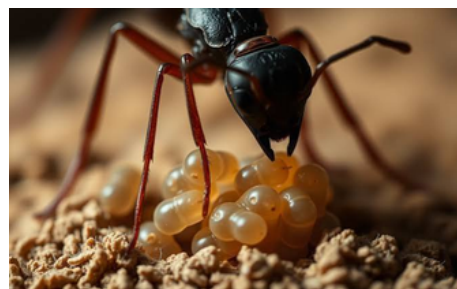


A study has found that exposure to glyphosate-based weedkillers can affect honeybee behaviour and brain chemistry. Exposed bees foraged approximately 13% less after three days and showed alterations in important neurochemical systems. Since honeybees play a central role in pollination, the findings highlight the importance of understanding how agricultural chemicals may affect beneficial insects.

Read More: https://www.nature.com/subjects/biotechnology?utm_source=chatgpt.com

Ant Brains Reveal the Evolution of Parenting

Research on clonal raider ants suggests that the neural pathways controlling hunger and feeding may have been adapted during evolution to produce parental behaviour. Two neuropeptides were found to influence whether ants cared for larvae or left the nest to forage. The findings provide an intriguing example of how evolution can modify existing biological systems to create new behaviours.



Read More: https://www.nature.com/subjects/biotechnology?utm_source=chatgpt.com

CAMPUS PULSE

Parichay 2026

Student Induction Program of newly admitted students of Biotechnology, Microbiology, Genetics and Medical Laboratory Technology, Admission Batch 2026-2027 from 10.08.2026-14.08.2026



Welcome Address for the First Year Students



Glimpses of Technical Sessions - Know your Subject, Introduction to Examination System, Digital Connect, Training and Placement, Student Credit Card and so on.



Introduction to Student Life Center

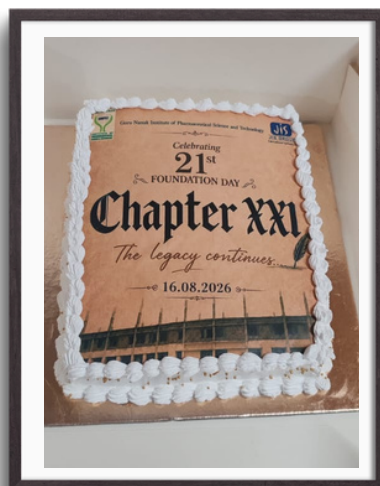
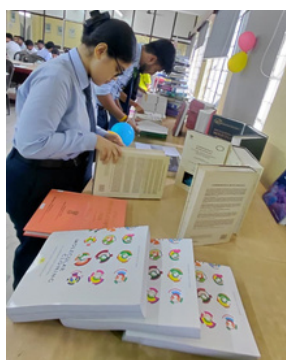


Industry Visit of the newly admitted students

CAMPUS PULSE

CHAPTER XXI: *The Legacy Continues*

A Grand Celebration of **21st Foundation Week of GNIPST** from 14.08.2026-18.08.2026. An array of activities starting from Photography Exhibition, Quiz Competition, Rakhi Making, Cultural Performances, Sapling Adoptation, Yoga Workshop, Orphanage Visits, Treasure Hunt, Indoor Games and much more were executed by THE GNIPSTians throughout the week.



ACTIVITY CORNER

WORLD PHOTOGRAPHY DAY , 19.08.2026

World Photography Day, celebrated every year on 19th August, honours the art and power of photography in capturing moments, preserving memories, documenting history, and expressing creativity. Photography serves as a universal medium of communication, allowing stories and emotions to be conveyed through a single frame.

At Guru Nanak Institute of Pharmaceutical Science and Technology (GNIPST), photography is encouraged as an important platform for creativity, student engagement, and visual storytelling. The institute has an assigned Photography Club that organizes photography competitions and exhibitions, participates in and wins inter-college photography competitions, and provides students with opportunities to develop and showcase their photographic skills.

The club also plays an important role in covering and documenting institutional events, including academic programmes, cultural activities, competitions, seminars, and celebrations. These photographs are systematically preserved, creating a valuable visual archive of GNIPST's events, achievements, and memories.

On World Photography Day, GNIPST celebrates the creativity of its photographers and the power of photography to capture moments, tell stories, and preserve memories for years to come.

SCRAMBLED WORD

HOPTOGRAHPY →

MPOOSITIONC →

XPOSUREE →

RPTORAI T →

PERSCETIVEP →



ANSWER KEY

VOLUME 5 ISSUE 1

NATFROE → FOREST 🌳

NATLPATINOL → NATIONAL 🇮🇳

NOOSFREATION → DEFORESTATION 🌲

BODIIVERSTIY → BIODIVERSITY 🌿

ECRYOSMSETS → ECOSYSTEMS 🌍

SHOUT OUT TO THE WINNER OF VOLUME 4 ISSUE 6



Subhamita Patra, B.Sc Biotechnology

Guru Nanak Institute of Pharmaceutical Science and Technology



Guru Nanak Institute of Pharmaceutical Science and Technology

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

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