



Guru Nanak Institute of Pharmaceutical Science and Technology

GNIPST BULLETIN

Life Science

VOLUME 5 ISSUE 3



IN REFLECTION AND VISION

The Director's Note

It is with immense pride and enthusiasm that we present Volume 5, Issue 3 of the GNIPST Bulletin – September Issue, Special Edition on Teachers' Day, 5th September.

This special edition celebrates the dedication, wisdom, and unwavering commitment of teachers who inspire young minds, nurture curiosity, and shape the future through knowledge and guidance. From academic achievements and research milestones to student activities, institutional celebrations, and memorable campus moments, every story reflects the passion for learning and the spirit of GNIPST – Life Science.

As we celebrate Teachers' Day, we extend our heartfelt gratitude to all our teachers, whose guidance goes beyond the classroom, empowering students to dream, discover, and achieve. We invite our students, faculty, alumni, and well-wishers to join us in honouring the mentors who make a lasting difference in our lives.

Welcome to a special edition dedicated to the inspiring minds behind every success and the guiding lights behind every journey!



Dr. Abhijit Sengupta

The Principal's Note

We are delighted to present Volume 5, Issue 3 of the GNIPST Bulletin – Life Science, the September Issue, a Special Edition dedicated to Teachers' Day, 5th September. This edition celebrates the invaluable role of teachers in shaping minds, inspiring curiosity, nurturing talent, and guiding students towards a brighter future.

Through this special issue, we bring together glimpses of academic achievements, student activities, institutional celebrations, and memorable campus moments, reflecting the vibrant spirit of GNIPST. Each story highlights the dedication of our educators and the meaningful connections between teachers and students that make learning a truly enriching journey.

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

Here's to celebrating the mentors who inspire us, the knowledge that empowers us, and the bonds that make every learning journey memorable!



Dr. Lopamudra Datta

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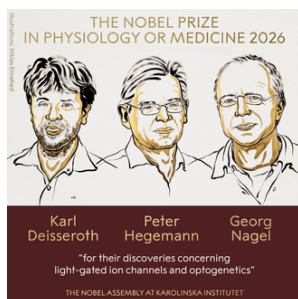


SCIENCE UPDATE

Special feature: Nobel Prize 2026



Nobel Prize in Physiology or Medicine 2026: Using Light to Control Brain Cells



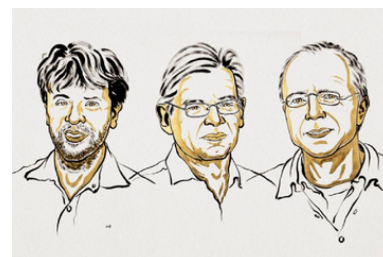
The 2026 Nobel Prize in Physiology or Medicine was awarded to Karl Deisseroth, Peter Hegemann and Georg Nagel for their discoveries concerning light-gated ion channels and optogenetics. Their work helped establish a technique that uses light-sensitive proteins to control the activity of specific nerve cells.

The approach allows researchers to activate or inhibit selected neurons with remarkable precision, helping them investigate brain circuits and the relationship between neuronal activity and behaviour. It has transformed neuroscience research and may contribute to a better understanding of neurological and psychiatric disorders.

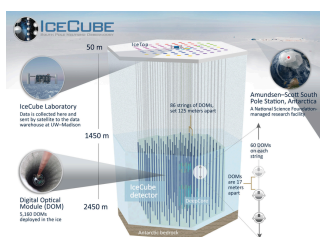
Nobel Prize in Chemistry 2026: The Chemistry of Mirror-Image Molecules

Henri B. Kagan and Kenso Soai received the 2026 Nobel Prize in Chemistry for discoveries concerning nonlinear effects and autocatalysis in asymmetric organic synthesis. Their work helps explain how chemical reactions can favour one mirror-image form of a molecule over the other.

This phenomenon is especially important in biology and pharmaceutical science because molecules with identical chemical compositions but different three-dimensional arrangements can behave differently in living systems. Understanding molecular chirality is therefore essential to studying amino acids, proteins and the development of medicines.



Nobel Prize in Physics 2026: Detecting Ghost Particles from Space



Francis Halzen received the 2026 Nobel Prize in Physics for his decisive contributions to the IceCube Neutrino Observatory and the discovery of high-energy neutrinos of astrophysical origin. Neutrinos are extremely difficult to detect because they interact only weakly with matter.

IceCube uses an enormous volume of Antarctic ice equipped with light sensors to detect the rare flashes produced when neutrinos interact with matter. Although this discovery belongs primarily to physics, it illustrates how advanced imaging and detector technologies can reveal phenomena that conventional observation cannot capture.

CAMPUS PULSE

Teachers' Day Celebration at GNIPST

Educators for a Day – Senior students step into the shoes of teachers, conducting classes for their juniors and sharing their knowledge. This engaging activity fosters leadership, confidence, and a deeper appreciation for the role of educators.



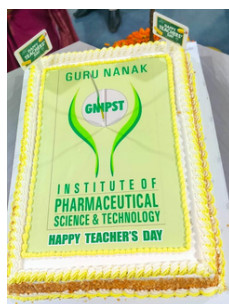
All participating students were recognised with certificates in appreciation of their enthusiasm, initiative, and valuable contribution to the *Educators for a Day* activity.



Students organised a special cultural programme to honour their teachers, featuring vibrant performances and heartfelt expressions of gratitude.



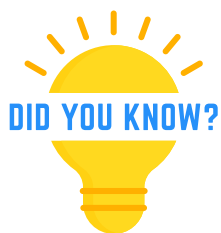
The celebration concluded with a ceremonial cake-cutting, marking a joyful end to the occasion and symbolising the bond of respect, appreciation, and togetherness between teachers and students.



ACTIVITY CORNER

TEACHERS' DAY, 05.09.2026

Teachers' Day, 05.09.2026 – Teachers' Day, celebrated every year on 5th September in India, commemorates the birth anniversary of Dr. Sarvepalli Radhakrishnan, an eminent philosopher, scholar, and former President of India. The day honours the dedication and invaluable contributions of teachers in shaping young minds, imparting knowledge, nurturing creativity, and inspiring lifelong learning. It recognises the vital role of educators in instilling values, encouraging critical thinking, and guiding students towards personal and professional success. Teachers' Day is an occasion for students to express their gratitude and appreciation for the guidance, encouragement, and inspiration that teachers provide in shaping the future of individuals and society.



Before becoming the President of India, Dr. Sarvepalli Radhakrishnan was nominated for the Nobel Prize in Literature in 1936 and the Nobel Peace Prize several times. His remarkable contributions as a philosopher and educator helped introduce Indian philosophical thought to audiences around the world.

SCRAMBLED WORD

GYOGEDAP →

RUMNICETO →

NEMTROSHIP →

LUMCIRURUC →

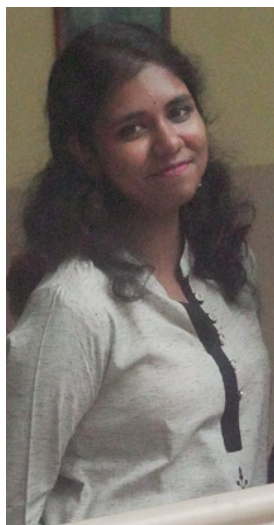
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ANSWER KEY

VOLUME 5 ISSUE 2

HOPTOGRAHPY → PHOTOGRAPHY
MPOOSITIONC → COMPOSITION
XPOSUREE → EXPOSURE
RPTORAI T → PORTRAIT
PERSCETIVEP → PERSPECTIVE

SHOUT OUT TO THE WINNER OF VOLUME 5 ISSUE 2



Anwasha Biswas , B.Sc Genetics

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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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