

UNIVERSITY OF LADAKH

Department Of Mathematics
(LEH CAMPUS, TARU-THANG, LEH-LADAKH, INDIA)

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Press Release

Subject: Celebration of National Science Day 2023 by UOL Mathematics club in collaboration with INYAS (Indian National Young Academy of Sciences) by organizing webinar

Under the guidance and support of H'ble Vice Chancellor Prof. S. K. Mehta, UOL Mathematics Club, Department of Mathematics, University of Ladakh, Leh Campus, in collaboration with INYAS (Indian National Young Academy of Sciences) celebrated *National Science Day 2023* on February 28, 2023 by organising a One day webinar on "Science in Everyday Life".

Dr. Harleen Dahiya, Associate Professor, NIT Jalandhar, India was the key speaker. The webinar was inaugurated at 11:00 a.m. by H'ble Registrar, Prof. Ashok Kumar Sharma, University of Ladakh. He addressed the participants focusing on the importance of Science in everyday life in which he emphasized that one should be innovative and must have multidisciplinary approach. Further, he acknowledged the efforts of UOL Mathematics Club for organizing such programmes. Dr. Sharanjeet Dhawan (Convenor, UOL Mathematics Club) introduced the speaker Dr. Harleen Dahiya. Prof. Dahiya delivered her lecture entitled "Science in everyday life" in which she focused on how science surrounds us and plays an important role in our daily life. The lecture was fully based on the scientific ideas in which so many phenomenon of physics like reflection, refraction, diffraction, polarization, Magnetism, Gravity, Inertia etc. were discussed with illustrative examples from day to day life.

At the end of the talk, all the participants enthusiastically discussed their queries with Prof. Dahiya. The session was concluded at 12:15 p.m. by presenting formal vote of Thanks by Mr. Tundup Namgyal, Assistant Professor, Department of Mathematics, UOL. The whole event was supported by INYAS and organised by the UOL Mathematics club.





science-in-life 2023 UOL.pdf

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Lots of nano-toes!

- Beetles and flies also have nanostructures that help them stick to walls, ceilings and what appear to be smooth surfaces. **Tell me more!**

body mass →

A beetle B fly C spider D gecko

<http://shasta.mpi-stuttgart.mpg.de/research/Bio-Tribology.htm>



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The big Bang

What was matter like within the first second of the Universe's life?

Matter originated from a dense and hot cocktail of fundamental particles.

The bond is very strong, but in the very early Universe conditions would have been too hot and energetic to hold the fundamental particles together.

During the first microseconds after the Big Bang the Universe would have contained a very hot and dense mixture of quarks and gluons.

AIM: Understanding the Universe backward in time!!!!

radiation
particles
heavy particles carrying the weak force
quark
anti-quark
electron
positron (anti-electron)
proton
neutron
meson
hydrogen
deuterium
helium
lithium