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# Mumbai hosts India's first astrobiology conference on life in space

India's first astrobiology conference on life in Space was organised in Mumbai by Indian Astrobiology Research Centre and IARC Centre for United Nations in collaboration with Nehru Science Centre.



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Mumbai: India's first astrobiology conference on life in Space was organised in Mumbai by Indian Astrobiology Research Centre and IARC Centre for United Nations in collaboration with Nehru Science Centre.

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Astrobiology is the study of the origin, evolution and distribution of life in the universe. It also refers to the search for any kind of life elsewhere, as well as the search for extraterrestrial intelligence.

The maiden astrobiology conference received an overwhelming response, Pushkar Ganesh Vaidya, Scientist, Head, IARC, said.

The auditorium was teeming with students from across India, he said.

The conference, held on Sunday, began with a talk by renowned cosmologist Prof Jayant Narlikar. He spoke about the ongoing search for micro-life in the universe and the future tests planned to conduct the isotopic analysis of the organic material retrieved from over 40 km above the earth's surface.

This analysis can show if life is indeed to come from outer space, Vaidya told PTI.

Prof. Chandra Wickramasinghe from Cambridge, UK delivered the first Arthur C Clarke memorial lecture, based on his four decade long quest for extraterrestrial life, in particular his lifelong effort to test panspermia.

The theory of panspermia suggests that life did not originate on Earth but was delivered to Earth from



some other part of the universe.

On this occasion, a fund called, "Chandra Wickramasinghe Fund for Panspermia Research" was announced. This fund will encourage astrobiology research amongst students in India.

Dr Henry Throop, delivered an engaging talk about NASA's contribution to search for life in space over the past 50 years. He suggested that instead of Mars, the future missions should target Jupiter's moon Europa as the moon is likely to have a sub-surface ocean.

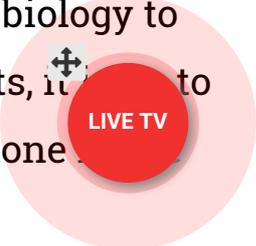
A panel discussion led by leading astrophysicist Prof. Shashikumar Chitre and astrobiologist, Pushkar Ganesh Vaidya, was held.

To understand life in the cosmic context is critical to our understanding of life on Earth, Vaidya said.

More importantly, it is critical to ensure the survival of our species on Earth, he added.

Prof. Chitre spoke about the need to widen the search

for life and that it is imperative that the new generation must take the field of astrobiology to new heights. He reminded the students, it is up to them to answer the question are we alone in the universe.

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In the presence of the gathering of space scientists, the launch of National Space Sciences Curriculum (NSSC) was announced. It is India's widest initiative that offers space sciences in the form of curriculum at school level, Vaidya said.

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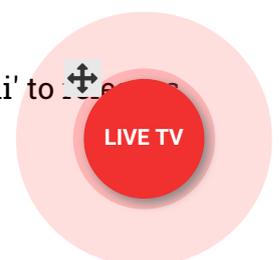
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