

AMITY CENTRE OF EXCELLENCE IN ASTROBIOLOGY

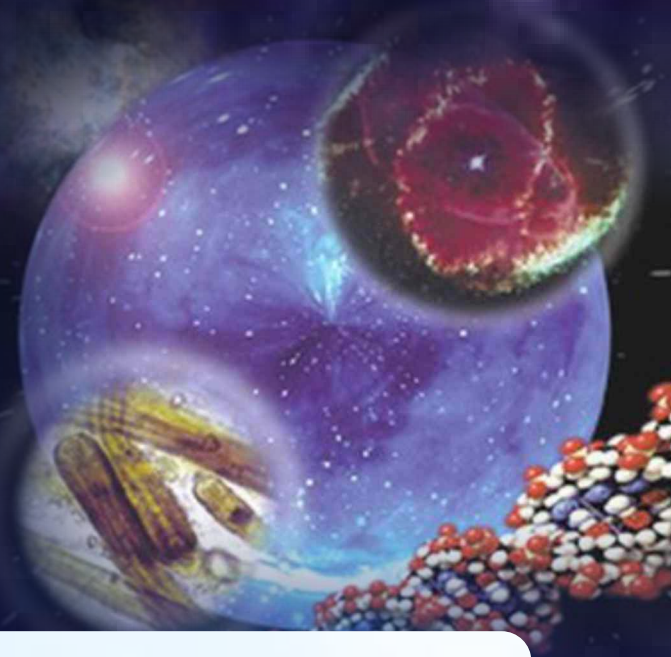
Organizes

**A TWO-DAY
INTERNATIONAL
WORKSHOP**
on
**INTRODUCTION
TO ASTROBIOLOGY**

9th-10th August 2022

9:30 A.M. - 5:00 P.M.

Venue: Amity University Mumbai



CHIEF PATRON

Dr. Aseem Chauhan
President, AUM

PATRON

Dr. A.W. Santhosh Kumar
Vice Chancellor, AUM



CHAIRPERSONS



Dr. Sagar Barage
Incharge HOI-AIB

Dr. Siddharth Pandey
Postdoctoral Fellow,
NASA Jet Propulsion Laboratory
Head, Amity Centre of Excellence
in Astrobiology, AIB - AUM



CONVENER



Dr. Renitta Jobby
Assistant Professor AIB, AUM
Incharge Amity Centre of excellence in Astrobiology

CO- CONVENER

Dr. Pavithra
Assistant Professor,
Amity Centre of Excellence
in Astrobiology, AIB, AUM

ORGANIZING TEAM

Dr. Tareeka Sonawane
Assistant Professor,
AIB, AUM

Dr. Vinothkannan Ravichandran
Assistant Professor,
AIB, AUM

ABOUT THE CENTRE

Amity Centre of Excellence in Astrobiology (ACoEA), pronounced as 'aqua' has been established in February 2019, keeping in mind the critical need to have an integrated centre in India that focuses on all pursuits towards studying the origin of life and its evolution, distribution on Earth and in the Universe. This centre of Excellence is a natural outcome from the continued research and education efforts of the Amity Education Group since August 2016 to support astrobiology work in India. The centre, in partnership with national and international labs, currently leads astrobiology-focused field studies and simulation with a focus on understanding the habitability potential of regions on Mars. The centre is also involved in the development of biology experiments in the upper atmospheric and Low Earth Orbit (LEO). The centre introduces undergraduate/graduate students to Astrobiology research and undertakes citizen-driven Space exploration projects.

ABOUT THE WORKSHOP

What is life? How, when and where did it start on Earth? Does it exist elsewhere in our Solar System or outside it? India is on the cusp of embarking on life detection missions to Mars, Venus and the Exoplanets. Astrobiology as a field, is very new in India. It is the study of the origin, evolution and distribution of life in the Universe. There are limited research avenues in India for students to pursue further studies in this field. Hence, there is a need to conduct an introductory workshop to help students transition into the field and have in-person informal discussions with astrobiology researchers. The workshop will introduce the fundamental aspects of astrobiology to the participants and provide a platform for research students (final year UG, PG, PhD) and faculty members of engineering, physical sciences, biotechnology to transition into the field.



WHO SHOULD ATTEND?

School/UG/PG/PhD students & researchers from science and engineering disciplines interested in a career in astrobiology

FEES

Rs. 2000 +18% GST for students and Rs. 2500 +18% GST for Researchers & Scientists
* Hostel accommodation available on request on payment basis

TOPICS

- Origin of Life, Making of a Habitable Planet
- Rise of life
- Missions
- Analogue research
- Analogue sites in India
- Living on Mars

Register at: www.amity.edu/mumbai/astroworkshop2022

RESOURCE PERSONS FOR WORKSHOP



Dr. Annalea Beattie
National Director at
Mars Society Australia and the
National Space Society of Australia
Adjunct Professor, Amity Centre of
Excellence in Astrobiology, AUM



Dr. Michael Macey
Research Staff
Faculty of Science, Technology,
Engineering & Mathematics School of Environment,
Earth & Ecosystem Sciences, Astrobiology
Open University UK



Dr. Jonathan Clarke
President of Mars Society Australia
Adjunct Professor, Amity Centre of
Excellence in Astrobiology, AUM



Dr. Siddharth Pandey
Postdoctoral Fellow,
NASA Jet Propulsion Laboratory
Head, Amity Centre of Excellence
in Astrobiology, AIB - AUM

PANEL DISCUSSION:

TOPIC: "ROAD AHEAD FOR ASTROBIOLOGY IN INDIA AND OPPORTUNITIES FOR NEXT-GENERATION".

10th August from 10:30-12:00 IST. | On ZOOM

PANELIST



Prof. Mukund Sharma
Scientist,
Birbal Sahni Institute
of Palaeosciences



Dr. Sudha Rajamani
Associate Professor and
Deputy Chair
Dept of Biology, IISER Pune



Dr. Shyama Narendranath
Scientist,
Indian Space Research Organization



Dr. Annalea Beattie
National Director at
Mars Society Australia and the
National Space Society of Australia
Adjunct Professor,
Amity Centre of Excellence
in Astrobiology, AUM



Dr. Siddharth Pandey
Postdoctoral Fellow,
NASA Jet Propulsion Laboratory
Head, Amity Centre of Excellence
in Astrobiology, AIB - AUM

MODERATORS FOR PANEL DISCUSSION

Dr. Renitta Jobby
Amity Centre of Excellence in Astrobiology
Amity Institute of Biotechnology, AUM

Dr. Pavithra
Assistant Professor, Amity Centre of
Excellence in Astrobiology, AIB, AUM

CONTACT DETAILS:

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