



Netaji Subhas Open University
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The poster features a green and white background with a gear and molecular structure motif. It includes the university logo, a NAAC 'A' accreditation badge, and text detailing the lecture series title, speaker, venue, date, and time.

NETAJI SUBHAS OPEN UNIVERSITY
CENTRE FOR INTERNAL QUALITY ASSURANCE
Organizes
FACULTY LECTURE SERIES

Title: Origin of life: Retracing the journey to our bio-chemical origins

Speaker:
**Dr. Bibhas Guha, Associate Professor & Head,
Dept of Zoology, NSOU**

VENUE
Subhas Chandra Sabhaghar
NSOU, Headquarters

Date: 15th February 2023
 Time: 03:00 pm

REPORT

Background and Objectives:

Faculty Lecture series not only honors individual faculty members and their achievements, but also celebrates the values of academic excellence academicians and aspirants share as a community. The idea has been bestowed upon by Prof. Ranjan Chakrabarti, the Hon'ble Vice-Chancellor, NSOU as a fleet to multiple and experience knowledge sharing.

With this backdrop, and devout support and guidance of the Hon'ble V.C., CIQA organized the 3rd FLS.

Opening Note: Prof. Anirban Ghosh, Director-CIQA initiated the 3rd Faculty Lecture of the Faculty Lecture Series of NSOU. He welcomed the speaker, Dr. Bibhas Guha, Associate Professor of Zoology & Head, Department of Zoology, SoSci, the Chairperson of the session, Prof. Atindranath Dey Director, School of Education, NSOU and esteemed faculty members across the school of studies, NSOU. The no. of attendees was 32.

Introduction of the Speaker: The chairperson introduced the speaker of the 3rd FLS, Dr. Bibhas Guha and welcomed him for his lecture presentation.

Excerpts of the Lecture:

Origin of life: retracing the journey to our bio-chemical origins

Until the middle of the nineteenth century life was presumed to be created by some supernatural power either at one go, or at successive intervals. According to cosmozoic theory, life is distributed throughout the cosmos in the form the resistant spores of living forms, the cosmozoa. Until seventeenth century people believed in a biogenesis or spontaneous generation of living organisms from non-living substances. After a long interval the theory of biogenesis emerges. Louis Pasteur (1822-1895), after conducted several experiments, was the pioneer who advocated that the first form of life (the simple self-duplicating particles) did arise spontaneously from chemical innate substances. Russian biochemist A.I. Oparin (1922) knitted the intricate biochemical theory of origin of life in a beautiful manner, but a lot has been added to it by now. Considering the views of Oparin, several scientists vividly worked on this issue and finally concluded that “the formation of protein molecules can be considered a landmark in the origin of life”. Of late, with the artificial synthesis of various organic complexes under the same conditions, which prevailed at the time of origin of Earth, now it has become possible to conceptualise that life originated as a result of physico-chemical reactions occurring in around the globe. Pirie suggested that the origin of first living thing (chemical history) be termed as biopoesis, while the first organism be designated as eobiont. In science, eobiogenesis designates the first instance of life, while neobiogenesis is used to describe repeated origination of life in nature ever since life began. Finally, with the evidences from different experiments, it is obvious to comment that the origin of first life in the Earth emerges through chemical process.



Session Summary: The Chairperson of the session thanked the speaker for a vivid presentation and expressing ideas in a very popularising manner. He appreciated Dr. Guha for his conscientious efforts in creating an interest and intriguing session.

Q & A session: Numerous queries and clarifications were put forward by the faculty members. It was addressed and cogently explained by the speaker. This session was extolled with interaction and multifarious discussion among all.



Drawing the end: Director-CIQA announced a token appreciation for all the Speakers of the FLS so far, i.e., 1st, 2nd & 3rd. These were admirably presented to the speakers, namely, Prof. D.P Nag Chowdhury, Prof. Chandan Basu and Dr. Bibhas Guha respectively.

Vote of Thanks: Smt. Kasturi Sinha Ghosh, Assistant Professor, Social Work, SoPS, NSOU to propose the vote of thanks. She formally thanked one and all associated with the event.

The entire session was deftly coordinated by the Director-CIQA, NSOU

--Report prepared by Dr. P.Upadhyay