Workshop on "GEOLOGY ROCKS!! HOW IS EARTH SCIENCE REVELANT TODAY?"

on

18-11-2021

Organised by

Department of Physics

Govt Post Graduate College Berinag Pithoragarh

Parton : Prof. C.D. Suntha Principal Govt Post Graduate College Berinag Pithoragarh

Coordinators: **Dr. Garima Punetha, Assistant Professor of Physics**

Dr. Lalit Singh, Assistant Professor of Physics

Guest Speaker: **Dr. Sreyashi Bhowmick, Former DST INSPIRE Fellow**

Department of Geological Sciences, Jadavpur University Kolkata

Title: **"Geology Rocks!! How is Earth Science Revelant Today?"**

Report of Academic Guest Lecture Series for Undergraduates and Postgraduates

Title: Geology Rocks!! How is Earth Science is Relevant?

Geology is the study of the Earth, the materials of which it is made, the structure of those materials, and the processes acting upon them. It includes the study of organisms that have inhabited our planet. An important part of geology is the study of how Earth's materials, structures, processes and organisms have changed over time.

Inaugural Function

The programme was chaired by Dr. Garima Punetha who expressed her happiness for hosting the Academic Guest Lecture Series in the college. The program started with inaugural session with the welcome note by Prof. C. D. Suntha. In his brief address he emphasized on the importance of the study of Geology which provide us detailed knowledge about the earth. He appreciated the guest speaker and expressed his happiness for creating awareness and learning related to Earth sciences among the students. The lecture series was attended by students of all disciplines. The guest speaker Dr. Sreyanshi Bhowmick has a vast experience working in the field of Structural Geology and tectonics.

Outcome of the Programme

- Awareness about the studies of fossils, rock structure of the Earth and primary evidence for plate tectonic theory.
- Knowledge about the evolutionary history of life on Earth.
- Details of vulnerable areas prone to disasters or hazards by which can understand where we can construct dams, bridges, high rising buildings, tunnels etc.
- Information how much of a particular natural resources is deep inside the earth.
- Awareness about career opportunities for students of science disciplines.

Valedictory Session:

Lastly, students raised their doubts and related queries and subsequently the guest speaker cleared all the doubts of the students and also motivated them immensely for the career ahead. She created a welcoming learning environment for the students and encouraged students to interact positively. At last, the lecture was concluded with the vote of thanks offered by Dr Kamad Kumar.

Photographs

We should learn from the master himself.....
Prof. Khadg Singh (KS) Valdiya
Hometown: Pithoragarh
Former Vice Chancellor of Kumaon University
Achievements
Innumerable in the field of Geodynamics
Padma Bhushan (2015)
Padma Shri (2007)
Shanti Swarup Bhatnagar Award (1976)
स्वागत एवं हार्दिक
अभिनन्दन करता है।
POCO
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Indian plate collided with the Eurasian plate
~20 cm/year (55 million years ago)
2500 km of crustal shortening
Plate subduction: Northward migration of the Indian subcontinent
Continental Lithosphere
Tethys basin
Subduction of the oceanic crust below the overriding plate
Oceanic Lithosphere
Mantle Convection
The lofty Himalayan range covers ~2900 km
Current rate of collision ~3-5 cm/year
नेहरू युवा केन्द्र पिथौरागढ़
युवा कार्यक्रम एवं खेल मंत्रालय
भारत सरकार
Nehru Yuva Kendra, Pithoragarh
Ministry of Youth Affairs & Sports, Government of India
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Govt. P.G. Colleg
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Acknowlegments

We would like to extend our immense gratitude to the guest speaker, Dr. Sreyashi Bhowmick for accepting our request for the Academic Guest Lecture Series. We are also thankful to all the participants as well as the faculty members for attending the programme. Dr. Kamad Kumar, Dr. P. C. Mathpal, Dr. Pawan Tamta, Dr. L.D.Mishra, Dr. Parvati Rastogi, Dr. B.S. Bisht, , Dr. Lalit Singh Rawat, Dr.Meenakshi Goswami, Dr. Anjali Yadav, Dr. Sandeep Pandey, Dr. Manoj Kumar, Dr. Pratibha Negi, Dr Kishor Kumar, Dr. Poonam, Dr. Arun Kumar actively participated in the lecture. Finally, we would like to extend our sincere thanks to each and everyone who were directly or indirectly involved in making the lecture successful.

By,
Dr. Garima Punetha
(Coordinator)
Assistant Professor Physics
Govt Post Graduate College Berinag,Pithoragarh