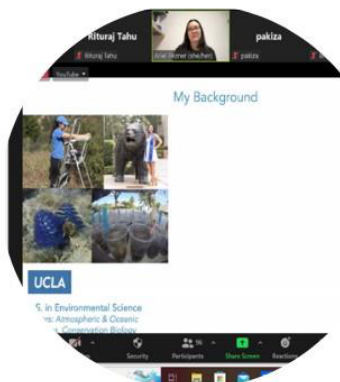




গড়গাঁও মহাবিদ্যালয়  
GARGAON COLLEGE

**A REPORT ON**  
**INTERNATIONAL WORKSHOP**  
**CAREER PLANNING: EXPLORING**  
**THE RECENT TRENDS IN THE**  
**OCEAN OF SCIENCE**

**Date: 08.06.2023 to 09.06.2023**





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GARGAON COLLEGE  
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**DATE: 08.06.2023 to 09.06.2023**

**RESOURCE PERSON**

*Day 1:*

**Dr. Ariel Pezner**, Postdoctoral Fellow at the Smithsonian Marine Station, US

**Dr. Utsarga Adhikary**, Postdoctoral Fellow at Harvard University, US

*Day 2:*

**Dr. Koilyan Raidongia**, Associate Professor, Department of Chemistry, IIT  
Guwahati

**Dr. Sumit Dandapat**, Postdoctoral Fellow at King Abdullah University of Science  
and Technology, Saudi Arabia

**TITLE OF THE PROGRAM**

**TWO DAYS ONLINE INTERNATIONAL WORKSHOP “CAREER  
PLANNING: EXPLORING THE RECENT TRENDS IN THE OCEAN OF  
SCIENCE”**



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## **OVERVIEW OF THE PROGRAM**

The main objective of the Workshop is to provide a platform where students from different fields of science can explore career opportunities in reputed international organizations abroad. This will help them in identifying their individual capabilities and systematically choosing career goals to develop their future value in upcoming fields of research. The Department of Geology, the Department of Chemistry and the IQAC Gargaon College, Simaluguri, Assam in collaboration with the Department of Applied Geology, Dibrugarh University, Assam have organised a two days Online International Workshop titled “Career planning: Exploring the Recent Trends in the Ocean of Science” on the Occasion of World Ocean Day 2023 on 8<sup>th</sup> and 9<sup>th</sup> June, 2023.

The main objectives of the Workshop were to provide a platform where students from different fields of science can explore career opportunities in reputed international organizations. This will help them in identifying their individual capabilities and systematically choosing career goals to develop their future value in upcoming fields of research.

On 8<sup>th</sup> June, Dr. Sabyasachi Mahanta, Principal, Gargaon College has inaugurated the international workshop and mentioned about the importance of celebrating the World Ocean Day in present day context. He has also emphasised on the protection of oceans, Global warming, Climate change and sustainable eco-system.

The first lecture was delivered by Dr. Ariel Pezner on “Coral reef biogeochemistry: Application and Opportunities”. Dr. Pezner is a Postdoctoral Fellow at the Smithsonian Marine Station. She is currently working on the impacts of ocean



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deoxygenation on coral health. In her presentation, she has spoken about the importance of the study of coral reefs. Coral reefs are present in the ocean and assumed to be highly oxygenated. But due to the global warming and climate change, deoxygenation in ocean is occurring and coral reef can be taken as a proxy for this environmental and climatic change. She has also mentioned that Global warming will reduce the available oxygen on corals, leading to increased exposure to hypoxic condition. She has also spoken about how she has worked in two different research field from B.S in Environmental Science to PhD in Oceanography so that students can also show their keen interest in many different fields in the context of research industry. The session end with the interaction with the audience and have received feedback as well.

The second lecture was delivered by Dr. Utsarga Adhikary on “Targeting MCL-1 Triggers DNA Damage and an Anti-proliferative Response Independent from Mitochondrial Apoptosis Induction”. Dr. Adhikary is a postdoctoral research fellow in the Walensky laboratory at the Dana Farber Cancer Institute in Boston, where he studies key protein-protein interactions in the critical physiological processes cell death and the cell cycle in the context of cancer. In his presentation, he has demonstrated about an anti- proliferative and DNA damage effect of Mcl-1 and pharmacological inhibition across cells and tissues distinct from apoptosis, uncovering sensitivity to Microtubule Targeting Agents (MTAs) upon Mcl-1 detection and also about clinical relevance: Efficacy vs Toxicity. He has also spoken about his research details while he was doing PhD at Harvard University,



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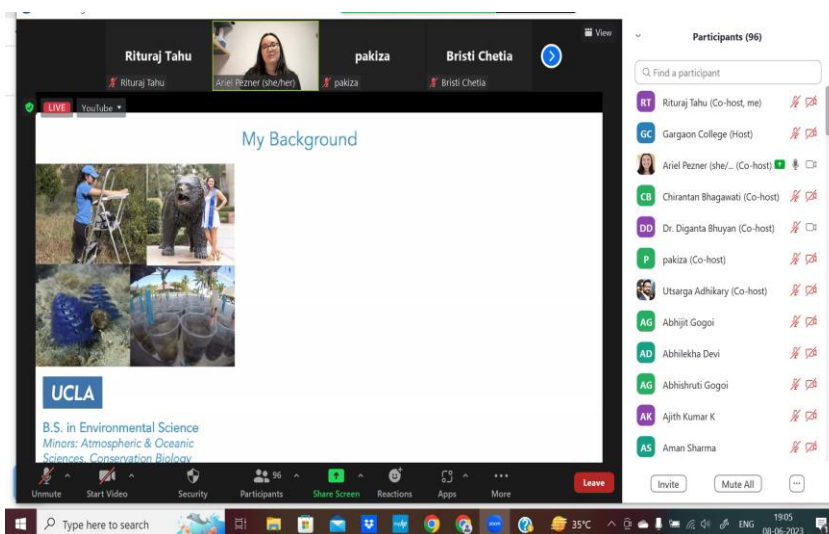
USA. In the of his session, he has informed about different career opportunities in reputed research organization. The session end with the interaction with the audience and have received feedback as well.

					
<b>গড়গাঁও মহাবিদ্যালয় GARGAON COLLEGE</b>			<b>8th &amp; 9th JUNE 2023</b>		
<b>Two Days International Workshop on Career Planning: Exploring the Recent Trends in the Ocean of Science</b>					
<b>Day 1</b>		<b>Inauguration:</b> <b>Dr. Sabyasachi Mahanta</b> Principal Gargaon College 		<b>Invited Speakers</b> <b>Dr. Ariel Pezner</b> Postdoctoral Fellow Smithsonian Marine Station, USA  <b>Dr. Utsarga Adhikary</b> Postdoctoral Fellow Dana Farber Cancer Institute, Boston, USA 	
<b>Day 2</b>		<b>Invited Speakers</b> <b>Dr. Kalyan Raidongia</b> Associate Professor, Deptt. of Chemistry, IIT, Guwahati, India  <b>Dr. Sumit Dandapat</b> Postdoctoral Fellow King Abdullah University of Science and Technology, Saudi Arabia 			
<b>Registration link: <a href="https://forms.gle/B36Ft1DVpe8LWiDx9">https://forms.gle/B36Ft1DVpe8LWiDx9</a></b>					
<b>Coordinator:</b> Dr. Chirantan Bhagawati, Assistant Professor, Deptt. of Geology Email: <a href="mailto:chirantambhagawati@gmail.com">chirantambhagawati@gmail.com</a> Mobile: 8080559501		<b>You can also register by</b> 		<b>Organised by</b>	
<b>Coordinator:</b> Mr. Rituraj Taha Assistant Professor, Deptt. of Chemistry Email: <a href="mailto:rtaha@gmail.com">rtaha@gmail.com</a> Mobile: 8011348750		<b>IQAC Coordinator</b> Dr. Surajit Saikia, Assistant Professor, Deptt of Economics Email: <a href="mailto:sajiasurajit86@gmail.com">sajiasurajit86@gmail.com</a> Mobile: 8080559501		Department of Geology, Gargaon College Department of Chemistry, Gargaon College Department of Applied Geology, Dibrugarh University	



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## SOME SNAPSHOTS OF THE EVENT





## SCREENSHOT OF THE PARTICIPANTS PRESENT OVER ZOOM

The screenshot shows a Zoom meeting in progress. The main window displays a presentation slide with the title "Application of different Ocean Models in the Bay of Bengal" and the presenter's name "Sumit Dandapat". The slide content is partially obscured by a large, light-colored watermark. The Zoom interface includes a top bar with "Zoom Meeting" and "You are viewing Sumit Dandapat's screen". A right-hand sidebar shows a list of 78 participants, including Pimily Langthasa, Gargaon College (Host), Sumit Dandapat, Pakiza, and Rituraj Tahu. Below the participant list, there is a section for an "International Workshop on Career Planning-Exploring the Recent Trends in the OC...".

The screenshot shows a Zoom meeting in progress. The main window displays a presentation slide with the title "Ocean General circulation model (OGCM): A mathematical model of the general circulation of ocean. It uses the Navier-Stokes equations on a rotating sphere with thermodynamic terms." Below the text is a diagram titled "Ocean Model Applications" with arrows pointing to various applications: Ship route detection, Physical process, Biochemical process, Coastal upwelling, Climate change, Forecast natural disasters, Fishing zone detection, and Offshore oil extraction. The Zoom interface includes a top bar with "Zoom Meeting" and "LIVE". A right-hand sidebar shows a list of 74 participants, including Sandeepa Agarwalla, SANGITA CHAKRABARTY, Selchee Borgohain, Shiruti, and Shirutirtha Bhattacharjee. Below the participant list, there is a section for an "International Workshop on Ca...".



## LIST OF PARTICIPANTS

Participants (100)

Find a participant

- |    |                                 |  |  |
|----|---------------------------------|--|--|
| RT | Rituraj Tahu (Co-host, me)      |  |  |
| GC | Gargaon College (Host)          |  |  |
|    | Ariel Pezner (she/... (Co-host) |  |  |
| A  | Arandao Narzary (Co-host)       |  |  |
| CB | Chirantan Bhagawati (Co-host)   |  |  |
| DD | Dr. Diganta Bhuyan (Co-host)    |  |  |
| P  | pakiza (Co-host)                |  |  |
|    | Utsarga Adhikary (Co-host)      |  |  |
| AG | Abhijit Gogoi                   |  |  |
| AD | Abhilekha Devi                  |  |  |
| AG | Abhishruti Gogoi                |  |  |
| AK | Ajith Kumar K                   |  |  |





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### **REGISTRATION LINK OF THE PROGRAMME**

<https://docs.google.com/spreadsheets/d/1E95l2reMffcVQyRfd8sbvwq75KFkHS7TiEOJjkZEXZg/edit?usp=drivesdk>

### **SAMPLE CERTIFICATE LINK OF THE PROGRAMME**

<https://drive.google.com/file/d/12tskReGlEXC0nSZv07Td3WREe-ZB5XVZ/view?usp=drivesdk>

### **ZOOM LINK OF THE PROGRAMME**

<https://us02web.zoom.us/j/84174139636?pwd=SzFRR1E0S0NTb0hrdDZrMUtuaW0yUT09>

### **YOUTUBE LINK OF THE PROGRAMME**





## NEWS PAPER CUTTING

### International workshop on Ocean of Science

OUR CORRESPONDENT  
SIVASAGAR, June 10: The Department of Geology, the Department of Chemistry and the IQAC of Gargaon College in collaboration with the Department of Applied Geology, Dibrugarh University, Assam organized a two-day online international workshop on "Career Planning: Exploring the Recent Trends in the Ocean of Science" on June 8 and June 9 to mark the World Ocean Day 2023.

The main objective of the two day workshop was to provide a platform where students and researchers from different fields of science can explore career opportunities in reputed international organizations. This will help them in identifying their individual capabilities and systematically choosing career goals to develop their future value in upcoming fields of research.

The international workshop started with an inaugural note by Dr Sabyasachi Mahanta, renowned academican and Principal of Gargaon College. Dr Mahanta highlighted the importance of celebrating the World Ocean Day in present day context. He has also emphasized the protection of oceans, global warming, climate change and sustainable eco-system. In addition, he applauded the organisers for arranging the event which will contribute as a significant step towards the mission of Gargaon College to develop human resource in this part of Assam. The sessions were chaired by Prof Kapana Deka Kalita, Department of Applied Geology, Dibrugarh University, Dr Chandraditya Gogoi, HoD, Department of Geology and Dr Anna Gogoi, HoD, Department of Chemistry of Gargaon College. Following this, Prof Diganta

Bhuyan, HoD, Department of Applied Geology, Dibrugarh University welcomed all the participants and outlined the significance of celebration of World Ocean Day towards imparting knowledge and research opportunities in this dynamic field of ocean and its importance in climate and environmental sustainability. Dr Pakiza Begum, Assistant Professor, Department of Chemistry, Gargaon College moderated the first day sessions of the workshop. The first invited talk was delivered by Dr Ariel Pezner on "Coral Reef Biogeochemistry: Application and Opportunities". Dr Pezner is a Postdoctoral Fellow at the Smithsonian Marine Station. She is currently working on the impacts of ocean de-oxygenation on coral health. In her presentation, she has thrown light on the importance of the study of coral reefs. Coral reefs

are present in the ocean and assumed to be highly oxygenated, she added. But due to the global warming and climate change, deoxygenation in ocean is occurring and coral reef can be taken as a proxy for this environmental and climatic change. She has also mentioned that Global warming will reduce the available oxygen on corals, leading to increased exposure to hypoxic condition. She also stated how she has worked in two different research fields from BS in Environmental Science to PhD in Oceanography so that students can also show their keen interest in many different fields in the context of research industry. The second lecture was delivered by Dr Utsarga Adhikary on "Targeting MCL-1 Triggers DNA Damage and an Anti-proliferative Response Independent from Mitochondrial Apoptosis Induction". Dr

Adhikary is a postdoctoral research fellow in the Walensky laboratory at the Dana Farber Cancer Institute in Boston, where he studies key protein-protein interactions in the critical physiological processes cell death and the cell cycle in the context of cancer. In his presentation, he demonstrated about an anti-proliferative and DNA damage effect of Mcl-1 and pharmacological inhibition across cells and tissues distinct from apoptosis, uncovering sensitivity to Microtubule Targeting Agents (MTAs) upon Mcl-1 detection and also about clinical relevance: Efficacy vs Toxicity. He also spoke about his research details while he was doing PhD at Harvard University, USA. In the end of this session, he has informed about different career opportunities in reputed research organization. The sessions ended with an interaction with the audience.

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