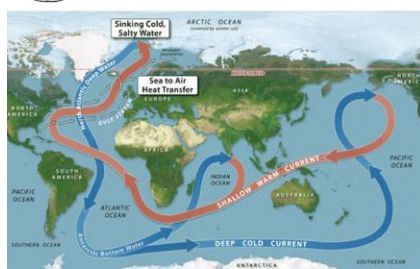


Recent Progress in Oceanography and its prospects



The recent trends in Oceanography and its prospects



World Ocean Day 2021

Science talks and interactions with international researchers

8th June 2021



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Dr. Sabyasachi Mahanta, Principal, Gargaon College

Coordinator:
Dr. Chirantan Bhagawati, Department of Geology, Gargaon College

Moderator:
Ms. Mustafiza Nasreen (M. Sc. pursuing), Department of Applied Geology, Dibrugarh University

Contact us at: chirantanbhagawati@gmail.com

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Resource Persons	Resource Persons	Resource Persons
<p>Dr. Danielle Lemmon</p> <p>Dr. Danielle Lemmon has remarkable research experience on climate dynamics and has achieved prestigious awards and honors in this field including the prestigious National Science Foundation (NSF). Dr. Danielle is currently working as Post Doctoral Research Fellow at the Centre for Climate Physics, Institute for Basic Science, Busan and Pusan National University, Busan, Republic of Korea. She has completed her Ph.D. in Atmospheric and Oceanic Sciences from the University of Colorado Boulder, USA. Her Ph.D. research work includes El Nino Southern Oscillations- Mean State Interactions which plays a very important role in atmospheric dynamics. She has completed her Graduate Certificate in Science and Technology Policy and B.Sc. Physics from the University of Washington. Besides, she has sound working experience at Cosmogenic Nuclide Laboratory, University of Washington, Woodruff Scientific Computing, Inc. and Graduate Teacher Program Lead, CU Boulder.</p>	<p>Dr. Sumit Dandapat</p> <p>Dr. Sumit Dandapat has extensive research experience in Physical Oceanography having a sound scientific and technical caliber in numerical ocean modelling. Presently he is working as Post Doctoral Research Fellow, King Abdullah University of Science and Technology (KAUST), Saudi Arabia. Dr. Dandapat has completed his Ph. D. from IIT Kharagpur, India. During his Ph.D. research, he has worked in numerical simulation of the interannual variabilities of the Bay of Bengal. Thereafter he has worked as Project Scientist C in Indian Institute of Tropical Meteorology (IITM-Pune), India. He has profound working experience in regional ocean modelling of Indian Ocean using different ocean models. Prior to this, he completed his Masters in Mathematics from Tezpur University, Assam.</p>	<p>Dr. Pavan Harika Raavi</p> <p>Dr. Pavan Harika Raavi has significantly worked on Tropical Cyclone formation mechanisms and their relationship to climate. Presently, she works as Post Doctoral Researcher at the Centre for Climate Physics, Institute for Basic Science, Busan and Pusan National University, Busan, Republic of Korea. She has completed her PhD from the School of Earth Sciences, University of Melbourne, Australia and has sound technical cum scientific caliber on application of numerical climate model simulations and novel data mining and machine learning methods in weather and climate fields with specialization in extreme weather events forecast. She has received a number of prestigious awards and fellowships in her career. Prior to this, she has completed M. Tech in Earth System Science at IIT Kharagpur and her BE in Naval Architecture and Marine Engineering from Andhra University, India.</p>

Background:

Oceans play an important role in global climate system. Recent global warming has led to increase in the Sea Surface Temperature of the global oceans thereby resulting in rise in intensity of the extreme events such as Tropical Storms, sea level extremes in coastal regions and associated natural hazards. This has resulted in an alarming scenario for highly populated coastal areas, commercially important ports as well as offshore exploration activities. Therefore, current program endeavors to demonstrate the recent trends in research activities associated with this field of oceanography and climate change.

Registration open: Interested candidates are requested to register at <https://forms.gle/qXPgxt3WYMEtQQDm6>

An International webinar on “Recent Progress in Oceanography and its prospects” was organised on the occasion of World Ocean Day in virtual mode on 8th June, 2021. Three International Resource Persons, Dr Pavan Harika Raavi and Dr Daniel Lemon, from the Centre for Climate Physics, Institute for Basic Science, Busan, Dr Sumit Dandapat from King Abdullah University of Science and Technology, Saudi Arabia delivered talks in the event. Prof. S P Biswas, Retd. Professor from the Department of Life Science Dibrugarh University presented an inaugural talk. Event was attended by more than 100 participants from different academic institutions across India.