

Reg. No.	Abstract Title	Presenting Author	Mode	Session
1. Crustal Evolution And Reconstruction				
NCPS2023/99	Synthetic Aperture Radar Data in Mapping the Major Basement Tectonic Features and Their Relationship with the Distribution of Volcanoes and Volcanic Fields in Antarctica	Prof. K S Misra	Oral	Crustal Evolution: Insight from Recent Geophysical and Geological Investigations
NCPS2023/163	Broadband Seismological Observatory Analysis of noise characteristics and crustal structure beneath the Larsemann Hills, Antarctica	Dr. Padma Rao B	Oral	Geochronology, Geochemistry and Petrology
NCPS2023/166	A geophysically constrained crustal element map of East Antarctica between Enderby Land and Princess Elizabeth Land: Implications towards Proterozoic supercontinent amalgamations	Dr. Giri Yellalaheruvu	Oral	Crustal Evolution: Insight from Recent Geophysical and Geological Investigations
NCPS2023/238	Solid Earth Interactions in Antarctica: Insights from Geophysical and Geodetic Measurements	Dr. Ravi Kumar Muppidi	Oral	Geodesy and geodynamics
NCPS2023/440	Elucidating sub-ice geology of Princess Elizabeth Land-Amery Ice Shelf, East Antarctica by connecting geology and geophysics	Dr. Devsamridhi Arora	Oral	Crustal Evolution: Insight from Recent Geophysical and Geological Investigations
NCPS2023/450	Metamorphic evolution of Easter Peninsula Gneiss, Larsemann Hills, East Antarctica: insights from phase equilibria modelling and monazite-zircon geochronology	Mr. Mohammad Sadiq	Oral	Geochronology, Geochemistry and Petrology
NCPS2023/454	Geology of cDML through two orogenies-A review.	Dr. Sandip Kumar Roy	Oral	Geochronology, Geochemistry and Petrology
NCPS2023/140	Petrogenetic evolution of the alkaline intrusions from Schirmacher Oasis, central Dronning Maud Land, East Antarctica.	Mr. Raghuram	Poster	Geochronology, Geochemistry and Petrology
NCPS2023/190	Gravity Inversion with Seismic Constraints to map the crustal thickness beneath Antarctica	Mr. Arka Roy	Poster	Crustal Evolution: Insight from Recent Geophysical and Geological Investigations
NCPS2023/232	Shear Zone related high grade metamorphism in the Schirmacher Oasis	Mr. Rosan Kumar Mallik	Poster	Crustal Evolution: Insight from Recent

OSC Oral

OSC Poster

YPSM

Note: Please confirm your acceptance of participation using your NCPS log-in account (<http://ncps.ncpor.res.in/login.php>) as soon as possible, but no later than April 30th, 2023, or it will be considered declined. A formal acceptance email with all the conference details will be sent shortly.

Reg. No.	Abstract Title	Presenting Author	Mode	Session
	and its implications on the East African Orogeny geodynamics-an overview			Geophysical and Geological Investigations
NCPS2023/267	Meteorite found in Antarctica - Unlock the aqueous history of Mars.	Mr. Aditya Das	Poster	Geochronology, Geochemistry and Petrology
NCPS2023/437	3D lithospheric velocity structure of India, Himalaya and Tibet using Rayleigh wave dispersion data	Dr. Siddharth Dey	Poster	Crustal Evolution : Insights from recent Geophysical and Geological Investigations
NCPS2023/453	Presence of complex metamorphic terrain in the interior of Princess Elizabeth Land: evidence from englacial moraines	Dr. Mayuri Pandey	Poster	Crustal Evolution: Insight from Recent Geophysical and Geological Investigations
NCPS2023/173	Collisional setting signatures through Geochemical Characterization of offshore sediments from Prydz Bay, East Antarctica	Mr. Akash Kumar Pandey	Poster	Geochronology, Geochemistry and Petrology
NCPS2023/315	Reworking of the Prydz Bay UHT granulites: a microstructural perspective	Mr. Sandro Chatterjee	Poster	Crustal Evolution: Insight from Recent Geophysical and Geological Investigations
NCPS2023/320	Reconstruction between India-Antarctica-Australia from Archean to Pan-African age: insights into the Indo-Antarctic and Indo-Australo suture position and their inter-relation	Ms. Aishi Debnath	Poster	Crustal Evolution: Insight from Recent Geophysical and Geological Investigations
2. Space Weather And Meteorology				
NCPS2023/3	Investigation of dust aerosols over the Arctic in regional climate model	Dr. Rohit Srivastava	Oral	Weather and Climate
NCPS2023/27	Characteristics of precipitation in Arctic-perspectives from Ny Alesund, Svalbard	Dr. Nuncio Murukesh	Oral	Weather and Climate
NCPS2023/91	Influence of tides in driving the polar upper atmospheric winds	Dr. S Sridharan	Oral	Solar-terrestrial Interaction Studies

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/235	A new perspective on multi-platform observations of stratospheric intrusion into the troposphere over Bharati (69.41oS, 76.19oE) during ISEA-35	Dr. Siddarth Shankar Das	Oral	Weather and Climate
NCPS2023/277	Simulation and evaluation of short range prediction using Polar WRF model over Antarctica	Mr. Anikender Kumar	Oral	Weather and Climate
NCPS2023/278	Response of low-latitude middle atmosphere to a major Antarctic sudden stratospheric warming	Dr. Amitava Guharay	Oral	Solar-terrestrial Interaction Studies
NCPS2023/357	High and low latitudes coupling during the intense geomagnetic storms of solar cycle 25	Dr. Rashmi Rawat	Oral	Solar-terrestrial Interaction Studies
NCPS2023/435	Global lightning activity and its effects on surface electric field over Antarctica	Dr. Jeni Victor N	Oral	Weather and Climate
NCPS2023/460	Decadal variability of aerosol properties over Ny-Ålesund: Results from Indian scientific expeditions to the Arctic	Dr. Mukunda M Gogoi	Oral	Weather and Climate
NCPS2023/44	Spatial and Temporal Variation of Bipolar Air Ion Concentrations- dual station observation at Maitri and Bharati	Mr. Jeeva K	Poster	Solar-terrestrial Interaction Studies
NCPS2023/209	Quiet time geomagnetic field variations at polar latitudes	Mr. Atul Kulkarni	Poster	Solar-terrestrial Interaction Studies
NCPS2023/241	Comparison of bottomside ionospheric profile parameters (B0 and B1) extracted from FORMOSAT-7/COSMIC-2 GNSS Radio occultations with Digisondes and IRI-2016 model	Dr. Arun Kumar Singh	Poster	Solar-terrestrial Interaction Studies
NCPS2023/256	Application of Machine Learning for the Understanding of High-Latitude Substorm Dynamics	Dr. Anand K. Singh	Poster	Solar-terrestrial Interaction Studies
NCPS2023/353	Analysis of variations in Solar and Geomagnetic Parameters for Solar Cycle 24 using Statistical (ANOVA) method	Dr. Deepak Kumar Sondhiya	Poster	Solar-terrestrial Interaction Studies
NCPS2023/358	Trends in Tropopause Folding Events Over Antarctica in the Recent Decade Using Movable Atmospheric Radar for Antarctica	Mr. Ajilesh P P	Poster	Weather and Climate

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/380	Seasonal and solar activity dependence of TEC over Bharati station	Prof. Gopi K Seemala	Poster	Solar-terrestrial Interaction Studies
NCPS2023/46	Blizzard Phenomenon in Maitri: An Analysis of 32 Years of Katabatic Wind Pattern	Mr. Vivek Kumar	Poster	Weather and Climate
NCPS2023/80	Low-latitude planetary wave dynamics during a rare 2019 Antarctic Sudden Stratospheric Warming	Mr. Gourav Mitra	Poster	Solar-terrestrial Interaction Studies
NCPS2023/111	Role of Domain Size in Simulating Heavy Precipitation Events over Himalaya using WRF Modeling System	Mr. Peeyush Gupta	Poster	Weather and Climate
NCPS2023/112	Observational evidence for the influence of stratospheric planetary wave and ozone variabilities on the middle atmospheric winds and tides over Antarctica	Ms. Reetambhara Dutta	Poster	Solar-terrestrial Interaction Studies
NCPS2023/157	Variation of Aerosol Optical properties over the Hornsund, Svalbard Arctic	Mr. Ritesh Kumar	Poster	Weather and Climate
NCPS2023/158	Investigation of Aerosol properties over Indian Antarctic research station Maitri	Mr. Sunil Kumar	Poster	Weather and Climate
NCPS2023/180	Investigation of M-I coupling generated mid-latitude phenomena using ground-based OI 630.0 nm dayglow measurements	Mr. Kshitiz Upadhyay	Poster	Solar-terrestrial Interaction Studies
NCPS2023/195	An extreme precipitation event over Dronning Maud Land, East Antarctica - A case study of an atmospheric river event using the Polar WRF Model	Mr. Sibin Simon	Poster	Weather and Climate
NCPS2023/458	A study of upper ocean characteristics in response to the three intense re-curling tropical cyclones from the Arabian Sea using satellite and in-situ measurements	Dr. Adarsh Dube	Poster	Weather and Climate
3. Southern Ocean				

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/67	Short-term time-series observations of phytoplankton light-absorption and productivity in Prydz Bay, coastal Antarctica_x000D_ _x000D_	Dr. Sarat Chandra Tripathy	Oral	Biogeochemical Processes
NCPS2023/141	Barotropic Tides in MPAS-Ocean: Impact of Ice Shelf Cavities	Dr. Nairita Pal	Oral	Ocean Modelling
NCPS2023/168	Interannual variability of bio-optical characteristics in the Indian sector of the Southern Ocean during austral summer	Dr. Sudarsana Rao Pandi	Oral	Biogeochemical Processes
NCPS2023/226	Decadal changes in phytoplankton compositions in Southern Ocean and Global Ocean influenced by biogeochemical variables	Dr. Rajani Kanta Mishra	Oral	Biogeochemical Processes
NCPS2023/286	Influence of Circumpolar Deep Water intrusion on the nutrient dynamics and biogeochemical processes at the Polar Front in the Indian sector of the Southern Ocean	Dr. Melena A. Soares	Oral	Biogeochemical Processes
NCPS2023/397	Dimethyl sulfide (DMS) flux parametrization “ Quantifying the differences	Dr. Shrivardhan Hulswar	Oral	Ocean-atmospheric Processes
NCPS2023/436	Impact of ENSO, SAM and AMO over Extreme Wave Climate in Southern Ocean	Dr. Prashant Kumar	Oral	Ocean Modelling
NCPS2023/452	Recent unusual warming events in the Prydz Bay, East Antarctica during austral summer	Dr. P. Sabu	Oral	Ocean-atmospheric Processes
NCPS2023/246	Occurrence of Antarctic bottom water in the Southwest Indian ridge, the eastern side of the Melville fracture zone	Mr. Srinivas Rao Arvapalli	Poster	Ocean-atmospheric Processes
NCPS2023/289	Biogeochemical cycling of cadmium in the Southern Ocean- A promising productivity tracer?	Dr. Ejin George	Poster	Biogeochemical Processes
NCPS2023/314	Seasonal chlorophyll modulation in the Indian sector of the Southern Ocean: Bio-Argo measurements	Dr. Prince Prakash	Poster	Biogeochemical Processes

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/89	Decadal variability of phytoplanktonic productivity in the Indian Sector of the Southern Ocean during austral summer	Mr. Sunil Kumar Padhi	Poster	Biogeochemical Processes
NCPS2023/115	Is Pristine Antarctica at Risk from Microplastics?	Dr. K.Gurumoorthi	Poster	Ocean-atmospheric Processes
NCPS2023/123	Interannual-to-decadal variability of the Antarctic Slope Front and Southern Boundary of the Antarctic Circumpolar Current in the Indian Sector of the Southern Ocean: A study based on Model and Reanalysis data	Mr. Soumyadeep Dutta	Poster	Ocean Modelling
NCPS2023/171	Ocean-Atmosphere CO ₂ Exchange in Southern Ocean During the Last Deglaciation	Mr. I V Satya Chanakya	Poster	Ocean-atmospheric Processes
NCPS2023/214	Phytoplankton diversity in relation to biophysical processes in the Indian sector of Southern Ocean	Mr. Sreerag A	Poster	Biogeochemical Processes
NCPS2023/299	Sea water Dimethyl sulfide (DMS) climatologies, and trends	Mr. Sankirna D. Joge	Poster	Biogeochemical Processes
NCPS2023/305	Paleoclimatic study from Indian Sector of Southern Ocean based on fossil diatoms	Mr. Savio Miranda	Poster	Ocean-atmospheric Processes
NCPS2023/316	Interaction of coastal and open ocean waters in the Prydz Bay region of the Indian Sector of the Southern Ocean	Ms. Aswathi Das M. T.	Poster	Ocean-atmospheric Processes
NCPS2023/328	Biogeochemical cycling of Barium in the Indian Sector of Southern Ocean	Mr. Mohammad Nuruzzama	Poster	Biogeochemical Processes
NCPS2023/367	Southward shift of Polar Front in the Indian sector of the Southern Ocean during austral summer 2017: Hydrographic changes and its responses to chlorophyll-a	Ms. Nirmala J	Poster	Ocean-atmospheric Processes
NCPS2023/382	Reconstructing Southern Ocean Paleoclimates through analysis of <i>Fragilariopsis Kerguelensis</i> and <i>Thalassiosira Lentiginosa</i> diatom size variations	Mr. Soumya Parab	Poster	Ocean-atmospheric Processes

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/420	Infering paleoclimate from the Kerguelen region of Southern Ocean of past 35ky to 42ky_x000D_x000D_	Mr. Sanket Parabgaonkar	Poster	Ocean-atmospheric Processes
NCPS2023/442	Oxygen Isotopes in the Southern Ocean during 2017-18 Austral summer	Ms. Viola Rodrigues	Poster	Biogeochemical Processes
NCPS2023/445	Physical and biogeochemical features in the Polar, Subantarctic, and Subtropical fronts of the Indian sector of the Southern Ocean: Insights from the 8th Indian Ocean expedition	Ms. Jessin Joy Alex	Poster	Ocean-atmospheric Processes
NCPS2023/446	Observed short-term hydrographic and biogeochemical changes in the Subtropical and Polar Fronts during the austral summer of 2011	Ms. Krishnaveni Krishnankutty	Poster	Biogeochemical Processes
4. Climate Change And Variability				
NCPS2023/40	Is Amundsen-Bellingshausen Seas-Low affecting trace gas air-sea fluxes in_x000D_the Antarctic Ocean?	Dr. Vinu Valsala	Oral	Physical forcings, biogeochemical feedbacks and variability
NCPS2023/60	Beryllium isotopic distribution in the Indian Ocean: Implications to spatial heterogeneity, sedimentation rates, depositional flux and production rate variation	Prof. Ravi Bhushan	Oral	Past climate variability and global linkages
NCPS2023/131	Influence of Azores High on Indian summer monsoon in the current climate change regime	Dr. Dr. Ramesh Kumar Yadav	Oral	Climate change and impact in polar regions
NCPS2023/134	Late Holocene environments in Subarctic Atlantic and Arctic Seas	Dr. Alexander Matul	Oral	Past climate variability and global linkages
NCPS2023/151	Intensification of Arabian Sea Cyclone Genesis potential and its association with Arctic Warming	Dr. Vidya P.J	Oral	Climate change and impact in polar regions
NCPS2023/165	Arctic-Indian Monsoon Teleconnections: Insights from a Multi-proxy Geochemical Record from Kongsfjorden	Dr. Vikash Kumar	Oral	Past climate variability and global linkages

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/201	Secondary Organic Aerosol Formation over the Eastern Himalayas: Implications from Atmospheric Water-Soluble Low-Molecular-Weight Organic Compounds	Dr. Dhananjay Kumar	Oral	Climate change and impact in polar regions
NCPS2023/212	Variations in the Agulhas Current during Quaternary: Planktic Foraminiferal Evidences from IODP-U1474A	Dr. Vikram Pratap Singh	Oral	Past climate variability and global linkages
NCPS2023/215	Role of regional climate modes in Kongsfjorden over the last decade	Ms. Divya David T	Oral	Climate change and impact in polar regions
NCPS2023/245	Recent ice sheet surface warming over Dronning Maud land, East Antarctica	Dr. Lalraj C M	Oral	Climate change and impact in polar regions
NCPS2023/329	RESPONSE OF AN EAST ANTARCTIC LAKE TO THE GLACIAL-INTERGLACIAL VARIATIONS IN CLIMATE: PRELIMINARY RESULTS	Dr. Anish Kumar Warriar	Oral	Climate change and impact in polar regions
NCPS2023/336	Evolution of Mochou Lake ecosystem in Larsemann Hills, East Antarctica over the last c.30,000 years	Dr. Mahesh Badnal	Oral	Climate change and impact in polar regions
NCPS2023/345	“Hotspots” of summer melting over coastal Dronning Maud Land	Dr. Pranab Deb	Oral	Climate change and impact in polar regions
NCPS2023/399	Biostratigraphic record of Late Quaternary glacial-interglacial events in Kongsfjordhallet, North West Svalbard, Arctic	Dr. Anupam Ghosh	Oral	Past climate variability and global linkages
NCPS2023/408	Hydrological Response to Climate change in Third Pole: implications for water security of South Asia	Dr. Jayanarayanan Kuttippurath	Oral	Climate change and impact in polar regions
NCPS2023/443	The Southern Indian Ocean calcifying nannoplankton in the changing climate	Dr. Rahul Mohan	Oral	Physical forcings, biogeochemical feedbacks and variability
NCPS2023/26	Spatial distribution of modified Circumpolar Deep Water based on Instrumental Seal data in the Prydz Bay for Climate Change	Dr. Shailesh Pednekar	Poster	Climate change and impact in polar regions

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/85	Atlantic water influence in Hornsund fjord, Svalbard	Dr. Vineet Jain	Poster	Climate change and impact in polar regions
NCPS2023/107	Last Glacial to interglacial productivity pattern and dissolved iron utilization of the Prydz bay, Antarctica; Implications to meltwater plugs.	Dr. Sarathchandraprasad T	Poster	Past climate variability and global linkages
NCPS2023/138	Deglaciation ensued throughout the last glacial maxima in Ny-Ålesund region of Svalbard, Arctic.	Mr. Abhishek Verma	Poster	Climate change and impact in polar regions
NCPS2023/161	Environmental magnetism from lake sediment reveals late glacial “Holocene paleoenvironmental conditions and ice sheet changes in the Larsemann Hills.	Dr. Cheryl A. Noronha-D Mello	Poster	Physical forcings, biogeochemical feedbacks and variability
NCPS2023/169	Increase in tropospheric ozone in the Arctic as analysed using the ozonesonde and reanalysis data	Mr. Gopikrishnan G S	Poster	Climate change and impact in polar regions
NCPS2023/234	Ozone trends in the Antarctic and Arctic stratosphere for the period 1985-2020: Assessment of ozone recovery	Ms. Anjali Sathyanath	Poster	Climate change and impact in polar regions
NCPS2023/266	Implementation and evaluation of a high-resolution ecosystem model for the Kongsfjorden-Krossfjorden system	Dr. Teesha Mathew	Poster	Physical forcings, biogeochemical feedbacks and variability
NCPS2023/291	Comparison of Ocean Surface Conditions in Kongsfjorden, Svalbard, during the Holocene Thermal Maximum and Contemporary Warming Periods	Mr. Harikrishnan Guruvayoorappan	Poster	Past climate variability and global linkages
NCPS2023/295	Sources and formation processes of secondary organic aerosols in coastal Antarctic during summer	Dr. Suresh Kumar Reddy B	Poster	Climate change and impact in polar regions
NCPS2023/307	Variations in the Southern Ocean carbonate production, preservation, and hydrography for the past 41, 500 years: Evidence from coccolith and CaCO ₃ records	Ms. Dr. Abhilash Nair	Poster	Physical forcings, biogeochemical feedbacks and variability
NCPS2023/309	Coccolithophores calcification response to environmental changes and its implications on carbonate burial in the Southern Indian Ocean	Dr. Shramik	Poster	Climate change and impact in polar regions

OSC Oral

OSC Poster

YPSM



Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/341	Thirty-year Surface Climatology of Maitri, East Antarctic Station of India	Mr. Sunny Chug	Poster	Climate change and impact in polar regions
NCPS2023/360	Paleoceanographic Changes in the Indian Sector of the Southern Ocean- Radiolarian Based Sub-Surface Temperature Reconstruction	Dr. Abhilash Nair	Poster	Past climate variability and global linkages
NCPS2023/371	High-resolution record of Sea Surface Temperatures in the Indian sector of the Southern Ocean since ~26 kyr	Dr. Sunil Kumar Shukla	Poster	Past climate variability and global linkages
NCPS2023/383	Competing effects of Atlantification and meltwater discharge on productivity and preservation of organic carbon off Kongsfjorden, Svalbard during the Holocene	Dr. Syed Mohammad Saalim	Poster	Past climate variability and global linkages
NCPS2023/388	Ice-rafted debris variability from the western Indian sector of the Southern Ocean over the past 650 ka	Dr. Manoj M C	Poster	Past climate variability and global linkages
NCPS2023/393	Mid-latitude westerlies matter for the Third pole	Dr. Om Kumar	Poster	Past climate variability and global linkages
NCPS2023/421	Discernable role of dust in snowmelt over Himalayas, an anomaly from polar snowmelt	Prof. Chandan Sarangi	Poster	Physical forcings, biogeochemical feedbacks and variability
NCPS2023/465	'The organic scales of Haptophytes from the Southern Indian Ocean' An application study using FE-SEM technique	Ms. Sahina Gazi	Poster	Past climate variability and global linkages
NCPS2023/494	Late Quaternary glacial advance and retreat in Larsemann Hills, East Antarctica: Application of OSL surface exposure dating technique	Mr. Sharat Dutta	Poster	Past climate variability and global linkages
NCPS2023/38	Status of Glaciers in the Suru Basin and Chandra Basin in the Twenty-First Century using Non-Parametric Statistical Methods	Mr. Supratim Guha	Poster	Physical forcings, biogeochemical feedbacks and variability
NCPS2023/98	Does the Clausius-Clapeyron scaling exist in Ny Å...lesund, Svalbard?	Ms. Athulya R	Poster	Climate change and impact in polar regions

OSC Oral

OSC Poster

YPSM

Note: Please confirm your acceptance of participation using your NCPS log-in account (<http://ncps.ncpor.res.in/login.php>) as soon as possible, but no later than April 30th, 2023, or it will be considered declined. A formal acceptance email with all the conference details will be sent shortly.

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/136	Biological Darkening of the Glacial Surface: A Study at Chhota Shigri Glacier in the Western Himalaya	Ms. Monica S Shamurailatpam	Poster	Physical forcings, biogeochemical feedbacks and variability
NCPS2023/137	The dynamics of Indian Ocean Dipole - Antarctic teleconnection in CMIP6: characteristics and biases	Mr. Arnab Sen	Poster	Past climate variability and global linkages
NCPS2023/139	Productivity and Denitrification during Mid-Pleistocene Transition: Implications to South Asian Monsoon variability	Dr. Dr. Shubham Tripathi	Poster	Physical forcings, biogeochemical feedbacks and variability
NCPS2023/146	The Imprint of Southern Ocean Stratification on the Isotopic Composition of Antarctic Precipitation	Mr. Ajay	Poster	Past climate variability and global linkages
NCPS2023/221	Palaeo-glaciation extents in the Trans-Himalayan region of Lahaul and Spiti, Himachal Pradesh, India.	Mr. Uday Sharma	Poster	Past climate variability and global linkages
NCPS2023/224	Late Miocene to Holocene Paleooceanographic variability near the Subantarctic Front in Central South Pacific (Southern Ocean) and its impact on deep sea biota	Mr. Sunil K. Das	Poster	Past climate variability and global linkages
NCPS2023/228	Sea ice influenced climate variability in coastal Antarctica	Mr. Rahul Dey	Poster	Past climate variability and global linkages
NCPS2023/257	Response of East Antarctic temperature and sea ice variability over the Indian Ocean to climatic modes during the past two centuries	Mr. Tariq Ejaz	Poster	Climate change and impact in polar regions
NCPS2023/262	Paleoclimatic study of lake L2 in Schirmacher Oasis: Magnetic Susceptibility as a proxy	Mr. Shardool Kokare	Poster	Past climate variability and global linkages
NCPS2023/279	Energy Modelling and Cyclic variability in Sedimentation Pattern near the Chilean Margin during the middle to late Pleistocene (South East Pacific)	Mr. Suman Datta	Poster	Past climate variability and global linkages
NCPS2023/283	Spatiotemporal Variability in Aerosol Distribution Over the Indian Sector Of Southern Ocean And Coastal Antarctica During The Austral Summer	Ms. Shaikh Atiba Anis Ahmead	Poster	Climate change and impact in polar regions

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/323	Anthropogenic trace element (Cu, Pb) records in a coastal East Antarctic ice core for the past 200 years	Ms. Gayathri E M	Poster	Past climate variability and global linkages
NCPS2023/330	APPLICATION OF EUCLIDEAN DISTANCE IN IDENTIFYING A RELATIONSHIP BETWEEN CORONAL MASS EJECTION AND OUTGOING LONGWAVE RADIATION IN ANTARCTIC REGION	Mr. Adith V B	Poster	Climate change and impact in polar regions
NCPS2023/333	HIGH-RESOLUTION RECORD OF PALEOENVIRONMENTAL VARIATIONS FROM AN EAST ANTARCTIC LAKE	Mr. Jojugeorge Sebastian	Poster	Past climate variability and global linkages
NCPS2023/384	Tectonic and astronomical controls on deep ocean circulation intensities in the northern Indian Ocean since the late Miocene: Inferences from sortable silt size records in the lower Bengal Fan	Mr. Masud Kawsar	Poster	Past climate variability and global linkages
NCPS2023/395	Role of SST around Svalbard and its importance on precipitation at NyALesund	Mr. Rahul Dev	Poster	Climate change and impact in polar regions
NCPS2023/448	Identification of elevated dust layers and their effect on snow over the Western Himalayas_x000D_	Mr. Amit Singh Chandel	Poster	Climate change and impact in polar regions
NCPS2023/451	Examining Climate change over Alaknanda sub-basin from 1981-2020	Mr. Shivang Alok	Poster	Climate change and impact in polar regions
5. Cryospheric Processes And Dynamics				
NCPS2023/4	Deglaciation phases and generation of glacial deposits in Schirmacher Oasis, East Antarctica_x000D_	Dr. Yogesh Ray	Oral	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/149	Glacier's response to changing climate in Chandra basin, western Himalaya, during the last two decades	Dr. Parmanand Sharma	Oral	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/200	Holocene recession of Teesta Khangtse glacier, North Sikkim	Mr. Prakash Kumar Shrivastava	Oral	Cryospheric Processes and Variability

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/237	Glacier mass-balance processes to river runoff	Dr. Argha	Oral	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/242	Glaciological characteristics of the lake terminating Gepang Gath Glacier in the western Himalaya, India.	Dr. Bhanu Pratap	Oral	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/264	Snowfall from Western Disturbances sustained the “Karakoram Anomaly”	Prof. Pankaj Kumar	Oral	Cryospheric Processes and Variability
NCPS2023/296	Source and recharge estimation in groundwater using stable isotopes in the Tawi Watershed, Lesser Himalayas, Jammu District.	Dr. Meenu Sharma	oral	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/425	The dynamic East Antarctica Ice Sheet with special reference to cDML-A review.	Dr. Sandip Kumar Roy	Oral	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/55	Monitoring of Glacial Lake Dynamics in East Antarctica using UAV-based multispectral data.	Dr. Geetha Priya M	poster	Cryospheric Processes and Variability
NCPS2023/95	Integrated Remote Sensing for Mapping the Seasonal, Annual and Long Term Accumulation and Depletion Patterns of Snow Cover and Their Bearing on Climate Variability in Parts of Gharhwal Himalaya	Dr. Anshuman Misra	Poster	Cryospheric Processes and Variability
NCPS2023/125	Unravelling the Mysteries of Antarctic Albedo Changes in Response to ocean-atmospheric Factors	Ms. Aakriti Srivastava	Poster	Cryospheric Processes and Variability
NCPS2023/142	Differential velocity of the Ice sheet in Larsemann Hills area, East Antarctica: Based on precise ground observations	Mr. Surendra Jat	Poster	Cryospheric Processes and Variability
NCPS2023/150	Long term trend of Dakshin Gangotri glacier snout, Schirmacher Oasis, East Antarctica	Mr. Deepak Yuvraj Gajbhiye	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/155	Object-Based Image Analysis for Discrimination of Glacier Surface and Non-Glacier Surface Classes: A Case Study of Chhota Shigri Glacier	Ms. Kavita V. Mitkari	Poster	Glacier dynamics, processes and glacio-hydrological responses

OSC Oral

OSC Poster

YPSM



National Conference on Polar Sciences (NCPS-2023)

May 16-19, 2023

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/191	The pixel, the method, the map: Testing the reliability of facies mapping using very high-resolution satellite data	Mr. Sagar F. Wankhede	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/218	How can we map blue ice in Antarctica using satellites?	Mr. Sagar F. Wankhede	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/231	Influence of debris on mass balance, extent, velocity and surface morphology evolution at Companion Glacier, Central Himalaya	Dr. Purushottam Kumar Garg	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/343	Application of Ground Penetrating Radar in Permafrost mapping "a case study from Tso-Kar lake basin, Ladakh Himalaya", India.	Dr. Ahsan Ul Haq	Poster	Cryospheric Processes and Variability
NCPS2023/361	SCATSAT-1: Application in Snow-cover Monitoring using Super-Resolution Mapping	Dr. Vishakha Sood	Poster	Cryospheric Processes and Variability
NCPS2023/373	Application and potential of AMS based Radiocarbon Dating from Aeolian and Lacustrine Deposits for Reconstructing Quaternary Glaciation in the Himalaya	Dr. Pawan Kumar	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/462	Predictive Tool for Arctic Coastal Hydrodynamics and Sediment	Dr. Mohammad Saud Afzal	Poster	Cryospheric Processes and Variability
NCPS2023/8	Biogeochemical contributions to supraglacial meltwater chemistry and discharge during summer in coastal Antarctica	Dr. Gautami Samui	Poster	Cryospheric Processes and Variability
NCPS2023/22	Retreat of Lato group of the glaciers and GLOF hazard assessment of Lato lake in Ladakh region of north-western Himalaya, India.	Mr. Rayees Ahmed	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/43	Acoustic emission analysis of an experimental avalanche slope in Great Himalaya_x000D_ for snow slab fracture prediction.	Mr. Rahul Sheoran	Poster	Cryospheric Processes and Variability
NCPS2023/68	Glacial Lake Outburst Threat Assessment Using AHP Multi-Criteria Decision-Making Techniques in the Sikkim Himalaya	Ms. Tanisha Ghosh	Poster	Glacier dynamics, processes and glacio-hydrological responses

OSC Oral

OSC Poster

YPSM

Note: Please confirm your acceptance of participation using your NCPS log-in account (<http://ncps.ncpor.res.in/login.php>) as soon as possible, but no later than April 30th, 2023, or it will be considered declined. A formal acceptance email with all the conference details will be sent shortly.

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/106	Semi-Distributed Conceptual Hydrological Modelling of Dunagiri Glacier Streamflow, Dhauliganga River Basin, Central Himalaya, India	Ms. Arushi Sharma	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/108	Glacier Mass Balance Changes Over The Pir-Panjal Range (PPJR) and Great Himalayan Region (GHR) of North-Western Himalayas	Mr. Syed Towseef Ahmad	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/114	Glaciological site survey to determine an optimal ice coring site in coastal Dronning Maud Land, Antarctica	Dr. Vikram Goel	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/121	Evaluation of spatial distribution of glacier retreat and its controlling climatic parameters from 1971-2022 in Ravi basin, Western Himalaya	Ms. Payal Sharma	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/127	An analysis of Sutri Dhaka glacier discharge in the western Himalaya	Dr. Sourav Laha	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/143	Estimation of Glacier thickness and Volume in Kabul Basin, Afghanistan	Ms. Roja Asharaf	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/156	GLOF DRR (Disaster Risk Reduction)-EWS design and Artificial Lake Lowering	Dr. Ashim Sattar	Poster	Cryospheric Processes and Variability
NCPS2023/185	Monitoring Antarctic Ice Mass Balance with GRACE: Insights and Applications.	Mr. Uday Kumar	Poster	Cryospheric Processes and Variability
NCPS2023/197	Optical properties and export of dissolved organic matter from Chandra basin glaciers in the western Himalayas	Ms. Kamini Meshram	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/202	Estimating the accuracy of empirical volume estimation models of Glacial Lakes using ICESat/ICESat-2 and multispectral imagery in the Himalayas	Mr. Ravindra Kumar	Poster	Cryospheric Processes and Variability
NCPS2023/203	Feasibility of using Sentinel-1 data for resolving seasonal ice velocity of glaciers in High Mountain Asia	Mr. Vijaya Kumar Thota	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/207	Features of the Western Disturbances impacting Karakoram Anomaly	Mr. Aaquib Javed	Poster	Cryospheric Processes and Variability

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/211	Himalayan Glaciers are losing mass at a higher rate than previous estimates: A case study in the Baspa river basin_x000D_	Ms. Arya A R	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/225	Ab initio analysis of the Reduction in Snow Cover due to Black Carbon by Cellular Automata	Mr. Subhranil Mustafi	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/236	Englacial stratigraphy at Dome A, Antarctica derived using airborne radar-sounding surveys: A COLDEX perspective_x000D_	Ms. Shivangini Singh	Poster	Cryospheric Processes and Variability
NCPS2023/261	Distributed glacier ice thickness and volume estimation for Baspa Basin, Western Himalaya	Dr. Atar Singh	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/273	Hybrid polarimetry-based approach for Snow Wetness Estimation using SAR datasets	Mr. Shubham Awasthi	Poster	Cryospheric Processes and Variability
NCPS2023/276	Distributed surface energy and mass balance modeling of Chandra Basin glaciers in the semi-arid zone of Western Himalaya	Mr. Sunil N. Oulkar	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/300	Mapping and Measurement of Glacier Dynamics in Suru Basin	Mr. Umar Faruque	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/301	Halogen chemistry over the Indian Antarctic station Bharati	Ms. Shrutika Wagh	Poster	Cryospheric Processes and Variability
NCPS2023/303	Temporal Analysis of Glacier Mass Balance of Gori Ganga Basin using IAAR Method	Mr. Durgesh Dwivedi	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/311	Snow Cover Characterization Using Multi Temporal Sentinel-1 SAR Datasets in the Beas Basin of North-Western Himalayan Region	Mr. Mayank Upadhyay	Poster	Cryospheric Processes and Variability
NCPS2023/312	Glacial Lake dynamics and its response to climate variability in Eastern Himalaya (1990-2019)	Mr. Tapas Kumar Nahak	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/318	Role of UAV-Remote Sensing for Glacial Health Monitoring in Western Himalayas	Mr. Sayantan Mandal	Poster	Cryospheric Processes and Variability

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/322	Estimation of Surface Elevation Changes over Thwaites and Pine Island Glaciers, West Antarctica using SARAL/AltiKa	Ms. Priyanka Patel	Poster	Cryospheric Processes and Variability
NCPS2023/332	Assessment of glacial lakes prone to glacial lake outburst flood using multi-criteria decision analysis (MCDA) in Changme Khangpu basin, Sikkim Himalaya, India	Mr. Rajeev Rajak	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/337	Estimation of Accumulation Area Ratio of Mulkila glacier, Bhaga basin using ELA and pixel based approaches	Mr. Deva Jefflin A R	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/346	Remote Sensing-Based Investigation of Ice Flow Dynamics over Amery and Brunt Ice Shelves using MODIS Data, Antarctica.	Mr. Das Jay Sapan	Poster	Cryospheric Processes and Variability
NCPS2023/349	Application of Machine Learning Techniques combined with the Stumpf model for bathymetry extraction and GLOF modelling at Drang Drung Glacial Lake, Ladakh, India	Mr. Joshal Kumar Bansal	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/369	Mass balance sensitivities of the Gangotri glacier, central Himalaya	Ms. Bisma Yousuf	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/390	Remote sensing-based assessment of surge of Batura Glacier, Karakoram between 2013 and 2021	Ms. Heena Naz	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/391	Dynamics of Zaskar group of glaciers using surface ice velocity, debris and land surface temperature.	Ms. Nufaisa Farooq	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/396	Preliminary mapping of Rock glacier in Chandra Basin, Western Himalaya, India, using High-Resolution Google Earth Imagery and Sentinel Data	Mr. Robi Routh	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/398	Impact of rainfall on enhanced melting and solute export in the glacierized basin, Central Himalaya, India	Ms. Nita Roy	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/402	Study Land surface and Sea Surface Temperature Dynamics in Amundsen Bay Area, Antarctica for the year 2017 - 2018	Mr. Vivek Kumar	Poster	Glacier dynamics, processes and glacio-hydrological responses

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/404	Quantification of Glacier Ice Thickness and Volume in the Zaskar Basin of Western Himalaya via Modelling Techniques	Mr. Varun Khajuria	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/409	A Decadal Analysis of Snow and Glacier Melt Runoff over Parbati Sub-Basin Using Temperature Degree-Day Approach	Mr. Tarang Patadiya	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/414	First Comprehensive rock glacier inventory for Western Himalaya- An initiative for the permafrost research	Mr. Imtiyaz Ahmad Bhat	Poster	Glacier dynamics, processes and glacio-hydrological responses
NCPS2023/415	Development and evolution of surface melt features over Dalk glacier near Bharti station, Antarctica during period 2019-2023	Ms. Pooja Mishra	Poster	Cryospheric Processes and Variability
NCPS2023/416	_x000D_ Concentration and Isotope Ratio of Lead in coastal Antarctic ice: Tracing Sources and Transport Pathways_x000D_	Mr. Shivam Sundram	Poster	Cryospheric Processes and Variability
NCPS2023/418	Role of lithology on supraglacial debris distribution and energy exchange processes over the glaciated terrain of Western Himalaya	Mr. Madhukar Srigyan	Poster	Cryospheric Processes and Variability
6. Sea Ice Variability and Modelling				
NCPS2023/42	Record low sea ice cover around Antarctica in two contrasting seasons of ice melt and growth	Dr. C C Bajish	Oral	Sea ice variability and dynamics through time and space
NCPS2023/117	Role of oceanic processes on recent decadal changes of sea surface_x000D_ temperature and ice concentration in the Antarctic Ocean	Dr. Arnab Mukherjee	Oral	Sea-ice modelling and observations
NCPS2023/164	An observational study connecting Antarctic Sea ice, Pacific SST and the Indian summer monsoon in the recent decades	Dr. Amita Prabhu	Oral	Sea ice variability and dynamics through time and space
NCPS2023/216	Ocean-atmosphere feedback in the Barents-Kara Sea driven by sea ice	Mr. Sourav Chatterjee	Oral	Sea ice variability and dynamics through time and space

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/351	PRydzbay Air-Ice-Sea Exchange (PRAISE) observatory: a sea-ice station to monitor climatic relevant processes related to sea-ice in the Eastern Antarctica	Dr. Jenson V George	Oral	Sea-ice modelling and observations
NCPS2023/210	Open ocean polynyas in the Weddell Sea, Southern Ocean	Dr. Babula Jena	Poster	Sea ice variability and dynamics through time and space
NCPS2023/377	Exploring the halocline and sea-ice variability over the Arctic Ocean using CMIP6 simulations	Mr. Suraj Ravindran	Poster	Sea ice variability and dynamics through time and space
NCPS2023/413	Sea ice characterisation using multi polarisation RISAT-1A SAR data	Mr. Ghetiya Satyeshkumar Girdharbhai	Poster	Sea ice variability and dynamics through time and space
NCPS2023/482	Analyzing Sea Ice Variability and Dynamics in the Weddell Sea of Antarctica: A Comprehensive Study	Mr. Ramakant Prasad	Poster	Sea ice variability and dynamics through time and space
NCPS2023/90	Barotropic and baroclinic tides on the shelf off Svalbard and their role in shelf-fjord exchange	Mr. Ahammed Shereef Ms	Poster	Sea ice variability and dynamics through time and space
NCPS2023/244	Investigating the Role of Atmospheric Forcing on the Unprecedented Decline of Antarctic Sea Ice in February 2022	Ms. Juhi Yadav	Poster	Sea ice variability and dynamics through time and space
NCPS2023/254	Forecasting and Analysis of Seasonal Arctic sea ice variability using ML/DL Techniques	Mr. Mayank Pandey	Poster	Sea-ice modelling and observations
NCPS2023/280	Spatiotemporal Evolution of Sea Ice and Its Teleconnections with _x000D_ Large-Scale Climate Indices over Antarctica_x000D_	Ms. Swathi M	Poster	Sea ice variability and dynamics through time and space
NCPS2023/325	Thermodynamic evolution of sea ice near Indian Antarctic research station Bharati	Mr. Ajay B	Poster	Sea ice variability and dynamics through time and space
NCPS2023/217	Recent changes in Antarctic sea ice cover modulated by ocean-atmospheric warming	Ms. Kshitija Suryawanshi	Poster	Sea ice variability and dynamics through time and space
NCPS2023/447	Impact of Atmospheric Heat Flux and Ocean Vertical Processes on the Interannual Variability of Sea Ice and Sea	Mr. Ananthu Pradeep	Poster	Sea-ice modelling and observations

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
	Surface Temperature in the Antarctic Ocean.			
7. Environment And Ecology				
NCPS2023/6	Dynamic bathymetry of proglacial lake associated with Drang Drung Glacier, Zaskar Himalaya	Dr. Irfan Rashid	Oral	Environmental Monitoring and Assessment
NCPS2023/66	Effect of Extreme Environment and Isolation on Subjective Time Estimation in Antarctica During Summer: A Cross Sectional Investigation	Prof. Azizuddin Khan	Oral	Planktons: climatological and ecological perspectives
NCPS2023/172	The single-cell metagenomic approach reveals biotic interactions of Antarctic N. pachyderma with the ambient pelagic eukaryotic community.	Dr. Tushar Kaushik	Oral	Planktons: climatological and ecological perspectives
NCPS2023/175	Transport and local sources of atmospheric non-methane hydrocarbons in the sub-Himalayan region of India during winter	Prof. L. K. Sahu	Oral	Environmental Monitoring and Assessment
NCPS2023/182	Does suspended sediment affect the phytoplankton community composition and diversity in the Arctic fjord: A comparative study during summer	Dr. Jane T Bhaskar	Oral	Environmental Monitoring and Assessment
NCPS2023/192	Status of blue carbon, and its link with environmental settings in Prydz Bay, east coastal Antarctica.	Dr. Ravidas Krishna Naik	Oral	Planktons: climatological and ecological perspectives
NCPS2023/204	Nitrogen transformation potential of Himalayan soils at different temperature and elevation conditions	Dr. Sanjeev Kumar	Oral	Environmental Monitoring and Assessment
NCPS2023/208	Microbiomes of Arctic glacier foreland ecosystems and their metabolic potentials	Dr. Siddarthan Venkatachalam	Oral	Microbial diversity: their role in the environment and industry
NCPS2023/250	Exploration of Extremophilic Microorganisms from the Indian Region of the Southern Ocean for the Biodegradation of Anionic Surfactants	Prof. Tanu Jindal	Oral	Microbial diversity: their role in the environment and industry

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/258	Hydrodynamics and vertical distribution of zooplankton community structure in coastal Antarctica during the austral summer	Dr. V. Venkataramana	Oral	Diversity and Ecology of Flora and Fauna
NCPS2023/288	Dynamics of particle-attached and free-living microbial communities: studies from a high Arctic fjord	Dr. Anand Jain	Oral	Microbial diversity: their role in the environment and industry
NCPS2023/294	Vertical segregation and phylogenetic characterization of archaea and archaeal ammonia monooxygenase gene in the water column of the western Arctic Ocean	Dr. P V Vipindas	Oral	Microbial diversity: their role in the environment and industry
NCPS2023/339	MICROPLASTICS AS TRACE METAL SCAVENGERS IN THE ANTARCTIC SOUTHERN OCEAN SEDIMENTS	Dr. Dr Anu Gopinath	Oral	Environmental Monitoring and Assessment
NCPS2023/368	Conservation planning for seabirds in Antarctica	Dr. Anant Pande	Oral	Diversity and Ecology of Flora and Fauna
NCPS2023/378	Characterisation of plastic wastes collected from a clean-up drive of Antarctic lakes of Larsemann Hills around Bharati research station: Proposing management plan for eliminating plastic accumulation from Antarctic inland	Dr. Punarbasu Chaudhuri	Oral	Environmental Monitoring and Assessment
NCPS2023/381	Cyanobacteria and microalgae in terrestrial habitats of Larsemann Hills, Antarctica with special reference to new taxa	Dr. Sukumar Bhakta	Oral	Diversity and Ecology of Flora and Fauna
NCPS2023/385	THE POLAR DERIVED ACTINOMYCETES: THE WAY FORWARD	Dr. Dr Sivakumar Kannan	Oral	Diversity and Ecology of Flora and Fauna
NCPS2023/386	The blue carbon potential of meiobenthic nematodes in the Prydz Bay, Antarctica- A pilot study	Prof. Sumit Mandal	Oral	Diversity and Ecology of Flora and Fauna
NCPS2023/407	Presence of Microplastics in Antarctica and Its Surrounding Environment	Dr. Laxmi Kant Bhardwaj	Oral	Environmental Monitoring and Assessment

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/444	An hour-long passive environmental observation of bearded seal _x000D_ (Erignathus barbatus) at Nansen Basin, Arctic	Dr. R Kannan	Oral	Diversity and Ecology of Flora and Fauna
NCPS2023/11	Long-term variations in trace pollutants over the western Himalayan Region	Dr. Abhishek Saxena	Poster	Environmental Monitoring and Assessment
NCPS2023/135	Spatial variability of selected water quality parameters of the lacustrine system in Schirmacher Hills, East Antarctica	Dr. Binish M B	Poster	Environmental Monitoring and Assessment
NCPS2023/167	Bioavailability of metals in modern fjord sediments, west Spitsbergen, and their influence on benthic foraminifera	Dr. Shabnam Choudhary	Poster	Environmental Monitoring and Assessment
NCPS2023/187	Analysing the rapid vegetation line shift in response to glacial dynamics and climate variability in the Himalayas	Dr. Debmita Bandyopadhyay	Poster	Environmental Monitoring and Assessment
NCPS2023/270	Biochemical Composition of Particulate Organic Matter in Kongsfjorden, an Arctic fjord	Ms. Archana Singh	Poster	Environmental Monitoring and Assessment
NCPS2023/313	Dioxins & Furans, Dioxin-like and Nondioxin-like PCBs in the sediments of High Arctic Fjords	Dr. Kannan V M	Poster	Environmental Monitoring and Assessment
NCPS2023/327	AVP use in low temperature sea conditions and challenges involved	Mr. Anand Lokapure	Poster	Environmental Monitoring and Assessment
NCPS2023/340	Actinobacterial diversity in the Indian sector of Southern Ocean	Dr. Manigundan Kaari	Poster	Microbial diversity: their role in the environment and industry
NCPS2023/31	Perfluorooctanoic acid in the sediment matrices of Arctic fjords, Svalbard	Ms. Saritha V K	Poster	Environmental Monitoring and Assessment
NCPS2023/39	A brief study on monitoring and recording of the habitat quality and fishery of Mahseer fishes in Himalayan and western Ghats rivers.	Mr. Sreebin.P	Poster	Diversity and Ecology of Flora and Fauna
NCPS2023/48	Mercury Contamination in the environmental matrices of Arctic	Ms. Priyanka Gaikwad	Poster	Environmental Monitoring and Assessment

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/76	"Climate change and Arctic ecosystems: impacts on biodiversity".	Mr. Santoshkumar Potadar	Poster	Diversity and Ecology of Flora and Fauna
NCPS2023/118	Do Antarctic cryoconite hole bacterial communities respond to seasonal melting?	Ms. Aritri Sanyal	Poster	Microbial diversity: their role in the environment and industry
NCPS2023/159	Marine Siderophores: its ecological role and applications	Mr. Rantim Bhattacharjee	Poster	Microbial diversity: their role in the environment and industry
NCPS2023/184	Unveiling the structural and functional diversity of marine macrobenthic community from Prydz Bay, East Antarctica	Ms. Snigdha Bhaumik	Poster	Diversity and Ecology of Flora and Fauna
NCPS2023/188	The meiobenthic community structure of Prydz Bay, Antarctica during austral summer: Unraveling through Biological Trait Analysis	Mr. Soumya Subhra Baishnab	Poster	Diversity and Ecology of Flora and Fauna
NCPS2023/213	Diversity and distribution of diazotrophs in the Central Arctic Ocean	Dr. Jabir T	Poster	Diversity and Ecology of Flora and Fauna
NCPS2023/248	Does the diversity of residential bacterial community changes with oceanic regimes? A review of studies from Antarctica to Indian shoreline	Dr. Alok Kumar Sinha	Poster	Environmental Monitoring and Assessment
NCPS2023/249	Enzymatic mitigation of acrylamide in potato chips using L- asparaginase from Arctic actinomycetes	Ms. Shahana Kabeer. S	Poster	Microbial diversity: their role in the environment and industry
NCPS2023/251	Variability of phytoplankton community structure during the melting phase of the land-fast ice in Prydz Bay, East Antarctica	Ms. Pratiksha D. Deshmukh	Poster	Planktons: climatological and ecological perspectives
NCPS2023/252	Spatial and diel variability of CH ₄ , CO ₂ , and N ₂ O in the lakes of Schirmacher Oasis, East Antarctica	Mr. Siddhartha Sarkar	Poster	Environmental Monitoring and Assessment
NCPS2023/259	Environmental influence on the mesozooplankton community structure from Krossfjorden, Svalbard archipelago.	Mr. Praveen Raj C	Poster	Diversity and Ecology of Flora and Fauna
NCPS2023/265	Climatic and Anthropogenic Vulnerabilities for the Himalayan Ecosystem	Ms. Disha Sachan	Poster	Diversity and Ecology of Flora and Fauna

OSC Oral

OSC Poster

YPSM

Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/274	Uncovering the Genomic signatures of pollution in Arctic bacteria – A De-novo whole Genome-based approach	Ms. Femi Anna Thomas	Poster	Microbial diversity: their role in the environment and industry
NCPS2023/282	Bioprospecting of Antarctic benthic fauna in search of bioactive Marine Natural Products (MNPs).	Mr. Shekar Babu Kumbha	Poster	Diversity and Ecology of Flora and Fauna
NCPS2023/302	Antibiotic resistant Mechanisms in the Arctic and Antarctic regions- An In-Silico Study	Mr. Akhil Prakash E	Poster	Environmental Monitoring and Assessment
NCPS2023/304	Unsheathing the biosynthetic gene clusters of Metagenome Assembled genomes (MAGs) resolved from a complex sediment metagenome of Kongsfjorden Arctic.	Mr. Solly Solomon	Poster	Microbial diversity: their role in the environment and industry
NCPS2023/335	CHARACTERIZATION OF THE BIOSURFACTANT PRODUCING BACTERIA FROM ANTARCTIC SEDIMENT	Ms. Athira Tv	Poster	Microbial diversity: their role in the environment and industry
NCPS2023/342	THE DISTRIBUTION OF ORGANOCHLORINE PESTICIDES AND EMERGING CONTAMINANTS FROM THE SEDIMENTS OF KONGSFJORD, SVALBARD	Ms. Princy M John	Poster	Environmental Monitoring and Assessment
NCPS2023/354	Mesozooplankton community structure in Kongsfjorden: Investigating the environmental influence and depth-wise variations	Ms. Haritha Prasad	Poster	Diversity and Ecology of Flora and Fauna
NCPS2023/379	Estimation of polar stratospheric clouds using MAX-DOAS	Mr. Harshal L. Patil	Poster	Environmental Monitoring and Assessment
NCPS2023/394	Unravelling the state of the art of polar benthic research through computational research synthesis and weaving techniques.	Mr. Ahmed Shahir	Poster	Diversity and Ecology of Flora and Fauna
NCPS2023/403	Manganese tolerant and Mn-oxidizing bacterial diversity in the western Svalbard fjords, Arctic	Ms. Anju Chalari	Poster	Microbial diversity: their role in the environment and industry

OSC Oral

OSC Poster

YPSM



Reg. No.	Abstract Title	Presenting Author	Mode	Session
NCPS2023/419	Studies on pigmented bacteria from high Arctic region for bioprospecting potential	Ms. Yuga Ghotge	Poster	Microbial diversity: their role in the environment and industry
NCPS2023/455	Unravelling Anaerobic Bacterial Diversity in Arctic Svalbard Coastline Cruise	Ms. Akhila A	Poster	Microbial diversity: their role in the environment and industry
8. Polar Operations				
NCPS2023/122	Enhancing Public Outreach Initiatives: A Multi-Lingual Approach for Increased Effectiveness	Dr. Swati Nagar	Oral	Education and outreach
NCPS2023/287	Performance monitoring of Wastewater system at Bharati Research Base, East Antarctica	Mr. Rahul Kumar	Oral	Cold climate engineering: buildings, mechanical systems, alternate energy systems
NCPS2023/292	Science Photography and Filmmaking an Effective tool for Polar Science Communication and Education	Mr. Rakesh Rao	Oral	Education and outreach
NCPS2023/298	About 1000 Mt/year CO ₂ emission is curtailed by using Combined Heat and Power (CHP) at Indian Research Station-Bharati in Antarctica	Mr. Ariz Ahmad	Oral	Cold climate engineering: buildings, mechanical systems, alternate energy systems
NCPS2023/199	Earth Observation and Remote Sensing for Identifying Suitable Sites to establish a Research Base in Antarctica	Dr. Sagar F. Wankhede	Poster	Cold climate engineering: buildings, mechanical systems, alternate energy systems
NCPS2023/78	Indian Polar Research Network: A Multidisciplinary Network of Early Career Polar Researchers in India	Ms. Priyanka Vadrevu	Poster	Education and outreach
NCPS2023/268	Exploring the Benefits of Skiing for Enhancing Human Safety and Rescue Operations in the Polar Region	Ms. Ms Ranjita Behera	Poster	Safety: human safety, equipment, clothing, operating procedures and search & rescue

OSC Oral

OSC Poster

YPSM

Note: Please confirm your acceptance of participation using your NCPS log-in account (<http://ncps.ncpor.res.in/login.php>) as soon as possible, **but no later than April 30th, 2023**, or it will be considered declined. A formal acceptance email with all the conference details will be sent shortly.