

NCPS-2019 : List of Selected Abstracts for Oral/Poster Presentation

Theme - Crustal Evolution and Reconstruction					
Registration Number	Title	Name of the Presenter	Selection	Theme	Sub theme
NCPS2019/192	Neoproterozoic evolutionary history of Brattnevet Peninsula, Larsemann Hills, East Antarctica	Amit Dharwadkar	Oral	Crustal Evolution and Reconstruction	Geochronology, Geochemistry and Petrology
NCPS2019/187	Metamorphic history of Neoproterozoic terrain of Princess Elizabeth Land, Antarctica	Devsamidhi	Oral	Crustal Evolution and Reconstruction	Geochronology, Geochemistry and Petrology
NCPS2019/476	The Kuunga Nappe of Sverdrupfjella, western Dronning Maud Land, Antarctica	Geoffrey Grantham	Oral	Crustal Evolution and Reconstruction	Crustal Evolution: Insight from Recent Geophysical and Geological Investigations
NCPS2019/398	Genesis and tectonic settings inferred from lamprophyre and dolerite emplacements in Vestfold Hills, East Antarctica	Mayuri Pandey	Oral	Crustal Evolution and Reconstruction	Crustal Evolution: Insight from recent geophysical and geological investigations
NCPS2019/157	Comparative study of anorthosite of Barabar Nagarjuni magmatic complex eastern India and the Gruber anorthosite massif of East Antarctica vis- a -vis supercontinent amalgamation.	Priyanka Negi	Oral	Crustal Evolution and Reconstruction	Geochronology, Geochemistry and Petrology
NCPS2019/322	Variability of heavy minerals associations within different sector of Prydz Bay: evidence of multiple sourcing and influence of gyre current movements of distribution of sediments	Rashmi Gupta	Oral	Crustal Evolution and Reconstruction	Geochronology, Geochemistry and Petrology
NCPS2019/184	Speculating the assembly of Enderbia	Ravikant Vadlamani	Oral	Crustal Evolution and Reconstruction	Crustal Evolution: Insight from recent geophysical and geological investigations
NCPS2019/145	Geological evolution of Udayagiri Anorthosite Complex, Orissa and its connection with coastal terrane of Princess Elizabeth Land, East Antarctica	Aditya Naik	Poster	Crustal Evolution and Reconstruction	Crustal Evolution: Insight from recent geophysical and geological investigations
NCPS2019/275	SEM-EDS derived determination of effective bulk composition-A tool to decipher the metamorphic evolution of the metamorphosed terrains of East Antarctic shield	Jeev Jatan Sharma	Poster	Crustal Evolution and Reconstruction	Geochronology, Geochemistry and Petrology
NCPS2019/189	Tonian Orogenic Event in Prydz Bay, East Antarctica: Implications for Supercontinent Reconstruction	Mohd Sadiq	Poster	Crustal Evolution and Reconstruction	Geochronology, Geochemistry and Petrology
YPSM Presentations					
Nil					
Theme - Space Weather and Meteorology					
Registration Number	Title	Name of the Presenter	Selection	Theme	Sub theme
NCPS2019/324	First results of polar atmospheric facility operated at Antarctic stations Maitri and Bharati	Anand K. Singh	Oral	Space Weather and Meteorology	Weather and Climate
NCPS2019/297	Modulation of particle precipitations by geomagnetic pulsations in Pc5 range during the recovery phase of 17 March 2015 geomagnetic storm at sub-auroral location Maitri (L =5)	Ashwini Kumar Sinha	Oral	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/162	EMIC wave subpacket structures observed at Indian Antarctic station Maitri: Implications to polar neutral atmosphere	Bharati Kakad	Oral	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/250	Variation of Small-scale Gravity Wave Activity in the Northern Hemisphere High latitude Ionosphere and Middle atmosphere During the Major Sudden Stratospheric Warming Event of 2009	Chinmaya Nayak	Oral	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/163	Climatology of global lightning activity and its implications in surface electric field measurements over Antarctica	Jeni Victor Nepolian	Oral	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/450	Trace Gases Studies over the Central Himalayas	Manish Naja	Oral	Space Weather and Meteorology	Weather and Climate
NCPS2019/472	Long-term changes in aerosol properties over Ny-Alesund in the Arctic: Results from Indian scientific expeditions	Mukunda M Gogoi	Oral	Space Weather and Meteorology	Weather and Climate
NCPS2019/218	Climatology of Polar Mesospheric Summer Echoes: Observations from Maitri, Antarctica	Rashmi Rawat	Oral	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/110	Variations in Black carbon aerosol over the Arctic region using a regional climate model	Rohit Srivastava	Oral	Space Weather and Meteorology	Weather and Climate
NCPS2019/34	First observation of stratosphere-troposphere exchange over Bharati (69.407oS, 76oE) during ISEA-35 : Results from ozonesonde, VHF Radar, satellite, and reanalysis data	Siddarth Shankar Das	Oral	Space Weather and Meteorology	Weather and Climate
NCPS2019/282	Modulation of electromagnetic ion cyclotron waves by short and long periodicities at Maitri	Amar Kakad	Poster	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/102	A study on the L-Band Scintillation over the high-latitude region in southern hemisphere during the waning phase of 23rd Solar Cycle	Archana Rai	Poster	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/225	On the study of variation in Solar wind parameters during 24th Solar Cycle	D.K. Sondhiya	Poster	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/136	Outcome of the VLF survey done at Maitri during 38th ISEA summer	Gopi K Seemala	Poster	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/90	Ionospheric response during magnetically disturbed events of August 2010 on high latitude station, Maitri	Prakash Khatarkar	Poster	Space Weather and Meteorology	Solar Terrestrial Interaction Studies

Registration Number	Title	Name of the Presenter	Selection	Theme	Sub theme
NCPS2019/255	Investigation on high velocity plasmas and Field Aligned Currents at high latitudes	Prasanna Mahavarkar	Poster	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/237	Atmospheric Liquid Water Content and warming in Ny Alesund, Arctic during summer 2015	Preethi Paul	Poster	Space Weather and Meteorology	Weather and Climate
NCPS2019/89	Variation of GPS derived Total Electron Content and Scintillation Index over Indian, Arctic and Antarctic stations, 2008	Purushottam Bhawre	Poster	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/117	Study of transient changes in Schumann resonance frequency during sudden ionospheric disturbance	Rahul Rawat	Poster	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/391	Investigation of Ionospheric Slab Thickness Behaviour over Antarctica During High Solar Activity	Ritesh Yadav	Poster	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/226	Phase Relationship between Sunspot Numbers and F10.7 cm Solar Radio-Flux using Cross-Recurrence Plots and Wavelet -Transform	Satish Kumar Kasde	Poster	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/401	Investigation Of Trends In Trace Precursors Over Arctic	Swasti Kaushik	Poster	Space Weather and Meteorology	Weather and Climate

YPSM Presentations

NCPS2019/127	Thermodynamic Wave train connection of Monsoonal Heating to Canadian Arctic in High Resolution Global NCMRWF Forecast	Ananya Karmakar	Poster	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/88	Study the variability of various space weather parameters during the coronal mass ejection events	Anoop Parsai	Poster	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/229	Cloud Height Variability In Ny-Alesund, Arctic During December 2015	Asish K Sasidharan	Poster	Space Weather and Meteorology	Weather and Climate
NCPS2019/26	Characterization of the zonal asymmetry in aerosols types over the 'Third Pole': Radiative implications	B S Arun	Poster	Space Weather and Meteorology	Weather and Climate
NCPS2019/151	Geomagnetic Storms and their reflection in terms of Ionospheric perturbations	Bhupendra Malvi	Poster	Space Weather and Meteorology	Weather and Climate
NCPS2019/413	Tracing Carbon Aerosols: Long Term Analysis From Nainital, A High Altitude Site In The Central Himalayas	Priyanka Srivastava	Poster	Space Weather and Meteorology	Weather and Climate
NCPS2019/70	Electromagnetic waves and their interaction with energetic protons and electrons in the Earth's magnetosphere	Remya Bhanu	Poster	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/280	Spatial Variability in the Thermodynamic Structure of the Atmosphere over Indian Ocean sector of Southern Ocean	S. Neha Salim	Poster	Space Weather and Meteorology	Weather and Climate
NCPS2019/76	Cosmic Noise Absorption Characteristics of Super-Substorms	Shipra Sinha	Poster	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/216	Atmospheric studies using Movable Atmospheric Radar for Antarctica	Sourav Chatterjee	Poster	Space Weather and Meteorology	Weather and Climate
NCPS2019/62	Study of GPS Derived Total Electron Content Variations over Indian Antarctic Station Maitri	Uma Pandey	Poster	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/435	Ionosphere response of January-2011 austral summer over the Southern Hemispheric Sub-Auroral Ionospheric Station, Maitri 70.76.S, 11.74.E	Veera Kumar Maheswaran	Poster	Space Weather and Meteorology	Solar Terrestrial Interaction Studies
NCPS2019/134	Modeling Optical Properties of Antarctic Aerosols Constrained with SEM-EDS Analysis	Vikas Goel	Poster	Space Weather and Meteorology	Weather and Climate

Theme - Arctic & Southern Ocean

Registration Number	Title	Name of the Presenter	Selection	Theme	Sub theme
NCPS2019/247	Radiolarian-based paleoceanography: Understanding the latitudinal shifts of Southern Ocean fronts	Abhilash Nair	Oral	Arctic and Southern Oceans	Present and Past Climate Responses
NCPS2019/312	Sedimentary Organic Matter of Arctic Kongsfjorden-Krossfjorden Sediments: A Study Emphasizing the Biochemical Composition and Indices	Anu Gopinath	Oral	Arctic and Southern Oceans	Biogeochemical Processes
NCPS2019/6	Embedded NAO footprint in the observed temperature variability in Kongsfjorden	Divya David T	Oral	Arctic and Southern Oceans	Physical Processes and Hydrodynamics
NCPS2019/426	Spatial variability and source analysis of particulate matter concentrations over Southern Ocean and coastal Antarctica	Hareef Abba Shaeb.K	Oral	Arctic and Southern Oceans	Physical Processes and Hydrodynamics
NCPS2019/430	Temporal Variability Of Aerosols Over The Indian Sector Of Southern Ocean And Coastal Antarctic Region.	Harilal B. Menon	Oral	Arctic and Southern Oceans	Physical Processes and Hydrodynamics
NCPS2019/199	Nutrient dynamics at the merger of Agulhas Return Front and Subtropical Front in the Indian sector of the Southern Ocean during the austral summer.	Melena Augusta Soares	Oral	Arctic and Southern Oceans	Biogeochemical Processes
NCPS2019/442	A Thermoabrasion Model To Predict Shoreline Change After An Extreme Event	Mohammad Saud Afzal	Oral	Arctic and Southern Oceans	Present and Past Climate Responses
NCPS2019/174	Warming of the Southern Indian Ocean during the Global warming hiatus and its impacts on the cyclone destructive potential	P. J. Vidya	Oral	Arctic and Southern Oceans	Physical Processes and Hydrodynamics
NCPS2019/228	Influence of biophysical process on phytoplankton variation in the Indian sector of Southern Ocean: In-situ and Remote sensing approach	R.K.Mishra	Oral	Arctic and Southern Oceans	Biogeochemical Processes
NCPS2019/403	Hydrography and watermass variability in the Prydz Bay during austral summer: A comparison between 2017 and 2018.	Sabu P.	Oral	Arctic and Southern Oceans	Physical Processes and Hydrodynamics

Registration Number	Title	Name of the Presentor	Selection	Theme	Sub theme
NCPS2019/159	Inter-annual changes of austral summer coccolithophore assemblages and southward expansion in the Southern Indian Ocean	Shramik Patil	Oral	Arctic and Southern Oceans	Present and Past Climate Responses
NCPS2019/177	Freshwater influx in Kongsfjord, northwest Svalbard (1980-2016)	Ankit Pramanik	Poster	Arctic and Southern Oceans	Physical Processes and Hydrodynamics
NCPS2019/122	Meridional variability in nutrient utilization (N* and Si*) along two transects (57°30'N and 47°E) in the Indian sector of Southern Ocean during austral summer 2011.	Bhaskar Parli	Poster	Arctic and Southern Oceans	Biogeochemical Processes
NCPS2019/45	A study of Late Quaternary glacial-interglacial events in Kongsfjordhallet, (North-West Svalbard), Arctic	Debolina Chatterjee	Poster	Arctic and Southern Oceans	Present and Past Climate Responses
NCPS2019/488	Clustering analysis of ocean acoustic data to monitor polar climate change	Nasiha J	Poster	Arctic and Southern Oceans	Present and Past Climate Responses
NCPS2019/24	Climatology and Variability of Extreme Significant Wave Height in the Southern Ocean assessed by using ERA-20C reanalysis	Prashant Kumar	Poster	Arctic and Southern Oceans	Present and Past Climate Responses
NCPS2019/4	Iron stimulated phytoplankton blooms in the Southern Ocean: a brief review	Sarat Chandra Tripathy	Poster	Arctic and Southern Oceans	Biogeochemical Processes
NCPS2019/402	Impact of Indian summer monsoon rainfall on Arctic geopotential height and temperature fields	Shailendra Rai	Poster	Arctic and Southern Oceans	Physical Processes and Hydrodynamics
NCPS2019/394	Variability of Physical Properties of Sea waters in Thala Fjord and Quilty Bay below Sea Ice and the Local Climatic Parameters during 2018	Shailesh Pednekar	Poster	Arctic and Southern Oceans	Physical Processes and Hydrodynamics
NCPS2019/483	Identification of the pathways of Antarctic Bottom Water through Southwest Indian Ridge fracture zones in the Indian Ocean.	Srinivas Rao A	Poster	Arctic and Southern Oceans	Physical Processes and Hydrodynamics
NCPS2019/133	Paleoenvironmental changes in the Kongsfjorden, Svalbard and its teleconnection to Indian summer monsoon in the last 2000 years	Syed Mohammad Saalim	Poster	Arctic and Southern Oceans	Present and Past Climate Responses
YPSM Presentations					
NCPS2019/47	Antarctic shelf break processes and their role in determining the bottom temperature regime of the shelf seas	Aditya Narayanan	Poster	Arctic and Southern Oceans	Physical Processes and Hydrodynamics
NCPS2019/150	Siderophore producing bacteria in Equatorial Indian Ocean (IEO) and Indian Sector of Southern Ocean (ISO)	Alok Kumar Sinha	Poster	Arctic and Southern Oceans	Biogeochemical Processes
NCPS2019/294	Interannual Sea Surface Temperature variability in the Indian Ocean sector of Southern Ocean during austral summer	Antony P Thomas	Poster	Arctic and Southern Oceans	Physical Processes and Hydrodynamics
NCPS2019/53	Bloom phenology from sensor based physico-biochemical observations from IndARC mooring in an Arctic fjord	Archana Singh	Poster	Arctic and Southern Oceans	Biogeochemical Processes
NCPS2019/270	Spectroscopic characterization of the Humic Acids Isolated from Arctic Kongsfjorden-Krossfjorden System, Svalbard - using Ultraviolet and Infrared spectroscopy	Aswathy Shaji	Poster	Arctic and Southern Oceans	Biogeochemical Processes
NCPS2019/119	Role Of Geostrophic Currents In The Mixed Layer Heat Budget Of The Barents Sea	Duphrin Joseph	Poster	Arctic and Southern Oceans	Physical Processes and Hydrodynamics
NCPS2019/224	Presence of mercury in the fresh water lake sediments, Ny-Ålesund, Arctic	Gopikrishna V G	Poster	Arctic and Southern Oceans	Biogeochemical Processes
NCPS2019/461	Coccolith morphometry of species Coccolithus pelagicus from Southern Indian Ocean	Pallavi P. Choudhari	Poster	Arctic and Southern Oceans	Present and Past Climate Responses
NCPS2019/142	Biweekly temperature variability in Kongsfjorden, an Arctic fjord in Svalbard	Subeesh M P	Poster	Arctic and Southern Oceans	Physical Processes and Hydrodynamics
NCPS2019/140	Improving oceanic iodide parameterisation to understand atmospheric iodine chemistry in the Indian Ocean Marine Boundary Layer	Swaleha Inamdar	Poster	Arctic and Southern Oceans	Biogeochemical Processes
Theme - Climate Change & Variability					
Registration Number	Title	Name of the Presentor	Selection	Theme	Sub theme
NCPS2019/194	Timing of critical opening of Drake Passage and climatic Consequences: Evidence from Benthic Foraminifera	Abhayanand Singh Maurya	Oral	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/395	A Multi-Proxy Record Of Environmental Variations In The Schirmacher Oasis (East Antarctica) During The Past 43,000 Years	Anish Kumar Warriar	Oral	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/239	Role of halogens in the Antarctic Environment	Anoop Mahajan	Oral	Climate Change and Variability	Physical forcings, biogeochemical feedbacks and variability
NCPS2019/368	Waxing and Waning of Antarctic Ice-Sheet during Late Neogene -Quaternary: Connection from Pole to Tropics	Ashutosh Kumar Singh	Oral	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/367	Evidence of Northern Hemisphere Glaciation in the Southeast Indian Ocean: Planktic foraminiferal and isotopic records	Devesh Kumar Sinha	Oral	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/490	Polar Ozone and Climate Change	Jayanarayanan Kuttippurath	Oral	Climate Change and Variability	Physical forcings, biogeochemical feedbacks and variability
NCPS2019/279	Glacial-interglacial variation in climate reconstructed from a lacustrine sediment core from Mochou Lake, Larsemann Hills of East Antarctica	Mahesh Badanal	Oral	Climate Change and Variability	Paleoclimate records and global linkages

Registration Number	Title	Name of the Presenter	Selection	Theme	Sub theme
NCPS2019/264	Combined influence of intraseasonal, seasonal and decadal oscillation in the tropics on Arctic Temperature and Precipitation during winter.	Nuncio Murukesh	Oral	Climate Change and Variability	Physical forcings, biogeochemical feedbacks and variability
NCPS2019/470	Late Quaternary deglaciation of Teesta-Khangtse glacier system, North Sikkim, India	Prakash Kumar Shrivastava	Oral	Climate Change and Variability	Paleorecords and their climate linkages
NCPS2019/316	Albedo effect of the Arctic sea ice melt on tropical climate	S Sandeep	Oral	Climate Change and Variability	Physical forcings, biogeochemical feedbacks and variability
NCPS2019/352	Quasi-decadal to multi-decadal variability in Antarctic climate system evidenced from high-resolution ice core records of coastal Dronning Maud Land, East Antarctica	Thamban Meloth	Oral	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/165	Past Climate Variability in Antarctica and Southern Ocean and its influence on the Indian monsoon system	Vikash Kumar	Oral	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/21	Impacts of Climate Change on North And South Poles: Alarming Condition for Population Dynamics and Natural Resources in India	Droupti Yadav	Poster	Climate Change and Variability	Climate change and impact
NCPS2019/424	Relationship between the West Pacific Warm Pool and the intensification of Northern Hemisphere Glaciation during the Pliocene.	Himanshu	Poster	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/2	Controls on acidification of Antarctic lakes: a paleo perspective	Michelle Fernandes	Poster	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/361	Quaternary Climate Change over Himalaya Through Numerical Dating Methods	Ravi Bhushan	Poster	Climate Change and Variability	Paleorecords and their climate linkages
NCPS2019/82	The tropical climate variabilities in association with changes in northern mid-high latitude snow over the land.	Sujith K	Poster	Climate Change and Variability	Physical forcings, biogeochemical feedbacks and variability
YPSM Presentations					
NCPS2019/193	Geochemical signatures of clastic sediments of Ny-Alesund, Svalbard: implications for geomorphic evolution	Abhishek Verma	Poster	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/411	Evidence of West Antarctic Ice Sheet expansion during mid- Pleistocene Transition: Records from mid-cape basin, Southeast Atlantic	Ankush Shrivastava	Poster	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/152	Inorganic carbon in surface sediments of coastal & lake ecosystem of Larsemann Hills, East Antarctica	Aslam Hotagi	Poster	Climate Change and Variability	Physical forcings, biogeochemical feedbacks and variability
NCPS2019/213	Evaluation of Arctic Amplification in a coupled chemistry-climate model	Asutosh Acharya	Poster	Climate Change and Variability	Physical forcings, biogeochemical feedbacks and variability
NCPS2019/148	Late Quaternary climate variations and its influence on lake productivity and redox conditions: implications for ecological responses to climate change.	Cheryl A Noronha D Mello	Poster	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/271	Diatom based paleoceanographic reconstructions from Krossfjorden, Western Svalbard for the last 60 years (1953-2014)	Harikrishnan Guruvayoorappan	Poster	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/38	A 11,000-year Climate variability record revealed by multi-proxy data from Chandratat Lake, Northwestern Himalaya, India	Om Kumar	Poster	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/160	Relative Nutrient Utilization indicates Atlantification at Atlantic-Arctic Gateway during Mid-Pliocene Warm Period	Padmasini Behera	Poster	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/485	Tropical teleconnection and climate impacts of tropospheric ozone variability in Antarctica	Pankaj Kumar	Poster	Climate Change and Variability	Physical forcings, biogeochemical feedbacks and variability
NCPS2019/118	The Diatom based reconstruction of the Sea Surface Temperature and Sea Ice Extent from the Indian sector of Southern Ocean: 170 kyr record	Pooja Ghadi	Poster	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/256	Reconstruction of late Miocene deep-water mass circulation in the Arabian Sea using authigenic Neodymium isotope record	Priyesh Prabhat	Poster	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/171	Northward migration of Southern Ocean surface front during Pliocene warmth: A result from DSDP Site 249, on the Mozambique Ridge.	Raj Shekhar Indu Sankar Podder	Poster	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/311	Climatic teleconnections between the Arctic and South Asian summer monsoon during the Mid Pliocene Warm period: a geochemical approach	Sarath Chandraprasad T	Poster	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/99	IODP Expedition 382 @Cape Alley and Subantarctic Ice and Ocean Dynamics Onboard-generated lithostratigraphy: a short discussion	Shubham Tripathi	Poster	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/407	Tree ring inferred glacier dynamics in the Himalaya: a review	Tanupriya Rastogi	Poster	Climate Change and Variability	Paleoclimate records and global linkages
NCPS2019/330	Influence of extratropical climate modes and solar forcing on Antarctic ice core temperature during the last two centuries	Tariq Ejaz	Poster	Climate Change and Variability	Paleoclimate records and global linkages
Theme - Cryospheric Processes & Dynamics					
Registration Number	Title	Name of the Presenter	Selection	Theme	Sub theme
NCPS2019/173	Influence of Greenland sea ice, Eurasian snow and ENSO on South and East Asian summer monsoons	Amita Prabhu	Oral	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability

Registration Number	Title	Name of the Presenter	Selection	Theme	Sub theme
NCPS2019/304	Implementing a debris energy-balance model to estimate mass budget of Bara Shigri Glacier, Western Himalaya	Ankit Pramanik	Oral	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/231	Trends of lake ice phenology and its correlation coefficients in the Schirmacher Oasis, East Antarctica	Ashit Kumar Swain	Oral	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/23	Rapid decline of Arctic Summer sea ice: Causes and consequences	Avinash Kumar	Oral	Cryospheric Processes and Dynamics	Sea ice variability and dynamics through time and space
NCPS2019/385	Mechanism of Antarctic Polynya formation and its impact on the Earth's climate and ecosystem	Babula Jena	Oral	Cryospheric Processes and Dynamics	Sea ice variability and dynamics through time and space
NCPS2019/341	Recent and past changes in surface mass balance patterns in the central Dronning Maud Land coast, East Antarctica	Bhanu Pratap	Oral	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/436	Change Detection over the major ice shelves of Antarctica using RADARSAT and Sentinel Data	Esha Shah	Oral	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/326	Biogeochemistry of cryoconite holes in coastal Antarctica	Gautami Samui	Oral	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/9	Semi-Distributed Conceptual Hydrological Modelling of Dunagiri Glacier Streamflow, Central Himalaya, India: Future Response and Sensitivity in Context to Climate Change	Kapil Kesarwani	Oral	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/351	Solar activity and ozone level in Antarctica: An indication from nitrate record from ice core	Laluraj C M	Oral	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/115	Water balance investigations in Chandra basin, Lahaul-Spiti valley, Western Himalaya, India	Parmanand Sharma	Oral	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/243	Verification of UM coupled model forecast over Maitri station, Antarctic	Saheed	Oral	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/257	Surface velocity estimation of parts of Antarctic Ice sheet: A comparison between optical feature tracking and DInSAR techniques	Suvrat Kaushik	Oral	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/175	Characteristics of Ice Rises and Ice Rumples in Dronning Maud Land, Antarctica	Vikram Goel	Oral	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
YPSM Presentations					
NCPS2019/168	Glacier Ice Measurement of a part of North Western Himalaya using Google Earth Engine	Abhishek Singh	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/448	Comparative Analysis of SAR and Optical Datasets for Velocity Estimation of Denman Glacier Antarctica	Ashutosh Venkatesh Prasad	Poster	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/342	Quantifying mass balance and the state of glaciers in the Indian Himalaya	Bhanu Pratap	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/315	Monitoring the Seasonal and Altitudinal Variation in Snow Cover Area using MODIS data in Parvati Basin, India.	Deepak Kumar	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/197	Response of Vestre Broggerbreen Glacier, Ny Alesund, Svalbard to Changing Climate During the Last Decade	Deepak Y. Gajbhiye	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/445	Iceberg calving events in Prydz bay, East Antarctica during 2013-2015 using Indian remote sensing data	Meghna Sengupta	Poster	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/222	Chasm-1 development and monitoring of the Brunt Ice Shelf in Antarctica, using Microwave Remote Sensing	Mohit Jani	Poster	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/466	Intercomparison of retreat rate of glaciers in the northern, central and eastern Himalayan region	Nikhil Kulkarni	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/223	Analysis of spatio-temporal variability of snow cover area and hydro-climatic variables in the Jhelum basin, northwestern Himalayas	Pervez Ahmed	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/262	Analysis of spatio-temporal variability of snow cover area and hydro-climatic variables in the Jhelum basin, northwestern Himalayas	Pervez Ahmed	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/198	Velocity estimation for the ice sheet of sub-basin around Schirmacher Oasis of Princess Astrid Coast, East Antarctica using pixel co-registration technique	Pradeep Kumar	Poster	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/244	Wavelet based coherence analysis of solar activity parameters and their interrelationship	Pramod Kumar Sen	Poster	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/337	Landsat based mapping of blue ice area of the Polar Record Glacier, East Antarctica	Prashant H. Pandit	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/92	Chemometric approach to evaluate the chemical behavior of rainwater at high altitude in Shaune Garang glacier, Western Himalayas.	Ramesh Kumar	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/459	Selected Iceberg Calving Events in Antarctica using Landsat data	Sandeep Cs	Poster	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/335	Seasonal contribution of Eastern tributary glaciers to the effective flow of Amery Ice Shelf	Shubhang Kumar	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/73	Assessment of Dynamics of Glaciers and Associated Glacial Lakes in Himachal Pradesh, India, Using Multitemporal Remote Sensing Data	Sweta Kumari Shaw	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/276	Glacier mapping of Kashmir Himalayas from sentinel 2- A comparison of Automated and manual delineation techniques.	Waseem Ahmmad Bhat	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
YPSM Presentations					
NCPS2019/318	Antarctic sea ice variability and trends: A Nonlinear response to the ocean climate forcings	Aakriti Srivastava	Poster	Cryospheric Processes and Dynamics	Sea ice variability and dynamics through time and space

Registration Number	Title	Name of the Presenter	Selection	Theme	Sub theme
NCPS2019/369	Glacier Velocity Mapping of Hispar Glacier Using Offset Tracking Technique	Aishwarya Pampapathi	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/339	Source apportionment and relative contribution from snowpack, glacier melt and groundwater to the hydrological budget of Chandra River, western Himalaya	Ajit Tapendra Singh	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/428	Detecting Distribution of Supraglacial Debris from the Schirmacher Oasis, East Antarctica using Image Processing Techniques	Anirudh Ts	Poster	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/439	Seasonal Variability of Precipitation over the Glacierized regimes of Bhagirathi and Alaknanda river basins (Garhwal Himalaya, India) during the past two decades (1998-2018): Application of Wavelet Transform and Cluster Analysis	Anshu Mala	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/39	Inferring melt runoff characteristics and suspended sediment transport dynamics of debris-covered Chorabari Glacier in Central Himalaya, India	Anupam Anand Gokhale	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/286	Changes in glacier mass balance and area by the end of the 21st century under high emission climate change scenario, Satluj basin, Western Himalaya	Arya A R	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/60	Empirical modelling for glacier ice thickness and volume estimation	Atar Singh	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/412	Ice elevation and glacier velocity measurement of Vanderford Glacier using DInSAR and offset tracking using Radar and ICESat-2 data	Bhanu Prakash M E	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/249	Governing hydrological characteristics and suspended sediment transport dynamics of the Chandra River basin in Western Himalaya	Chirag Sharma	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/353	Trend and Periodic changes in ice mass at Antarctica: Inferences from GPS data	Chirumamilla.Mohana Lakshmi	Poster	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/7	Temporal changes in Surge and Calving Dynamics of Tunabreen glacier in Svalbard, using remote sensing and meteorological datasets	Dhanendra K. Singh	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/453	The Study of Glacier Dynamics of Fedchenko Glacier, Tajikistan Based on Multisensor Remote Sensing and Hydromet Data	Gowthami Veeragattapu	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/17	Spatial and Temporal variations in oceanic and sea ice parameters in the Arctic Ocean using simulations from a climate model.	Jaishree Neelam	Poster	Cryospheric Processes and Dynamics	Sea ice variability and dynamics through time and space
NCPS2019/64	Estimation of Snow Cover and climatic variability using MODIS data of Teesta river basin Sikkim, India	Jaydeo Kumar Dharpure	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/100	Inter-decadal Variability of Arctic Sea Ice extent trends: Interaction from Ocean-Atmosphere coupled mechanism	Juhi Yadav	Poster	Cryospheric Processes and Dynamics	Sea ice variability and dynamics through time and space
NCPS2019/451	Mapping of Crevasses using Sentinel-1 SAR data: A case study on part of Amery Ice Shelf	Kiledar Singh Tomar	Poster	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/452	Evolution of Surge-type glaciers in upper Nubra-Shyok valley, Karakoram Range, India	Koushikey Chhapariya	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/108	Control of spatial characteristics on glacier surface velocity and recession: a case study of glaciers from Chandra Basin, Western Himalaya	Lavkush Kumar Patel	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/78	SCATSAT-1 scatterometer's sensitivity towards Spatio-temporal variations in Melt/freeze and characterisation of fast ice in Antarctica	Mehanaz Fathima J	Poster	Cryospheric Processes and Dynamics	Sea ice variability and dynamics through time and space
NCPS2019/164	Solute dynamics, source apportionment and glacial weathering in Antarctica	Mohammad Nuruzzama	Poster	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/167	Machine Learning Based Snow Line Identification and Temporal Analysis in Upper-Alaknanda Saraswati basin, Garhwal Himalaya	Mohd Ramiz	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/295	Glacier surface velocities and Radar Facies classification using Remote Sensing methods	Nandini Sharma	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/141	Alteration in chemical weathering and water source contribution in glaciated basin in Western Himalaya	Naveen Kumar	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/98	Snow Cover Fractional variability in 3 \times 3 \times 3 grid resolution in Indian Himalayan region using Multi-temporal satellite data	Pramod Kumar M	Poster	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability
NCPS2019/29	3-D Surface Flow Velocity Estimation of Gangotri and Siachen Glacier using C-Band SAR	Preet Lal	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/469	Overall response of the Pensilungpa glacier, western Himalaya to climate change from ~1990 to ~2018 using remote sensing and field data	Purushottam Kumar Garg	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses

Registration Number	Title	Name of the Presentor	Selection	Theme	Sub theme
NCPS2019/13	Study of Long Term Snow Melt Runoff Contribution to Jhelum River Discharge	Rajeev Ranjan	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/447	Glacier Dynamics Study of Shishper Glacier Using Remote Sensing Methods.	Reshma R	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/242/379	Is Landsat-8 effective for Mapping Glacier Facies?	Shubham Singh	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/30	Importance of debris covered glacier in the basin scale discharge : A case study from Chandra basin, Western Himalaya	Sourav Laha	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/67	Surface energy and mass balance of Sutri Dhaka glacier, Chandra Basin, Western Himalaya, India	Sunil Oulkar	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/457	Long-term study of changes in pattern of snowfall over Giri River Basin	Vaibhav Shrivastava	Poster	Cryospheric Processes and Dynamics	Glacier processes and glacio-hydrological responses
NCPS2019/25	Historic, Present and Future Snow Cover mapping using physically based semi-distributed hydrological model	Vishal Sharma	Poster	Cryospheric Processes and Dynamics	Cryospheric Processes and Variability

Theme - Environment & Ecology

Registration Number	Title	Name of the Presentor	Selection	Theme	Sub theme
NCPS2019/277	Prevalence of antibiotic resistance among heterotrophic bacteria from various Arctic habitats	A.A. Mohamed Hatha	Oral	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/269	Profiling of viral metagenomes of Antarctic Environment, Birds and Mammals	Anamika Mishra	Oral	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/8	Predominance of complex biopolymer degrading bacterial groups in particle-attached bacterial community in a high Arctic fjord	Anand Jain	Oral	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/350	Phylogeography and population genetic structure of Snow Petrel populations in east Antarctica	Anant Pande	Oral	Environment and Ecology	Diversity and Ecology of Flora and Fauna
NCPS2019/357	Assessment of Water and Air Quality at Maitri station, Schirmacher hills	Anoop Kumar Tiwari	Oral	Environment and Ecology	Environmental Monitoring and Assessment
NCPS2019/15	Community pattern of macrobenthic communities, with special reference to bivalve molluscs from Arctic Kongsfjorden ecosystem	Aswathy N K	Oral	Environment and Ecology	Diversity and Ecology of Flora and Fauna
NCPS2019/33	Baseline studies of emerging contaminants in the sea-ice near Larsemann Hills, Eastern Antarctica	Balakrishna Keshava	Oral	Environment and Ecology	Environmental Monitoring and Assessment
NCPS2019/346	Microplastic pollution in Arctic sediments: Kongsfjord	Ev Ramasamy	Oral	Environment and Ecology	Environmental Monitoring and Assessment
NCPS2019/396	Hydrographical influence on the Diel vertical migration of zooplankton in High Arctic fjord: Kongsfjorden	Jasmine Purushothaman	Oral	Environment and Ecology	Planktons of the past and present: climatological and ecological perspectives
NCPS2019/146	UV-Absorbing pigments in plants growing at Polar regions	Jaswant Singh	Oral	Environment and Ecology	Diversity and Ecology of Flora and Fauna
NCPS2019/182	Micro-phytoplankton community in High-Nutrient, Low-Chlorophyll (HNLC) regions from Indian sector of Southern Ocean	Ravidas K Naik	Oral	Environment and Ecology	Planktons of the past and present: climatological and ecological perspectives
NCPS2019/186	Southern Ocean to Sub Antarctic Islands: Significance of oceanographic perturbations in shaping the marine microbial ecosystems	Siddharth Venkatachalam	Oral	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/329	Planetary analogue and Astrobiology studies in Ladakh and Lonar Crater, Maharashtra:	Siddharth Pandey	Oral	Environment and Ecology	Diversity and Ecology of Flora and Fauna
NCPS2019/232	Lithic habitat: a fascinating adaptation strategy of terrestrial psychrophilic micro algae in Antarctica	Sukumar Bhakta	Oral	Environment and Ecology	Diversity and Ecology of Flora and Fauna
NCPS2019/179	Determination of carbonaceous, water-soluble species and trace metals in aerosols collected at Bharati station over the East Antarctic: role of ice-free oases and local meteorology	Suresh K R Boreddy	Oral	Environment and Ecology	Environmental Monitoring and Assessment
NCPS2019/101	Diel vertical migration of zooplankton in Prydz Bay (Indian Ocean sector, East Antarctica) during the austral summer of 2017	V. Venkataramana	Oral	Environment and Ecology	Planktons of the past and present: climatological and ecological perspectives
NCPS2019/111	Antimicrobial Potential Of Microorganism Isolated From Indian Sector Of Southern Ocean	Abhishek Chauhan	Poster	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/347	Occurrence of Microplastic in polar region: A review	Ajay Harit	Poster	Environment and Ecology	Environmental Monitoring and Assessment
NCPS2019/343	Factors controlling the hydrogeochemistry of lakes in the Grovnes, Larsemann Hills, East Antarctica	Anoop Kumar Tiwari	Poster	Environment and Ecology	Environmental Monitoring and Assessment
NCPS2019/362	Assessment of Environmental contamination with regard to Effluent Generated from Indian Antarctic Station, Bharati	Anoop Kumar Tiwari	Poster	Environment and Ecology	Environmental Monitoring and Assessment
NCPS2019/374	Whole genome sequencing and phylogenetic analysis of Penguin Megrovirus identified from Antarctica samples.	Ashutosh Aasdev	Poster	Environment and Ecology	Diversity and Ecology of Flora and Fauna
NCPS2019/266	Antibiotics from Antarctic Soil: α -NF1001, A Novel Pre-clinical candidate against Nocardiosis	Dr. Parvinder Kaur	Poster	Environment and Ecology	Microbial diversity: their role in the environment and industry

Registration Number	Title	Name of the Presenter	Selection	Theme	Sub theme
NCPS2019/287	Antarctic Bounty: Pre-clinical Characterization of NF1001 as an Anti-Tuberculosis Antibiotic	Dr. Shridhar Narayanan	Poster	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/123	Environmental influence on plankton distribution and diversity in the Kongsfjorden-Krossfjorden ecosystem during late summer 2018	Jane T Bhaskar	Poster	Environment and Ecology	Planktons of the past and present: climatological and ecological perspectives
NCPS2019/3	Ecology and community structure of benthic meiofauna and selected minor phyla from the Arctic Krossfjord	Jima M	Poster	Environment and Ecology	Diversity and Ecology of Flora and Fauna
NCPS2019/14	Biocoenosis of Meiofauna in a high-latitude glacial Arctic fjord (Kongsfjorden, Spitsbergen) with attributes on selected fauna	Krishnapriya P.P	Poster	Environment and Ecology	Diversity and Ecology of Flora and Fauna
NCPS2019/220	Diversity and distribution of Planctomycetes and related bacteria in the surface sediments of a high Arctic fjord (Kongsfjorden, Svalbard Islands)	P V Vipindas	Poster	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/325	Green synthesis of multi applicative silver nanoparticles using Polar seaweed <i>Fucus gardneri</i>	Princy. K. F	Poster	Environment and Ecology	Diversity and Ecology of Flora and Fauna
NCPS2019/389	NF1001 from Antarctic Soil: A potent inhibitor against Non-Tuberculous Mycobacteria	R.K. Shandil	Poster	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/143	New ultra-structural insights of <i>Calciosolenia</i> spp. from the Southern Indian Ocean using FE-SEM: an image based approach	Sahina Gazi	Poster	Environment and Ecology	Planktons of the past and present: climatological and ecological perspectives
NCPS2019/196	Roles of Extracellular Polymeric Substances in Antarctic Coastal Environment	Shipra Nagar	Poster	Environment and Ecology	Microbial diversity: their role in the environment and industry
YPSM Presentations					
NCPS2019/32	Effects of persistent organic pollutants on the Himalayan glaciers, India.	Abhishek Sharma	Poster	Environment and Ecology	Environmental Monitoring and Assessment
NCPS2019/455	Are they going to be a frequent visitor in the High Arctic Fjord: <i>Periphylla periphylla</i> (PERON et LESEUR 1809) in Kongsfjorden, Svalbard?	Aishee Bhowal	Poster	Environment and Ecology	Diversity and Ecology of Flora and Fauna
NCPS2019/252	Tracking of migratory route of Arctic tern reveals dissemination of multidrug-resistant bacteria far and wide	Akhil Prakash E	Poster	Environment and Ecology	Diversity and Ecology of Flora and Fauna
NCPS2019/169	Diversity and functional characteristics of microbes within cryoconite hole ecosystems of Antarctica and Himalaya	Aritri Sanyal	Poster	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/314	Mercuric reductase gene (<i>merA</i>) in mercury tolerant Sulphate reducing bacterium from the sediments of Kongsfjorden, Svalbard.	Binish M B.	Poster	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/41	Bacterial diversity along a glacio-marine transect in Ny-Ålesund, Arctic	Femi Anna Thomas	Poster	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/206	Abundance and diversity of diazotrophic communities in the surface sediments of high Arctic fjord (Kongsfjorden)	Jabir T	Poster	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/233	Persistent Organic Pollutants (Pops) In Lakes Of Grovnes Peninsula At Larsemann Hill Area, East Antarctica	Laxmikant Bhardwaj	Poster	Environment and Ecology	Environmental Monitoring and Assessment
NCPS2019/181	A study on microbial enzymes from Patsio glacier of Himalaya region with prime focus on cold active lipase production by <i>Arthrobacter</i> sp. S4PB7	Meena Rathore	Poster	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/236	Diversity of iron, manganese and sulphur oxidizing bacteria in Himalayan cryoconite holes	Milind Mutnale	Poster	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/274	Intra-seasonal variability in mesozooplankton community in Kongsfjorden	Ms. Shahin K. Badesab	Poster	Environment and Ecology	Planktons of the past and present: climatological and ecological perspectives
NCPS2019/74	Taxonomy and systematics of bivalve molluscs from Arctic Kongsfjorden.	Neenu P	Poster	Environment and Ecology	Diversity and Ecology of Flora and Fauna
NCPS2019/161	Non target analysis of Emerging Contaminants in the sediments of Kongsfjorden (Arctic) Using High Resolution Mass Spectrometry	Nejumaal Kk	Poster	Environment and Ecology	Environmental Monitoring and Assessment
NCPS2019/120	Distribution of planktic foraminifera in Sub Polar North Atlantic: an implication to surface water masses	Nibedita Sahoo	Poster	Environment and Ecology	Planktons of the past and present: climatological and ecological perspectives
NCPS2019/454	Challenges in estimating the water balance components of the Priyadarshini Lake, Antarctica	Pankaj R. Dhote	Poster	Environment and Ecology	Environmental Monitoring and Assessment
NCPS2019/207	Soil Nematode Community Structure- bio indicator of soil status in Indian Himalayan Region	Priyanka Kashyap	Poster	Environment and Ecology	Diversity and Ecology of Flora and Fauna
NCPS2019/283	Benthic Foraminifera: Biomass and carbon contribution in an Arctic fjord (Krossfjord, Svalbard)	Rojin Joseph	Poster	Environment and Ecology	Diversity and Ecology of Flora and Fauna
NCPS2019/336	Antarctica the existing heaven will be destroyed by human activities: A bird view	Ruksana N.A.	Poster	Environment and Ecology	Environmental Monitoring and Assessment
NCPS2019/293	Mercury and other metals in the sediments of Kongsfjord and Krossfjord, Ny-Å...lesund	Shahnas K. F	Poster	Environment and Ecology	Environmental Monitoring and Assessment
NCPS2019/378	Understanding Factors Influencing Seabird Assemblage Distribution In The African Sector Of Southern Indian Ocean And Southern Ocean	Shailja Mamgain	Poster	Environment and Ecology	Diversity and Ecology of Flora and Fauna
NCPS2019/481	Bacterial Diversity Of Himalayan And Indian Ocean Sediments With Special Reference To Their Antimicrobial Property	Sreerag A	Poster	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/358	Alien species in Antarctica, threat to Biodiversity - an Indian perspective	Tara Megan	Poster	Environment and Ecology	Diversity and Ecology of Flora and Fauna

Registration Number	Title	Name of the Presenter	Selection	Theme	Sub theme
NCPS2019/416	Mapping and Monitoring Antarctic vegetation using very high-resolution Multispectral Remote Sensing satellite data	Udhayaraj Ad	Poster	Environment and Ecology	Diversity and Ecology of Flora and Fauna
NCPS2019/87	A potential extracellular biopolymer producing Southern Ocean Bacillus sp. and its applications	Urmi Halder	Poster	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/260	Metagenome based bacterial diversity of the sediments from Kongsfjorden, Arctic	Vishnupriya S	Poster	Environment and Ecology	Microbial diversity: their role in the environment and industry
NCPS2019/166	Biodiversity in the Polar Regions and its importance.	Vishwajeet Potadar	Poster	Environment and Ecology	Diversity and Ecology of Flora and Fauna

Theme - Operations and Management

Registration Number	Title	Name of the Presenter	Selection	Theme	Sub theme
NCPS2019/190	Scope of implementation of Biosafety Measures in Indian Scientific Expeditions to Antarctica.	Ashwin Ashok Raut	Oral	Operations and Management	Safety: human safety, equipment, clothing, operating procedures and search & rescue
NCPS2019/414	Impact of Antarctic Environment on mucosal immunity and microbiome	Brijbhushan	Oral	Operations and Management	Medical & Social issues: Polar medicine, impacts of the polar environment and isolation over winter on individuals and communities
NCPS2019/178	Automation of processes of core functional areas using SAP-ERP at NCPOR – A Case Study	Lalit Kumar Ahirwar	Oral	Operations and Management	Communication and data management
NCPS2019/427	Indian Antarctic Expeditions- Safety and common pitfalls	Mirza Javed Beg	Oral	Operations and Management	Safety: human safety, equipment, clothing, operating procedures and search & rescue
NCPS2019/365	Effect of the Antarctic Environment on Health and Well Being of Expeditioners: Polar Human Biology and Medicine research at Indian Antarctic Station	Moushum Bhattacharyya	Oral	Operations and Management	Medical & Social issues: Polar medicine, impacts of the polar environment and isolation over winter on individuals and communities
NCPS2019/434	Virtual Reality/ Augmented Reality as a tool for Science outreach and communication.	Rajdeep Paul	Oral	Operations and Management	Education and outreach
NCPS2019/121	Science Communication and Outreach through films and photographs: Need of the hour	Rakesh Rao	Oral	Operations and Management	Education and outreach
NCPS2019/372	Team management at Maitri station during 37th ISEA	Sunny Chug	Oral	Operations and Management	Medical & Social issues: Polar medicine, impacts of the polar environment and isolation over winter on individuals and communities
NCPS2019/1	Polar Outreach activities: A window to the ends of the Earth	Swati Nagar	Oral	Operations and Management	Education and Outreach
NCPS2019/129	Logistical Challenges and its Scientific Solutions: Recent developments in Cargo offload at Indian Research stations in Antarctica	Yogesh Ray	Oral	Operations and Management	Safety: human safety, equipment, clothing, operating procedures and search & rescue
NCPS2019/404	Probiotic intervention during 38th Indian Scientific Expedition to Antarctica (38-ISEA)	Ashish Kumar Srivastava	Poster	Operations and Management	Medical & Social issues: Polar medicine, impacts of the polar environment and isolation over winter on individuals and communities
NCPS2019/363	Efficiency of Heating, Ventilation and Air Conditioning (HVAC) system in handling the sea-salt aerosol at a coastal Antarctic station - Bharati	Brijesh Desai	Poster	Operations and Management	Cold climate engineering: buildings, mechanical, systems, alternate energy systems
NCPS2019/373	Use of dynamic light therapy to maintain sleep circadian rhythm at Antarctic stations	Daksh Sharma	Poster	Operations and Management	Medical & Social issues: Polar medicine, impacts of the polar environment and isolation over winter on individuals and communities
NCPS2019/417	Indian Antarctic Station as Ground Based Analogue for carrying out Physiological and Psychological Research on Astronauts for India's First Manned Spaceflight Mission – GAGANYAAN. Scope and Challenges	Jayeeta Banerjee	Poster	Operations and Management	Medical & Social issues: Polar medicine, impacts of the polar environment and isolation over winter on individuals and communities
NCPS2019/135	Data Analytics and Visualization of Polar Meteorological Data using Python Django framework	V S Samy	Poster	Operations and Management	Communication and data management

YPSM Presentations

NIL