

Ocean Society of India Conference (OSICON-19)

PROGRAM

DAY 1 (12 December 2019)	
Registration: 0800-1000	
INAUGURAL SESSION : 1000 - 1100 Chief Guest: Dr. M. Rajeevan, Secretary, MoES, GoI Presided by: Dr.M.Sudhakar, President, OSI and Director, CMLRE Venue:Sagar Sampada Hall	
Tea break: 1100 - 1130	
Plenary Session: 1130 am - 1300 Theme: Indian Ocean Processes and Resources – a Key to Blue Economy Chair: Dr. P.V.Joseph	
1130 - 1200	Key note by Dr. M. Rajeevan, Secretary, MoES, GoI
1200 - 1230	Invited Talk 1: Dr. Atmanand, NIOT
1230 - 1300	Invited Talk 2: Dr. Bishwajit Chakraborty, NIO
Lunch: 1300 - 1400	
Technical Session 1: 1400-1530 Chair: Dr. M. Sudhakar	
1400 - 1430	Invited Talk 3: Dr. Sathish C Sheno, INCOIS
1430 - 1500	Invited Talk 4: Dr. MV Ramana Murty, NCCR
1500 - 1530	Invited Talk 5: Prof. Prasad Bhaskaran, IIT, Kharagpur
Tea break: 1530 – 1600	
1600-1800 Parallel Sessions	

Theme: Ocean Processes**Venue: Sagar Nidhi Hall (Conference room), South Block, 2nd Floor, Atal Bhavan**

Reg. No.	Time slot	Title of Paper
Lead Talk	16:00-16:20	Lead Paper 1: Indo-Pacific climate modes and their impact on Indian coasts Dr. Gnanaseelan
OSICON2019/058 AP	16:20-16:30	Wind driven circulation study in the Bay of Bengal with radiation boundary conditions in Modular Ocean Model. Siddhesh Tirodkar , Rajesh Chauhan, Mousumi Sarkar, Manasa Ranjan Behera, Sridhar Balasubramanian
OSICON2019/146 AP	16:30-16:40	Characteristics of monsoon clouds : Evolution, propagation and dissipation. Lakshmi.P , C.A.Babu
OSICON2019/283 AP	16:40-16:50	Run-off and tidal forcing on suspended sediment transport of Cochin estuary, West coast of India. Vinita J. , Revichandran C., Muraleedharan K. R., Shivaprasad A., Sebin J.
OSICON2019/001	16:50-17:00	On the relationship between north India summer monsoon rainfall and east equatorial Indian Ocean warming. Ramesh Kumar Yadav & Mathew Koll Roxy
OSICON2019/015	17:00-17:10	Climatology and trend analysis of Bay of Bengal cyclone using IBTrACS data. Mohammedali Nellayaputhenpeedika , Y.V.B. Sarma, V. Radhakrishnan
OSICON2019/018	17:10-17:20	Vertical Structure Of Indian Ocean Dipole. Dr. C Gnanaseelan, Surya P S
OSICON2019/062	17:20-17:30	Ocean Processes Associated With The Formation Of Different El Nino Flavours In Coupled Forecast System (Cfsv2) And Its Effect On Indian Ocean Dipole. Ravikumar C. Nair , Prasanth A Pillai, C Revichandran, Suneel V
OSICON2019/080	17:30-17:40	Assessment of Bay of Bengal Upper Ocean stratification in NCMRWF NEMO ocean analysis and forecast. Ananya Karmakar , I. M. Momin, A. K. Mitra
OSICON2019/084	17:40-17:50	Optimization of Grid Resolution for Early detection of Indian Ocean Cyclones. Jiya Albert , Prasad Kumar Bhaskaran
	17:50-18:00	Discussions

Theme: Ocean Processes**Venue: Sagar Kanya Hall (CMLRE Library), South Block, 2nd Floor, Atal Bhavan**

Reg. No.	Time slot	Title of Paper
OSICON2019/065	16:20-16:30	Sand dunes and aeolian transport along Odisha coast, India. V. Kesava Das , S.K. Misra, R.C. Bragath and P. Chandramohan
OSICON2019/086	16:30-16:40	Suspended Sediment concentration in Gulf of Khambhat, West Coast of India. Aditi Mitra , V. Sanil Kumar
OSICON2019/101	16:40-16:50	The decadal sea level variability in the Indian Ocean and its predictions from CMIP5 models. J. S. Deepa , C. Gnanaseelan
OSICON2019/108	16:50-17:00	River Regulatory Measures in the Hooghly Estuary and the Numerical Modeling of Sediment Deposition under Tide-Induced Flow. Sajumon Scaria , Murali K.
OSICON2019/132	17:00-17:10	An Integrated Hydrological and Hydrodynamic Model for the Vembanad Lake, South West Coast of India. Sebin John , Muraleedharan K R,C Revichandran,Srijith B, Abdul Azeez S,Seena G
OSICON2019/141	17:10-17:20	Effect of assimilating satellite based sea level anomaly observations on upper ocean simulations in a high-resolution Indian Ocean circulation model. Jai Kumar , Neeraj Agarwal and Rashmi Sharma
OSICON2019/142	17:20-17:30	sub-surface ocean structure from satellite surface observations in the north Indian ocean. Anup Kumar Mandal , Aditya Chaudhary, Neeraj Agarwal and Rashmi Sharma
OSICON2019/157	17:30-17:40	Hydroclimatic Projection of Coastal Inundation for the 21st Century during Tropical Cyclone Thane in the Bay of Bengal. A Naren , Rajib Maity
OSICON2019/161	17:40-17:50	Evolution of upwelling between southern and central west coast of India based on time series ship-borne observations. Ch. Venkata Ramu , Vishnu Narayanan Nampoothiri S., Y.V.B. Sarma, and G.V.M. Gupta
	17:50-18:00	Discussions

Theme: Ocean Living Resources**Venue: Sagar Anveshika Hall (CMLRE Data Center), South Block, 2nd Floor, Atal Bhavan**

Reg. No.	Time slot	Title of Paper
Lead Talk	16:00-16:20	Lead Paper 2: Proactive Steps to protect Marine Bio-resources Dr. Ramaiah, NIO
OSICON2019/111	16:20-16:30	Isolation and characterization of Porphyran lyase from seaweed associated bacteria <i>Pseudoalteromonas</i> sp. PlyAJ1 Ashok S. Jagtap, Cathrine S. Manohar
OSICON2019/280	16:30-16:40	Genetic Diversity of <i>Escherichia coli</i> using DNA sub-typing. Aayushi Maloo, Abhay B. Fulke, Soniya Sukumaran
OSICON2019/298	16:40-16:50	Viral ecology studies in Cochin Estuary, India Jasna Vijayan and Parvathi Ammini
OSICON2019/340	16:50-17:00	Biosurfactant from a marine bacterium disrupts biofilms of pathogenic bacteria in a tropical aquaculture system. Faseela Hamza, Surekha Satpute, Arun Banpurkar, Smita Zinjarde
OSICON2019/106 AP	17:00-17:10	Gastroprotective effect of <i>Sargassum wightii</i> and <i>Turbinaria conoides</i> against HCl/ethanol induced ulceration in Wistar rats. Vishnu K V , Ajeeshkumar K K , Niladri S C , Lekshmi R G K, Ganesan B , Suseela M.
OSICON2019/153 AP	17:10-17:20	Effects of commercial trawl fishery on non-commercial batoids in the South coast of India: Conservation needs. Bhagyalekshmi V., Biju Kumar A.
OSICON2019/163 AP	17:20-17:30	Studies on depth related changes in the sound reception capacities of fishes using otolith morphology. Aneesh Kumar K.V., Anu Bruno V.J., Rufus Thella, Rajeeshkumar M.P., Hashim Manjebrayakath, Saravanane N., Sudhakar M.
OSICON2019/362 AP	17:30-17:40	Deep- Sea Anglerfishes (Pisces-Lophiiformes) of the Indian EEZ: Taxonomy and Distribution. Rajeeshkumar MP, Hashim M, Saravanane N, Sudhakar M
	17:40-18:00	Discussions

Theme: Ocean Engineering & Technology**Venue: Sagar Tara (CMLRE Technicians Room) Hall, North Block, 1st Floor, Atal Bhavan**

Reg. No.	Time slot	Title of Paper
OSICON2019/040	16:20-16:30	Sediment plume modelling associated with the Capital Dredging in the Old Mangalore Port, Karnataka, India Abdul Azeez.S , Muraleedharan K.R, C Revichandran, Sebin John, Seena G, Ravikumar C Nair
OSICON2019/081	16:30-16:40	Lsq Based Sph Approach For Evaluating The Impact Of Coastal Defences On Flood Risk Rajapriyadarshini J R., Sudalaimani, K, Yuges Kanna N
OSICON2019/224	16:40-16:50	Encrypted transmission of Oceanographic data: challenges and opportunities Bolem Srinivas , Tata Sudhakar, P Muthuvel
OSICON2019/230	16:50-17:00	Observing System Simulation Experiment for surface ocean pCO ₂ over Indian Ocean: RAMA mooring and Ship of Opportunity underway Sampling Sreesh M G, Vinu Valsala , Sreenivas Pentakota, C. V. Naidu, Kunal Chakraborty, Raghu Murtugudde.
OSICON2019/323	17:00-17:10	Marine Atmospheric Effects on Laser Propagation. G Nageswara Rao , A Sreekar, J Sreekantha Reddy
OSICON2019/364	17:10-17:20	Seasonal and cyclonic wind-wave relationship in northern Bay of Bengal from measured OMNI buoy data. M. Kalyani , Winfred Marshall, K. Jossia Joseph, R. Venkatesan
OSICON2019/377	17:20-17:30	A kriging based approach to restoration of HF radar derived ocean surface currents. Rahul Deogharia , Samiran Mandal, Paban Kumar Bhuyan, and Sourav Sil
OSICON2019/415	17:30-17:40	Design Of Eco Friendly Sea Wall Based On Flume Test H. B Krishna Rao , K .Tejaswini and P K Suresh
	17:40-18:00	Discussions

Theme: Ocean Geosciences**Venue: Sagar Paschimi (Scientist Cabin) Hall, South Block, 1st Floor, Atal Bhavan**

Reg. No.	Time slot	Title of Paper
Lead Talk	16:00-16:20	Lead Paper 3: Andaman Backarc Basin Tectonic Setting and Some Outstanding Questions by Dr. Kamesh Raju
OSICON2019/211	16:20-16:30	Sediment fluid chemistry at the methane cold seep sites: Record from the Krishna-Godavari basin. A. Mazumdar , A. Peketi, D. Shetty, Sagar Pujari, S.P.K. Pillutla, P. Dewangan, S. Gullapalli

OSICON2019/218	16:30-16:40	Spatial distribution of gas hydrate deposits in Cauvery-Mannar offshore basin. C. K. Mishra , P. Dewangan, R. Mukhopadhyay, D. Banerjee
OSICON2019/242	16:40-16:50	Role of climatic variability and source rock on the composition of sediments deposited off Krishna-Godavari basin during last 60 ky. A. Mazumdar , S.P.K. Pillutla
OSICON2019/260	16:50-17:00	Productivity in the Equatorial Indian Ocean for the last 18 Kyr, a multi-proxy approach. Nisha Bharti , Ravi Bhushan and M. Muruganantham
OSICON2019/271	17:00-17:10	Clay mineral composition of surface sediments from the western continental margins of India and their implication on provenance. Vinita K. Mayenkar , Pratima M. Kessarkar, Lina L. Fernandes.
OSICON2019/278	17:10-17:20	Grain size, rock magnetic properties and clay minerals of sediment cores from the Alleppey mudbank, off Kerala, India. Asna P , Pratima M. Kessarkar, Lina L. Fernandes, R Shynu
OSICON2019/374	17:20-17:30	Living benthic foraminifera indicative of the Bay of Bengal oxygen minimum zone. Thejasino Suokhrie , Rajeev Saraswat , R. Nigam
	17:30-18:00	Discussions
1900-2100: Cultural Program and Dinner		

DAY 2 (13 December 2019)	
Chair: Dr. Ananthanarayana Venue: Sagar Sampada Hall	
0930 - 1000	Invited Talk 6: Dr. G. Latha, NIOT
1000 - 1030	Invited Talk 7: Dr. Hareesh Kumar, NPOL
1030 - 1100	Invited Talk 8: Dr. M. Ravichandran, NCPOR
Tea break: 1100 – 1130 <i>(Authors will put up the POSTERS on themes: Living resources, Engineering & Technology, and Ocean Health)</i>	

Technical Session 4: 1130 – 1300	Poster Session Poster Award Committee visits the posters Exhibitors Presentations
Lunch break: 1300 - 1400	
Technical Session 5: 1400-1530 Invited Talks Chair: -	
1400 - 1430	Invited Talk 9 : Dr. Purnachandra Rao, NCESS
1430 - 1500	Invited Talk 10: Cdr MK Singh
1500 - 1530	Invited Talk 11: Dr. Sheila Nair, NCESS
Tea Break: 1530 – 1600	
1600-1800 Parallel Sessions	

Theme: Ocean Processes

Venue: Sagar Nidhi Hall (Conference room), South Block, 2nd Floor, Atal Bhavan

Reg. No.	Time slot	Title of Paper
Lead Talk	16:00-16:20	Lead Paper 4: Internal tides in the Bay of Bengal Dr. A.D. Rao
OSICON2019/095	16:20-16:30	Seasonal forcing of ENSO winds on ITF volume transport and variability. Ann Ouseph , Shikha Singh, Vinu Valsala
OSICON2019/097	16:30-16:40	Impact of mesoscale eddies on mixed layer dynamics in the Bay of Bengal. Naresh Krishna Vissa , Venkata Sai Gulakaram, Prasad Kumar Bhaskaran
OSICON2019/098	16:40-16:50	Pacific Decadal Oscillation and its relation with Indian Summer Monsoon Rainfall. Anila Sebastian , C. Gnanaseelan, Sandeep Mohapatra, J.S. Deepa and Rashmi Kakatkar
OSICON2019/107	16:50-17:00	Changes in surface and subsurface ocean due to transit of north Indian Ocean cyclones using satellite and reanalysis data. A.A.Deo , Veeranjaneyulu Ch
OSICON2019/134	17:00-17:10	Subsurface temperature variability in the Tropical Indian Ocean. Rashmi Kakatkar , C. Gnanaseelan and J. S. Deepa
OSICON2019/137	17:10-17:20	The possible linkage between the Southern Ocean sea-ice and Indian summer monsoon rainfall. C.C. Bajish , B. Jena, N. Anil Kumar and M. Ravichandran
OSICON2019/140	17:20-17:30	ENSO teleconnections in a changing climate. Shamal Marathe , Pascal Terray, Karumuri Ashok

OSICON2019/182	17:30-17:40	Increasing trend of the Arabian Sea heat content due to change in the low level summer monsoon circulation. Anant Parekh , Kad Pratik, Ananya Karmakar, Jasti S. Chowdary, C. Gnanaseelan
OSICON2019/188	17:40-17:50	Evaluation of WRF model physics for Surface Wind Prediction over Indian Peninsula. George Victor , V. Sanil Kumar, K. Sudheesh
	17:50-18:00	Discussions

Theme: Ocean Processes

Venue: Sagar Kanya Hall (CMLRE Library), South Block, 2nd Floor, Atal Bhavan

Reg. No.	Time slot	Title of Paper
OSICON2019/064	16:20-16:30	Storm induced current along the Indian coast. Susant Kumar Misra , P. Chandramohan, R. C. Bragath, S. Akhil Babu
OSICON2019/078	16:30-16:40	Distribution and variations in wave energy fluxes along select locations of central west coast of India. Jesbin George , Dr. V SanilKumar
OSICON2019/096	16:40-16:50	Role of Indian Ocean SST variability on the recent global warming hiatus. Anika Arora , Suryachandra A. Rao, R. Chattopadhyay, Tanmoy Goswami, Gibies George, C.T. Sabeerali
OSICON2019/099	16:50-17:00	Evolution of wave spectra during sea breeze events-study based on numerical model. Anjali Nair M , Dr. V Sanil Kumar.
OSICON2019/113	17:00-17:10	Analysis of the characteristics of coastally trapped Kelvin waves during positive IOD and non-IOD years over the north Indian Ocean using ROMS model. Tanuja Nigam (,) Vimlesh Pant
OSICON2019/117	17:10-17:20	Simulation of diurnal variability in the vertical structure of temperature using a 1-D coupled model. B Yadidya , A D Rao, Sachiko Mohanty
OSICON2019/126	17:20-17:30	Modeling tidal energy dissipation and diffusivity in Bay of Bengal using Modular Ocean Model. Rajesh Chauhan , Siddhesh Tirodkar, Mousumi Sarkar, Manasa Ranjan Behera, Sridhar Balasubramanian
OSICON2019/129	17:30-17:40	Spatial variability of high percentile wind-waves in the Indian Ocean Region Sreelakshmi S and Prasad K. Bhaskaran
OSICON2019/133	17:40-17:50	Enhanced subsurface mixing due to near-inertial waves: Observation from Seychelles-Chagos Thermocline Ridge during 2014 summer. Sabu, P. , M.P. Subeesh, Jenson V. George, N. Anilkumar and M.Ravichandran

OSICON2019/004 (Special Presentation)	17:50-18:00	Study of Interannual variability in the tropical Pacific Salinity and the associated Ocean processes using observation and Ocean General Circulation Model. Anagha.K. S , Dr. C. Gnanaseelan, Mrs. Deepa.J.S
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Theme: Ocean Living Resources

Venue: Sagar Anveshika Hall (Data Center), South Block, 2nd Floor, Atal Bhavan

Reg. No.	Time slot	Title of Paper
Lead Talk	16:00-16:20	Lead Paper 5: Comprehensive Ocean Research: a tool to understand the differential distribution of living resources. Dr. Jyotibabu
OSICON2019/071	16:20-16:30	Diversity and distribution of deep-sea megafauna from the Andaman and Nicobar insular margin. Nikki Ramachandran , Aneesh Kumar K.V., Abdul Jaleel K. U., Oxona Kottanis, Hashim manjebayakath and Sudhakar M.
OSICON2019/131	16:30-16:40	Role of physical processes in determining the dominance of carnivorous (planktivorous) fisheries in the northeastern (southeastern) Arabian Sea. D. Shankar, R. Remya , A.C. Anil, V. Vijith.
OSICON2019/167	16:40-16:50	Impact of ecological parameters on the landings of oil sardine (<i>Sardinella longiceps</i>) over the southeastern Arabian Sea. Faseela Hamza , Vinu Valsala, Anju Mallissery, Grinson George
OSICON2019/174	16:50-17:00	An assessment of Echinoderm diversity in the Agatti Atoll, Lakshadweep. Usha V. Parameswaran , Anju V. S., Sudhanshu Dixit, Rajeev R., Aiswarya Gopal, Hashim Manjebayakath, N. Saravanane, M. Sudhakar
OSICON2019/228	17:00-17:10	Macrofaunal communities in the intertidal regions of Agatti Island, Lakshadweep Sea. Aiswarya Gopal , Ashmy George, Hashim Manjebayakath, Usha V. Parameswaran, Thella Rufus, Saravanane N., M. Sudhakar.
OSICON2019/245	17:10-17:20	Rediscovery of <i>Halieutaea indica</i> Annandale and Jenkins, 1910 (Lophiiformes: Ogcocephalidae) from the Indian waters. Rajeeshkumar MP , Aneesh Kumar KV, Hashim M, Saravanane N, Sudhakar M.
OSICON2019/268	17:20-17:30	Prey composition of myctophid fishes collected from Western Indian Ocean (21°N – 16°S and 55°E-76°S).

		Meera K M1 , Sanjeevan V N, Deepa K P, Rithin Joseph, Hashim M and Sudhakar M
OSICON2019/297	17:30-17:40	The potential impact of deep-sea mining on the benthic communities in the Indian Ocean. Baban Ingle.
	17:40-18:00	Discussions

Theme: Ocean Health

Venue: Sagar Tara (CMLRE Technicians Room) Hall, North Block, 2nd Floor, Atal Bhavan

Reg. No.	Time slot	Title of Paper
Lead Talk	16:00-16:20	Lead Paper 6: A Decade Of Advancement In Indian Ocean Carbon Cycle Research And Way Forward Vinu Valsala , Sreesh M. G., Sreenivas Pentakota, and R. Murtugudde
OSICON2019/066 AP	16:20-16:30	Estimation and Identification of Micro plastics in Treated and Untreated Sewage Effluents in Goa. Mahua Saha , Chayanika Rathore, Haritha Y.S, Priyansha Gupta, Akshata Naik, Suyog Kamble
OSICON2019/206 AP	16:30-16:40	Prospects of biofuel production through bioremediation of hazardous mixed industrial effluents by marine microalga, Phormidium sp. Naseera K. , Cindrella Das, Elroy Joe Pereira, Ramaiah N
OSICON2019/073	16:40-16:50	A novel, highly efficient method for the separation of plastic particles in sediments of aquatic environments. Julian von Borries , Hannes Imhof, Johannes Schmid, Reinhard Niessner, Natalia Ivleva, Christian Laforsch
OSICON2019/185	16:50-17:00	Characteristics of colored dissolved organic matter along the eastern Arabian Sea with reference to physical processes. N.V.H.K.Chari and G.V.M. Gupta
OSICON2019/212	17:00-17:10	Identification of various water types along Mangalore region using AVIRIS-NG data. Madhumita Tripathy , Dharambhai Shah , Tanish Zaveri, Ratheesh Ramakrishnan
OSICON2019/277	17:10-17:20	Seasonal and Spatial Variation of Physicochemical Parameters of a Tropical Estuary, Tapi, west coast of India. Sundararajan S , Basanta Kumara Jena, Khadanga M.K, Karthikeyan R, Kamalakannan B, Asim Amitav Pattanayak
OSICON2019/352	17:20-17:30	Environmental quality assessment of Cochin backwaters around Willington island, India.

		Arun V. , Sibin Antony, Vinu V. Dev, K. Anoop Krishnan
	17:30-18:00	Discussions

Theme: Ocean Geosciences

Venue: Sagar Paschimi (Scientist Cabin) Hall, South Block, 1st Floor, Atal Bhavan

Reg. No.	Time slot	Title of Paper
OSICON2019/115	16:20-16:30	Spatial modifications of Gulf of Mannar Islands due to rising sea level, Tamil Nadu. Sasi Mary Priya Rajan and Radhakrishnan Vengadasalam
OSICON2019/147	16:30-16:40	Geochemistry of submarine volcanic rocks from Andaman Subduction Zone, Northeastern Indian Ocean: Implications on magma genesis and crustal accretion at intraoceanic arc-back system. Abhishek Saha , Bhagyashree Doley, Abhay V. Mudholkar, K.A. Kamesh Raju
OSICON2019/067 AP	16:40-17:50	Hydroclimate variability during the last two millennia and imprints of forcing factors: A study from western India. Upasana S. Banerji , Ravi Bhushan, D. Padmalal
OSICON2019/313	17:50-17:00	Revisit to the geophysical characteristics of Andaman Backarc Spreading Centre, Andaman Sea. K.K. Aswini , V. Yatheesh, K.A. Kamesh Raju, Jensen Jacob, Pawan Dewangan
OSICON2019/335	17:00-17:10	Recent morphodynamical changes and forecast of Amery ice shelf, Eastern Antarctica. Avinash Kumar , Aakriti Srivastava, and Rahul Mohan
OSICON2019/368	17:10-17:20	Tectonic Appraisal of the Mid-Thane Creek of Mumbai, India: An Integrated Geophysical Investigation. J. Jacob , P.V. Kumar, K.M. Dubey, A. Mishra, P. Kumar, S. Kumar, V.P. Mahale, A.K. Chaubey
	17:20-18:00	Discussions
	1800- 1830	<i>Governing Council meeting of the OSI</i>
	1830-1930	<i>General Body meeting of the OSI</i>

DAY 3 (14 December 2019)	
0930-1000	Invited Talk 12: Dr. K.K Vijayan, CIBA Venue:Sagar Sampada Hall
1000-1100	Parallel Sessions

Theme: Ocean Processes

Venue: Sagar Nidhi Hall (Conference Room), South Block, 2nd Floor, Atal Bhavan

Reg. No.	Time slot	Title of Paper
OSICON2019/198	10:00-10:10	Impact of multiyear La Niña Events on Southwest and Northeast Monsoon Rainfall over India in Observations and CMIP5 Models. J. S. Chowdary , S. N RajDeepak, K. Prasanna, C. Gnanaseelan, and Anant Parekh.
OSICON2019/320	10:10-10:20	Role of SST gradient in the Bay of Bengal on the variation of summer monsoon. C.A Babu , Johnson Zacharia and Hamza Varikoden
OSICON2019/322	10:20-10:30	Physical and bio-geochemical response of the northern Indian Ocean to simultaneous occurrences of tropical cyclones in October 2018. Riyanka Roy Chowdhury , S. Prasanna Kumar, Arun Chakraborty
OSICON2019/327	10:30-10:40	Signatures of water mass modifications in the Prydz Bay during austral summer. Anilkumar. N , Sabu. P, Racheal Chacko
OSICON2019/345	10:40-10:50	Monsoon Teleconnections in NCMRWF Subseasonal to Seasonal Scale Prediction System. Ankur Gupta , Ashis K. Mitra, Momin M. Imranali, E. N. Rajagopal
OSICON2019/367	10:50-11:00	Use of multi-platform satellite derived ocean surface winds in the NCMRWF assimilation and forecast system. Bushair. M. T , S. Indira Rani, Gibies George, John P George

Theme: Ocean Processes

Venue: Sagar Kanya Hall (CMLRE Library), South Block, 2nd Floor, Atal Bhavan

Reg. No.	Time slot	Title of Paper
OSICON2019/162	10:00-10:10	Characteristics of Upwelling off Okha. Vishnu Narayanan Nampootheri S. , Ch. Venkata Ramu, K. Rasheed, Y.V.B Sarma, and G.V.M Gupta

OSICON2019/168	10:10-10:20	Trends and Variabilities in Summer Monsoon Rainfall over the Western Ghats and its Association with Indian Ocean SSTs. Hamza Varikoden , J. V. Revadekar, J. Kuttippurath and C. A. Babu
OSICON2019/195	10:20-10:30	Projected Changes in Extreme Significant Wave Height assessed by using CMIP5 model simulations in Indian Ocean. Sukhwinder Kaur , Prashant Kumar
OSICON2019/216	10:30-10:40	Observation of Sea Surface Temperature events warmer than Arabian Sea Mini Warm Pool in the Eastern Bay of Bengal using Satellite data. Anu AP , Elizabeth Shani NX and Raghunadha Rao A
OSICON2019/227	10:40-10:50	Seasonal variability of Sea Surface Salinity over Northern Indian Ocean From SMAP. V. Suneel , Istuti Raajvanshi, M.J. Alex , Gurumoorti. K and Harikrishnan. S
OSICON2019/229	10:50-11:00	Evaluation of CMIP5 and CMIP6 Wind Speed using Satellite scatterometer measurements and Reanalysis Product for the Bay of Bengal. Athira Krishnan , Prof Prasad Kumar Bhaskaran

Theme: Ocean Living Resources

Venue: Sagar Anveshika Hall (CMLRE Data Center), South Block, 2nd Floor, Atal Bhavan

Reg. No.	Time slot	Title of Paper
OSICON2019/019	10:00-10:10	Biophysical control on variability in phytoplankton production and composition in the south-western tropical Indian Ocean during monsoon 2014. S.C. Tripathy , S. Patra, P. Sabu, P. Sudarsanarao, R.K. Naik, V. Venkataramana, C. Parida, A.U. Kerkar, A. Sarkar
OSICON2019/075	10:10-10:20	Influence of eddies on chemical and biological oceanographic processes in Red Sea. Mohammad Ali Qurban and Mohideen Wafar
OSICON2019/082	10:20-10:30	Carbon and nitrogen isotopic composition of particulate matter in the eastern Arabian Sea: sources and transformations of organic matter. Sanjeev Kumar , GVM Gupta, Sangeeta Verma, Prachi Hemant Marathe, Mishika Kaur Arora
OSICON2019/085	10:30-10:40	Understanding the role of nutrient limitation on plankton biomass over Arabian Sea via 1-D coupled biogeochemical model and Bio-Argo observations. M. Anju , M. G. Sreeush, V. Valsala, B. R. Smitha, Faseela Hamza, G. Bharathi, C. V. Naidu

OSICON2019/093	10:40-10:50	Stratification governs the plankton community structure and trophic interaction in the Southwestern tropical Indian Ocean during monsoon season. V. Venkataramana ; S. Amit; P.Sabu; R.K. Mishra; R.K. Naik; N. Anilkumar
OSICON2019/145	10:50-11:00	Nutrient and organic carbon dynamics across the fronts in the Indian sector of southern ocean during austral summer 2015: A case study. Melena A. Soares , P. Sabu, R.K. Naik, V. Venkataramana, R.K. Mishra, A. Sarkar, R. Chacko, N. Anilkumar

Theme: Ocean Engineering & Technology

Venue: Sagar Tara Hall (CMLRE Technicians Room), North Block, 2nd Floor, Atal Bhavan

Reg. No.	Time slot	Title of Paper
OSICON2019/480	10:00-10:10	Comparative study of Sound Velocity Equations for Indian Ocean using Argo data Cdr Krishna Gopal Reddy K , Dr Udaya Bhaskar T.V.S
OSICON2019/077	10:10-10:20	AFISsys “ an autonomous instrument for the preservation of water samples for microbial metatranscriptome analysis Julian von Borries , Sophie Charvet, Lasse Riemann, Johannes Alneberg, Anders F. Andersson, Uwe Fischer, Matthias Labrenz
OSICON2019/223	10:20-10:30	Applications of eco- acoustic techniques for the shallow water area off Goa Kranthikumar Chanda , Bishwajit Chakraborty, Vasudev Mahale, Shubham shet
OSICON2019/248	10:30-10:40	Design and analysis for development of prototype track vehicle for lab based experimental traction studies for deep sea mining machine. Krishna K Singh , C. Janarthanan, V. Sundaramoorthi, V. Chandran, K. Gopkumar, G.A. Ramadass, M.A. Atmanand
OSICON2019/356	10:40-10:50	Acoustic signal spread due to sound speed fluctuation in the shallow waters of North West Bay of Bengal. K.K Noufal , G.Latha, R. Ramesh
OSICON2019/359	10:50-11:00	High-resolution observations of short term coastal morpho dynamics using Video Beach Monitoring System at Kozhikode Beach, India. Ramesh M. , Sheela Nair L., Prakash T.N.

Theme: Ocean Health**Venue: Sagar Paschimi Hall (Scientist Cabin), South Block, 1st Floor, Atal Bhavan**

Reg. No.	Time slot	Title of Paper
OSICON2019/070	10:00-10:10	Distribution and sources of particulate organic matter in the Indian mangroves during non-monsoon. M. H. K. Prasad , D. Ganguly, Singh Gurmeet , R., Paneerselvam, A., Kakolee Banerjee, Yudhistir Reddy, R. Purvaja, R. Ramesh
OSICON2019/089	10:10-10:20	Eastern Arabian Sea is a net annual source of CO ₂ to atmosphere. Sangeeta M.Naik , G.V.M.Gupta, N.V.Harikrishnachari, V.Sudheesh, G.Durga Rao, V.Ranga Rao, M.V.Ramana Murthy
OSICON2019/144	10:20-10:30	Modelling spatio-temporal variability of pH in the coastal waters off Chennai. D. Sathish Kumar , Pradhan U. K, Panda U. S, Pravakar Mishra
OSICON2019/225	10:30-10:40	Process-based and Data-based estimates of variable community compensation depth for ocean BGC model with special reference to Indian Ocean. Sreeush M. G, Vinu Valsala , Sreenivas Pentakota, K.V.S. R. Prasad, C. V. Naidu, Raghu Murtugudde
OSICON2019/276	10:40-10:50	Phosphorus cycling under nearshore hypoxia: A case study of Alappuzha mud banks, southwest coast of India. Dayana Mathew , Gireeshkumar T.R, Udayakrishnan P.B, Shameem K, Balachandran K.K
OSICON2019/326	10:50-11:00	Evaluation of coupled model-simulated pH for the Bay of Bengal. A.P Joshi , R. Roychowdhury, V. Kumar and H.V Warrior
1100-1130 Tea time		
1130-1300 Parallel Sessions (two) and Poster Session		
Poster Session: All posters of Ocean Processes and Geosciences theme will be displayed and concerned participants will visit.		
Poster Award Committee will also visit the posters		

Theme: Ocean Processes**Venue: Sagar Nidhi Hall (Conference Room), South Block, 2nd Floor, Atal Bhavan**

Reg. No.	Time slot	Title of Paper
OSICON2019/135	11:30-11:40	Wave power off Vengurla - assessment based on measured and reanalysis data (ERA5). M.M.Amrutha , V.Sanil Kumar
OSICON2019/143	11:40-11:50	Simulation of the Indian Ocean shallow meridional overturning circulation: sensitivity to momentum flux and spatial resolution. Rahul U. Pai , Anant Parekh, Ananya Karmakar, Jasti S. Chowdary, C. Gnanaseelan
OSICON2019/179	11:50-12:00	Tide-surge interaction during Aila cyclone in the northern Bay of Bengal. Linta Rose , Prasad K. Bhaskaran
OSICON2019/311	12:00-12:10	Estimation of suspended sediments and turbidity along south Kerala coast using satellite images. Shanmuga Priyaa S, Basanta Kumar Jena , Sundararajan S, Ramana Murthy MV
OSICON2019/348	12:10-12:20	Variability of infra gravity waves in the Northern Indian ocean. Glejin Johnson , L. Sheela Nair, Venkatesan Ramasamy, Jossia Joseph K.
OSICON2019/373	12:20-12:30	Field Study on Nearshore Hydrodynamics around a Wedge Shape Reef. Satya Kiran Raju Alluri, Mohan R, Ram Kumar J , M V Ramana Murthy
OSICON2019/376	12:30-12:40	Long-term response of salinity in the upper layers of Bay of Bengal to climatic events. Anoopa Prasad C. , P.V. Hareesh Kumar, K. Jossia Joseph and R. Venkatesan
OSICON2019/381	12:40-12:50	Light absorption characteristics and pigment composition of the total particulate matter in the Eastern Arabian Sea during summer monsoon. Shaju S. S. , Anupama Raj, Bikram Reddy, Anilkumar Vijayan, G.V.M. Gupta
OSICON2019/393	12:50-13:00	Surface Currents and Wave Measurement during Cyclone TITLI Subhashree Sahu, J Rajkumar , Vishal Jain and B. K. Jena

Theme: Ocean Living Resources**Venue: Sagar Anveshika Hall (Data Center), South Block, 2nd Floor, Atal Bhavan**

Reg. No.	Time slot	Title of Paper
OSICON2019/165	11:30-11:40	Seasonal water stability influence on chlorophyll distribution along eastern Arabian Sea. Vishnu Narayanan Nampoothiri S. , K. Rasheed, Y.V.B Sarma, and G.V.M Gupta
OSICON2019/175	11:40-11:50	Latitudinal variation in surface phytoplankton: comparing tropical and Southern Ocean communities. Ravidas Krishna Naik , Jenson George, Melena A Soares, Anilkumar N, Bhaskar PV, Rajdeep Roy, Nuncio Murukesh, Racheal Chacko, Achuthankutty CT
OSICON2019/186	11:50-12:00	Seasonality of Surface Microzooplankton off Goa, Eastern Arabian Sea. Jhimli Mondal , C.R. Asha Devi, Bikram Reddy, Vishnu Narayanan Nampoothiri S., G.V.M. Gupta, M. Sudhakar
OSICON2019/258	12:00-12:10	Biophysical response of phytoplankton to freshwater influx in the nearshore waters of Kochi, southwest coast of India Santhi Krishnan, S. , Jyothibabu, R., Albin K Jose, Karnan, C., Fahad Fathin, Camey Monica Furtado, Gireesh Kumar T. R
OSICON2019/328	12:10-12:20	Does increasing sampling frequency extract better ecological information of coastal-marine systems: perspectives from studies conducted in Uruguay and India? Sourav Paul
OSICON2019/329	12:20-12:30	Distribution of phytoplankton pigment from the sediment and water column from the Paradip port (east coast of India) ecosystem. Sathish K , JS Patil, AC Anil
OSICON2019/330	12:30-12:40	Spatial heterogeneity in the zooplankton ecology and community structure in estuaries along the west coast of India. Kusum Komal Karati , Asha Devi CR, Vineetha G, Harikrishnachari NV, Sudheesh V, Thasneem N, Kumaraswami M
OSICON2019/382	12:40-12:50	Species Diversity and Distribution Patterns of Phytoplankton along Netravathy Gurupura Estuary. Ratheesh Kumar M and Anoop Krishnan
	12:50-13:00	Discussions
Lunch break: 1300 - 1400		

1400-1430

Invited Talk 13: Dr. V.N. Sanjeevan, KUFOS (Former Director, CMLRE)

Venue:Sagar Sampada Hall

CONCLUDING SESSION from 1430 – 1530

Valedictory Address by Dr. Shailesh Nayak, Former Secretary, MoES

National Anthem

Tea at 1530