

Sub-theme 3
Ocean services: what is existing and what is required?
Session 1 Time & Date: 11:30- 13:00 IST, 28 February 2024
Oral presentations: 6; Poster+Flash presentation: 4; Poster presentations: 0
Venue: Raman

Oral presentation

Serial No	Abstract Num	Abstract Title	Author Name	Co-Authors Name
1	WOSC/2024/ABS/85	Seasonal forecasting of Marine Heat Waves: Translating research to ocean services	Ankur Srivastava	Suryachandra A. Rao,
2	WOSC/2024/ABS/99	EXPLOITATION OF AI IN OCEANOGRAPHY FOR NAVAL OPERATIONS	Deo Lalit Prabhakar	
3	WOSC/2024/ABS/235	Significance of OSF & PFZ advisories in Economic improvements of fishermen of Uttara Kannada District, Karnataka	J L.Rathod	Suraj Pujar, Balakrishnan Nair T.M
4	WOSC/2024/ABS/276	Ocean science and technology for offshore and coastal Industry-demanded consultancy projects/services	R. Harikumar	M. Nagaraja Kumar, T.M. Balakrishnan Nair, T. Srinivasa
5	WOSC/2024/ABS/327	Quantifying Methane and Nitrous Oxide Fluxes in Coringa for Enhanced Climate Change Mitigation Strategies	Damodara Rao Valavala	U. S. Panda, Akhilesh Vijay, M. Kumara swami, D. Kumresan
6	WOSC/2024/ABS/358	Evaluation of HWRF-HYCOM coupled simulations of selected North Indian Ocean TCs from the recent past.	Sudheer Joseph	N. D. Manikanta, A.K Das, Akhil Srivastava, Arun Sharma, Balakrishnan Nair T.M, Srinivasa Kumar T., Ravichandran M

Poster+ Flash presentation

Serial No	Abstract Num	Abstract Title	Author Name	Co-Authors Name	Remarks
1	WOSC/2024/ABS/227	WebGIS Application for Ocean Information and Advisory Services from Indian National Centre for Ocean Information Services	N. Kiran Kumar	S. P. Vighneshwar, Srinivasa B., Vishnu Tejaswi, S. Rajeshkhanna, T V S Uday Bhaskar, K. Annapurnaiah, E. Pattabhi Rama Rao, T. Srinivasa Kumar	Online
2	WOSC/2024/ABS/391	Satellite-Retrieved Long-Term Trend Analysis of Algal Blooms in Indian Coastal Waters	Susmita Raulo	Alakes Samanta, Sanjiba K. Baliarsingh, V.V.S.S. Sarma, Sudheer Joseph, T.M. Balakrishnan Nair	Online
3	WOSC/2024/ABS/322	Upper ocean response to tropical storm Biparjoy in the Arabian Sea based on moored buoy observations	Prabin Kumar Kar	Anoopa Prasad C., Janani R., Martin Mathew V., Kalyani M., Jossia Joseph K., Arul Muthiah M.	
4	WOSC/2024/ABS/364	Unravelling the Dynamics of Indian Mackerel Abundance: A Comprehensive Analysis of Oceanographic Influences Using GLM, GAM, and BRT Models	Sneha Jha	Nithya Jeevanand, Sudheer Joseph, T. M. Balakrishnan Nair	Online

Sub-theme 3
Session 2 Time & Date: 11:30- 13:00 IST, 29 February 2024
Oral presentations: 6; Poster+Flash presentations: 7; Poster presentations: 5
Venue: Saha

Oral presentation

Serial No	Abstract Num	Abstract Title	Author Name	Co-Authors Name
1	WOSC/2024/ABS/404	Coastal Ecosystem Services of the Coringa Mangrove Ecosystem: A Comprehensive Assessment, Valuation, and Ecosystem-Based Management Strategy	Uma Sankar Panda	Akhilesh Vijay, Kumaraswamy M, Jinoj P S, Ramana Murthy MV
2	WOSC/2024/ABS/434	Ocean Accounting for Sustainable Development and Governance	Akhilesh Vijay	Uma Sankar Panda
3	WOSC/2024/ABS/428	Application of AI/ML techniques in improving the efficiency of potential fishing zone advisory	Swarnali Majumder	T.M.Balakrishnan Nair, Sudheer Joseph, S.K.Baliarsingh, Nagashwetha
4	WOSC/2024/ABS/288	Advancing Marine Ecological Services for the Indian Seas: INCOIS's Contribution	Sanjiba Kumar Baliarsingh	Alakes Samanta; Dhanya M. Lal; Prakash Chandra Mohanty; Susmita Raulo; Sandip Giri; Bhagyashree Dash; Sneha Jha; Chennuri Sathish; R. Prem Kumar; Harisha; Sudheer Joseph; T. M. Balakrishnan Nair; T. Srinivasa Kumar
5	WOSC/2024/ABS/375	Navigating the Future: Advancing Fisheries Predictions with a Front-to-Fish Approach	Dhanya M Lal	Harisha, Nagaswetha, Alakes Samanta, Sanjiba Kumar Baliarsingh, Chennuri Sathish, Prem Kumar R, Sneha Jha, Susmita Raulo, Sudheer Joseph, Balakrishnan Nair T M, Nagaraja Kumar M, Damodar Shenoy, Anish Kumar Warriar
6	WOSC/2024/ABS/272	Perigeon Spring Tides – the need for close monitoring	K. Srinivas	T.M. Balakrishnan Nair; B. Ajay Kumar; B. Sivaiah

Poster+ Flash presentation

Serial No	Abstract Num	Abstract Title	Author Name	Co-Authors Name	Remarks
1	WOSC/2024/ABS/131	Evaluating Surface Heat and Momentum Fluxes in the Indian Ocean	Sriram Anthoor	Trishneeta Bhattacharya, Kunal Chakraborty	
2	WOSC/2024/ABS/385	Advancing Satellite Technology for Monitoring of Algal Blooms in the Indian Ocean	Premkumar R	Alakes Samanta, Sanjiba Kumar Baliarsingh, Sudheer Joseph & TM Balakrishnan Nair	Online
3	WOSC/2024/ABS/400	Atlas of Submerged Rocky Outcrops along the Indian Coastline: A Resourceful Tool for Potential Fishing Zones (PFZ) and Diverse Applications	Sivaiah Borra	TM Balakrishnan Nair, Naga Swetha, Acharyulu PSN, Ajay Kumar, Nagaraja Kumar M, Srinivas K	Online
4	WOSC/2024/ABS/374	Ecological Dynamics and Predictive Factors of Crambionella orsini Jellyfish Blooms in the Western Indian Ocean	Chennuri Sathish	Dhanya M Lal, Alakesh Samanta, Sanjiba Kumar Baliarsingh, Sudheer Joseph, T.M. Balakrishnan Nair	Online
5	WOSC/2024/ABS/379	Application of random forest algorithm for prediction of Hilsa (Tenulosa ilisha) catch in the north-western Bay of Bengal	Sandip Giri	A.P. Joshi, Alakes Samanta, Sudheer Joseph, T. M. Balakrishnan Nair	Online
6	WOSC/2024/ABS/411	Operational Ocean Color Automatic Data Processing Chain for North Indian Ocean	Alakes Samanta	Sanjiba Kumar Baliarsingh, Sudheer Joseph, T.M. Balakrishnan Nair	Online
7	WOSC/2024/ABS/218	Operational Oil Spill Advisory Services – Existing And Required	SJ Prasad	Sudheer Joseph, TM Balakrishnan Nair	Online

Poster presentation

Serial No	Abstract Num	Abstract Title	Author Name	Co-Authors Name
1	WOSC/2024/ABS/433	Oceanic Response Captured by Moored Buoy in the Central Arabian Sea during the Passage of Cyclones between 2011-2023	M. Kalyani	M. Arul Mutthia, K. Jossia Joseph, S. Ramasundaram, P. Muruges, R. Sundar, B. Kesavakumar, K. Thirumurugan, Biswajit Haldar, G. Vengatesan, S. Sundarjesuraj, R. Sridharan, K. Ramesh, M. Saravanan, C. Muthukumar, N. Sundaravadivelu, Martin V Mathew, C. Anoopra Prasad, R. Janani, K. Prabin Kumar
2	WOSC/2024/ABS/392	MDART - an Interactive Oceanographic Tool for the Visualization of Moored Buoy Observations	K Jossia Joseph	Martin V Mathew, Navaneeth K N, C. Anoopra Prasad, R. Janani, Bolem Srinivas, Prabhakaran, S Balaji, M. Kalyani, R. Sundar, P V Hareeshkumar, Tata Sudhakar, M. Arul Muthiah
3	WOSC/2024/ABS/393	Quantum-Assisted Underwater Communication: Opportunities and Challenges.	SIVA RAMAN	
4	WOSC/2024/ABS/378	Detection of Sea Surface Temperature Fronts in Goa and Mangaluru Coasts By Automatic Front Detection Algorithm	Harisha	Dhanya M Lal, Nagaswetha, Alakes Samanta, Sanjiba Kumar Baliarsingh, Sudheer Joseph, Balakrishnan Nair T M, Nagaraja Kumar M, Damodar Shenoy, Anish Kumar Warriar
5	WOSC/2024/ABS/461	Prevalent ocean met role for the intensification and genesis features of the ESCS Tauktae	G. G. Zahid	R Harikumar