

**Sub-theme 5**  
**Harnessing of marine minerals and other resources: Exploration and EIA perspectives**  
**Session 1 Time & Date: 14:00- 15:30 IST, 27 February 2024**  
**Oral presentations: 4; Poster+Flash presentation: 9; Poster presentation:0**  
**Venue:**

**Oral presentation**

Serial No	Abstract Num	Abstract Title	Author Name	Co-Authors Name
1	WOSC/2024/ABS/27	Experimental study on heating of hydraulic oil for the deep-water vehicles	A.Umapathy	S.Muthukrishna Babu,K.Venketesan, A.A.Gnanaraj, S. Rajesh,K.Gopakumar,G.A.Ramadass
2	WOSC/2024/ABS/33	Morphology and Molecular Phylogenetic Analysis of New Deep-sea Species (Oct	Rengaiyan Periasamy	PALAYIL JOHN KURIAN; BABAN INGOLE
3	WOSC/2024/ABS/109	Relevance of EIA for Deep sea mining	Nidhi Varshney	Amudha K,P.Muthuvel,K.Gopakumar, G.A.Ramadass
4	WOSC/2024/ABS/210	Biological Diversity Associated with the Deep-Sea Mineral Resources in the Indian Ocean	Baban Ingole	R. Periasamy, Usha Parameswaran & Palayil John Kurian

**Poster+ Flash presentation**

1	WOSC/2024/ABS/56	High Incidence of Vanadium and Copper in the titanomagnetite and ilmenite samples off Ratnagiri, Maharashtra, India	Sajesh P V	Sarath L G, Gopakumar .B Jishnu B.K, Aravind Kumar Yadav
2	WOSC/2024/ABS/72	Andaman Back Arc Spreading Centre: A probable loci for Seafloor Massive Sulphide (SMS) deposits	Saju Varghese	Basab Mukhopadhyay
3	WOSC/2024/ABS/118	Distribution pattern and Provenance study of Heavy Minerals suites in different microenvironments of Gopalpur coast, Southern Odisha, East coast of India	Priyanka Dey Guha	Priyanka Dey Guha, Rajesh Kumar Pradhan
4	WOSC/2024/ABS/121	ESTIMATION OF LIMEMUD RESOURCES OCCURRING IN THE INDIAN OFFSHORE USING PROFESSIONAL SOFTWARE TARGET™	Resmi R	Aimdas, Rachna Pillai, Anupama L. C,Gopakumar B, Angeshri Manohar H, Bhadra Kumary S. R, Sajesh P. V, Reshma A, Sandeep Kumar, Jishnu B K, Rakesh Kumar Tiwari, Nitin Kumar
5	WOSC/2024/ABS/126	Heavy mineral distribution pattern in the coastal tract of Kasaragod District, North Kerala, India, and inferences on the controlling factors	MAMATHA P. K	ANIL KUMAR, K. S. JAYAPPA, K.G.MOHAN, L.C. ANUPAMA, SHANIBA V., SUBRADEEP DAS
6	WOSC/2024/ABS/128	Strategic placer mineral exploration with mineralogical characterization in the Territorial Waters off Malud, Odisha, East Coast of India	Srikant Achary G	Vijedurga Raju, Soibam I. Meitei, Santosh Kumar.V, K. Atamajit Singh, Paramjeet, Krishna Prasad D
7	WOSC/2024/ABS/205	Exploration of benthic biodiversity in the Central and Southwest Indian Ridges: India's commitments and contributions	Usha V. Parameswaran	Periasamy R., Baban S. Ingole, Parijat Roy, John Kurian P.
8	WOSC/2024/ABS/229	Speciation of metals and their vertical distribution in a sediment core from southeast Bay of Bengal	Maria C Fernandes	Sunil Vadakkepuliymbatta
9	WOSC/2024/ABS/398	Benthic community assessment along the polymetallic nodule region in the central Indian Ocean – An environmental and Blue Economy perspective	Sabyasachi Sautya	Santosh Gaikwad, Samir Damare, Maria Brenda Mascarenhas-Pereira