

# Program

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## SESSION 5: TOWARDS THE SUSTAINABLE INDO-PACIFIC REGION (IPR): MARINE BIOGEOCHEMISTRY AND BIODIVERSITY

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Thur 25 Nov.	UTC 06:00-9:50 <a href="#">Click to find your local time</a>	
Co-moderators	<b>Shan Jiang, Aazani binti Mujahid, Deo Florence L. Onda, Romanus Edy Prabowo and Jing Zhang</b>	
06:00 - 06:05	<a href="#">Welcome and Introduction</a>	
Keynote speech		
06:05 - 06:25	<b>Fan Wang</b> Multi-sphere interactions in the Indo-Pacific Convergence Center of Matter and Energy	
Oral presentations		
06:25 - 06:40	<b>Erika Grace Gernato</b> Changes in the community structuring of bacteria and archaea in a mariculture-impacted area	[S5-1]
06:40 – 06:55	<b>Aida Sartimbul</b> Molecular and phylogenetic analysis of <i>Sardinella lemuru</i> at fishing ground Prigi-Trenggalek inferred d-loop mutations of mtDNA	[S5-2]
06:55 - 07:10	<b>Yan Du</b> Multi-scale ocean dynamical processes in the Indo-Pacific Convergence Zone and their climatic and ecological effects	[S5-3]
07:10 - 07:25	<b>Man Ying Mok</b> Getting to know the underwater gardener: Sea urchin community distribution in Peninsular Malaysia	[S5-4]
07:25 - 07:40	<b>Masao Ishii</b> Ocean acidification from below in the tropical Pacific	[S5-5]
07:40 - 07:50	<a href="#">Break</a>	
07:50 - 08:05	<b>Patrick Martin</b> Understanding the fate of dissolved organic carbon from tropical peatlands in Southeast Asia's shelf sea	[S5-6]
08:05 - 08:20	<b>Punyasloke Bhadury</b> Biogeography of marine planktonic cyanobacterial communities from coastal oceans - what can we learn from 'omics' based approaches?	[S5-7]
08:20 - 08:35	<b>S.M. Mustafizur Rahman</b> Diagnostic of critical health status for an estuarine mangrove ecosystem	[S5-8]
08:35 - 08:50	<b>Maria Anna Michaela De La Cruz</b> Monsoonal shifts in taxonomic and functional diversity of picoeukaryotic microbial communities in a tropical coastal environment	[S5-9]
08:50 - 09:05	<b>Yixue Zhang</b> Seasonal dynamics of surface dissolved organic matter in the South China Sea and the Straits of Malacca: Implications for biogeochemical province delineation of marginal seas	[S5-10]
09:05 - 09:20	<b>Ashrafur Azam Khan</b> Nutrient dynamics in the river system of the Sundarban Mangrove, Bangladesh	[S5-11]
09:20 - 09:30	<b>Haiyan Sun</b> Publishing in Elsevier Oceanography journals	
09:30 - 09:50	<a href="#">Discussion</a>	

## Virtual poster exhibit on Whova app

- Huatao Yuan** [S5-12]  
Diversity distribution, driving factors and assembly mechanisms of free-living and particle-associated bacterial communities at a subtropical marginal sea
- Yash Yash** [S5-13]  
Exploring environmental dynamics of Sundarbans mangrove of the Northern Indian Ocean- the importance of time series monitoring
- Yongqi Liang** [S5-14]  
Probing air-sea exchange with radiocarbon in the maritime air and sea surface water of the West Pacific
- Aobo Wang** [S5-15]  
Transport and dilution of fluvial antibiotic in the Upper Gulf of Thailand
- Tianying Chen** [S5-16]  
Peer inside the deepest blue hole: diel vertical dynamics of plankton in Yongle Blue Hole, South China Sea
- Christian Lønborg** [S5-17]  
Organic matter as an active component of biogeochemical cycles in tropical waters
- Weiwei Liu** [S5-18]  
Distribution patterns of ciliate diversity in the South China Sea
- Chayan Chakrabarty** [S5-19]  
Seasonal mesozooplankton dynamics and its predictive future: need of freshwater in marine dominated estuaries of Indian Sundarban
- Aida Sartimbul** [S5-20]  
Dynamics of pelagic fisheries and their relation to the water temperature, chlorophyll-a and Indian Ocean Dipole: Case study of Prigi Water, Indonesia