

Program

SESSION 8: ECOSYSTEM, BIOGEOCHEMISTRY, AND INTERVENTIONS IN THE WESTERN PACIFIC AND ITS MARGINAL SEAS: BEYOND THE DISCIPLINARY BORDERS

Mon 22 Nov. UTC 01:00-05:25 [Click to find your local time](#)

Co-moderators **Hiroaki Saito** and **Ying Wu**

01:00 - 01:10 [Opening and Welcome](#)

01:10 - 01:15 [Outline and Structure of Session](#)

[Keynote speech](#)

01:15 - 01:35 **Jie Yin**

Flood modeling and emergency response

[Oral presentations](#)

01:35 - 01:50 **Masahiko Fujii** [S8-1]

Continuous monitoring and future projection of ocean warming, acidification, and deoxygenation on the subarctic coast of Hokkaido, Japan

01:50 - 02:05 **Charles Addey** [S8-2]

Spatiotemporal variability in surface ocean pCO₂ and sea-air CO₂ flux across the Northwest Pacific Ocean

02:05 - 02:20 **Eun Young Kwon** [S8-3]

Flexible carbon-to-phosphorus stoichiometric ratio of exported marine organic matter and a potential feedback on climate change

02:20 - 02:35 **Miaolei Ya** [S8-4]

Compound-specific radiocarbon reveals sources and land–sea transport of polycyclic aromatic hydrocarbons in an urban estuary

02:35 - 02:50 **Chia-Jung Lu** [S8-5]

Fluorescence tracking of dissolved and particulate organic matter in a coastal ocean

02:50 - 03:05 **Weiqli Li** [S8-6]

Effects of dual fronts on the spatial pattern of Chlorophyll-a concentrations in and off the Changjiang River Estuary

03:05 - 03:15 [Break](#)

03:15 - 03:30 **Kristina Cordero** [S8-7]

Changes in the phytoplankton community structure at the subsurface chlorophyll maximum in the Philippine Sea: Mechanisms and possible temperature influence

03:30 - 03:45 **Zhixuan Feng** [S8-8]

Elucidate the roles of Tsushima warm current on the southwest East/Japan sea primary productivity using a high-resolution physical-biogeochemical coupled model

03:45 - 04:00 **Siyu Jiang** [S8-9]

Transient phytoplankton blooms and their formation mechanisms in oligotrophic subtropical and tropical oceans

04:00 - 04:15 **Young-Je Park** [S8-10]

Floating sargassum blooms in the ECS and YS based on the satellite images from GOCI and GOCI-II

04:15 - 04:30 **Hee Yoon Kang** [S8-11]

Warmer winters advanced clam phenology in the temperate East Asian marginal sea coast

04:30 - 04:45 **Goutam Kundu** [S8-12]

Seasonal variation in trophic structure of fish community in the Southern Sea of Korea/Northern East China Sea

Speed-Talk presentations

04:45 – 05:05

- Yosuke Iida** [S8-13]
Ocean acidification in marginal seas of the western North Pacific
- Yunia Witasari** [S8-14]
Paleoclimate interpretation by Clay mineral contents in the surface sediment of Cirebon waters, Indonesia
- Yan Chang** [S8-15]
Biogeochemistry of selenium in Western Pacific, selenium isotope perspective
- Jing Zhang** [S8-16]
Budget of Riverine Nitrogen over the East China Sea Shelf
- Yoonja Kang** [S8-17]
Responses of size-fractionated phytoplankton to environmental variables in Gwangyang Bay focusing on the role of small phytoplankton
- Yi Xu** [S8-18]
Inter-annual and inter-decadal variabilities of Chlorophyll over the East China Sea and southern Yellow Sea
- Kailin Liu** [S8-19]
Planktonic food web dynamics along the western area from North Pacific to Bering Sea in summer
- Yixuan Li** [S8-20]
High-throughput sequencing of 18S rDNA and rRNA reveals the diel vertical dynamics of mesoplankton assemblages at continental shelf and slope sites in northern South China Sea
- Sang Rul Park** [S8-21]
Population dynamics of the 'Golden Tides' seaweed, *Sargassum horneri*, on the southwestern coast of Korea: The degree and formation of golden tides
- Subrata Kumar Ghosh** [S8-22]
Temperature modulation of the gut and skin microbiota in the smolt of chum salmon (*Oncorhynchus keta*)
- Sk Istiaque Ahmed** [S8-23]
Detection of fish community distribution by MiFish analysis and comparison of typical fish community assemblage with ocean frontal structure
- Ben Li** [S8-24]
The solutions to balance the coastal wind energy development and waterbird conservation along East China Coast
- Hyun Je Park** [S8-25]
Feeding ecology of walleye pollock, *Gadus chalcogramma*, in the western East/Japan Sea revealed by stable isotope analyses
- Florina Richard** [S8-26]
Land use land cover classification and oil palm detection in Sarawak using Landsat-8 and the Open Data Cube

05:05-05:25

[Discussion](#)