



**“Life-supporting Asia-Pacific Marine Ecosystems, Biodiversity and their Functioning”**

**Institute of Oceanology, Chinese Academy of Sciences (IO CAS)**  
**National Scientific Center of Marine Biology FEB RAS (NSCMB FEB RAS)**  
**Asia-Pacific Network for Global Change Research (APN)**

**Venue:**

Huanghai Hotel  
 Meeting Room, 2nd floor  
 Qingdao, China, April 26-28, 2017



**April 26, 2017**

**16:30-17:30 Registration of the foreign participants (Next to the hotel front desk)**

**17:30-19:30 Reception (BaiLiQiShi Hall, 2nd floor in Huanghai Hotel)**

**April 27, 2017**

**8:15-8:45 Registration of the Chinese participants and posters placement**

**8:45-9:00 Group photo (Outside the Conference Center Building)**

**9:00-10:30 OPENING SESSION**

**Chairman – Professor Dr. Chaolun Li**

**9:00-9:10.** Opening speech by **Director Fan Wang** (Institute of Oceanology CAS)

**9:10-9:20.** Opening speech by **Dr. Konstantin Lutaenko** (National Scientific Center of Marine Biology FEB RAS)

**9:20-9:50.** Plenary talk by **Professor Dr. Song Sun:**

Western Pacific Ocean System: Structure, Dynamics and Consequences

**9:50-10:20.** Plenary talk by **Professor Dr. Tatiana Dautova:**

Marine Biodiversity Research in the National Scientific Center of Marine Biology FEB RAS – international collaboration and future perspectives

**10:20-10:50 Coffee break**

**10:50-16:40. SESSION A. Marine ecosystems and biological resources - reproduction, conservation, science-based management**

**Chairman –Professor Dr. Salim Dautov**

**10:50-11:10. Hoang Trung Du, Nguyen Minh Hieu, Andreas Kunzmann, Tatiana N Dautova** (Institute of Oceanography VAST, Vietnam) The impact pattern of sedimentation and eutrophication for the degradation of coral reefs in Nha Trang Bay, Vietnam

**11:10-11:30. Kuidong Xu, Yang Li, Xuwen Wu, Junlong Zhang** (Institute of Oceanology CAS) Benthic Epifaunal Community Structuring in Seamounts along the Yap and Mariana Trenches

**11:30-11:50. Viacheslav Odintsov**, Sergey Maslennikov (National Scientific Center of Marine Biology FEB RAS) Marine ecosystem management using remotely operated vehicles

**12:00-14:00. Lunch (Buffet in Huanghai Hotel with vouchers)**

**14:00-17:00 Session A (cont.)**

**Chairman –Professor Dr. Kuidong Xu**

**14:00-14:20. Antonio N. Ayop**, Filipina B Sotto, Ethel C. Wagas (Cebu, the Philippines) Timing of planulation in euphyllid coral, *Euphyllia glabrescens* in the Central Philippines

**14:20-14:40.** Meiping Feng, Chaofeng Wang, Guangtao Zhang, Weiding Wang, Henglong Xu, **Wuchang Zhang**, Tian Xiao (Institute of Oceanology CAS) Annual variation of tintinnid (Ciliophora, Tintinnida) species richness in Jiaozhou Bay, a temperate bay of west Pacific

**14:40-15:00. Salim Dautov**, Tatiana Dautova (National Scientific Center of Marine Biology FEB RAS) Research of the larvae development of Asia-Pacific sea urchins and its importance for science-based aquaculture

**15:00-15:20.** Yuying Zhu, Ning Ma, Weihua Jin, Shimei Wu, **Chaomin Sun** (Institute of Oceanology CAS) Genomic and transcriptomic insights into the calcium carbonate biomineralization by marine actinobacterium *Brevibacterium* lines BS258

**15:20-15:40. Coffee break**

**Chairman: Professor Dr. Filipina Sotto**

**15:40-16:00. Tatiana Nikulina**, Tatiana Mogilnikova, Elena Latkovskaya, Tatiana Koreneva, Anna Vedernikova (Federal Scientific Center of the East Asia Terrestrial Biodiversity FEB RAS) Phytoplankton of the coastal zone of Aniva Bay: dominant's seasonal change, quantitative characteristics and phycotoxins (Sakhalin Island, Russia)

**16:00-16:20. Rencheng Yu.** (Institute of Oceanology CAS) Contamination status of phycotoxins in the Bohai Sea.

**16:20-16:40. Jin Zhao**, Peng Jiang, Huaxin Chen, Chunhui Wu, Yang Guo (Institute of Oceanology CAS) Have the floating *Ulva prolifera* in the Yellow Sea settled down along Qingdao coastal area after eight-year blooming?

**16:40-17:00. POSTER SESSION**

List of posters is attached

**17:30-19:30. Dinner (Buffet in Huanghai Hotel with vouchers)**

April 28, 2017

**9:00-15:20. SESSION B. Marine biodiversity and environmental adaptation.**

**Chairman – Professor Dr. Tatiana Dautova**

**9:00-9:20.** Minxiao Wang, **Ping Zheng** (Institute of Oceanology CAS) Adaptation to the deep-sea, revealed by comparative analysis on the *Bathymodiolus*

**9:20-9:40.** **Alexandra Romanova**, Tatiana S. Tarasova (Far East Geological Institute (FEGI FEB RAS), Vladivostok, Russia) Planktonic foraminifera of the Sea of Okhotsk: distribution and preservation in the surface sediments

**9:40-10:00.** **Leilei Li** (Institute of Oceanology CAS) Metagenomic sequencing of symbiotic methane-oxidizing bacteria of *Bathymodiolus platifrons*

**10:00-10:20.** **Wen-jie GUO** (Institute of Oceanology CAS) Isolation and phylogenetic analyze of epiphytic bacteria from mussels collected from the cold seep

**10:20-10:40. Coffee break**

**Chairman - Professor Dr. Rencheng Yu**

**10:40-11:00.** **Tatiana Dautova** (National Scientific Center of Marine Biology FEB RAS) Octocorallia in Asia-Pacific seas – biodiversity and dispersal ways

**11:00-11:20.** Filipina B. Sotto, **Kurt Bryant B. Bacharo**, Antonio N. Ayop, Clyde Kristoffer Ceniza, Nico Brian Uy, Pierre Anthony Gwen Abella (University of San Carlos, Cebu, the Philippines) Black corals of the family Antipathidae (Anthozoa: Antipatharia) from the eastern part of Mactan Island, Cebu, Central Philippines

**11:20-11:40.** **Konstantin Lutaenko** (National Scientific Center of Marine Biology FEB RAS) Species richness of the bivalve molluscan fauna of the Sea of Japan: toward an inventory

**11:40-12:00.** **Anna V. Raschepkina**, Elena M. Sayenko. (Federal Scientific Center of the East Asia Terrestrial Biodiversity FEB RAS) Some new data on *Corbicula* from estuaries of Vietnam

**12:00-14:00. Lunch (Buffet in Huanghai Hotel with vouchers)**

**14:00-15:00 SESSION B (cont.)**

**Chairman – Dr. Konstantin Lutaenko**

**14:00-14:20.** Yong Xu, **Xinzheng Li** (Institute of Oceanology CAS) Variation of macrofaunal community in a section of the East China Sea: Influence of the Kuroshio

**14:20-14:40 Elena M. Sayenko, Ngo X.Q., Lutaenko K.A.** (Federal Scientific Center of the East Asia Terrestrial Biodiversity FEB RAS) Bivalves of the Ba Lai River – one of estuary of the Mekong Delta, Vietnam

**14:40-15:00. Junlong Zhang, Olga V. Yurchenko, Konstantin A. Lutaenko, Alexander V. Kalachev, Ivan O. Nekhaev, Robert Aguilar, Zifeng Zhan, Matthew B. Ogburn** (Institute of Oceanology CAS) *Mya arenaria* and *Mya japonica* (Bivalvia: Myidae) are two distinct species: molecular and spermatozoan ultramorphological evidence

**15:00-15:30. Coffee break**

**15:30-17:00. DISCUSSION & CLOSING SESSION. Future collaboration on science, technology and education.**

**17:30-19:30 Farewell party in Huanghai Hotel**

### List of posters

Authors	Affiliation	Title
Svetlana Yu. Neznanova	NSCBM FEB RAS svenez@yandex.ru	Comparative analysis of ultrastructure of gamets <i>Stichaeus nozawai</i> and <i>Stichaeus grigorjewi</i> (Pisces: Stichaeidae)
Ivan I. Cherbadgy	NSCBM FEB RAS <i>icherbadgy@mail.ru</i>	The content of photosynthetic pigments in deep coralline algae community in the South China Sea
Natal'ya G. Emel'yanova, Dimitri A. Pavlov	Department of Ichthyology, Biological Faculty, Moscow State University, Moscow, Russia enata744@mail.ru	Spermatozoon ultrastructure in three fish species of the suborder Scorpaenoidei
Dimitri A. Pavlov, Natal'ya G. Emel'yanova	Department of Ichthyology, Biological Faculty, Moscow State University, Moscow, Russia. dimi-pavlov@yandex.ru	Color morphs and life history traits of freckled goatfish <i>Upeneus tragula</i> (Mullidae)
Ilya A. Shcherbakov, Nataliya P. Fadeeva, Pavel A. Kireyev	National Scientific Centre of Marine Biology FEB RAS. i-ilyha-i@mail.ru	Structure and taxonomic composition of subtidal macro- and meiobenthic assemblages in the Chayvo Area (the Sea of Okhotsk)
Svetlana V. Tochilina, Lidiya N. Vasilenko	V.I. Ilyichev Pacific Oceanological Institute, Vladivostok, Russia. tochilina@poi.dvo.ru	Importance of biometric analysis for classification of Nassellaria type (Radiolaria)
Alena Moskovtseva	Il'ichev Pacific Oceanological Institute, FEB RAS and Far Eastern Federal University, Vladivostok, Russia. moskovtseva_a@mail.ru	Scenario of the global warming on the example of ecosystems of coniferous forests and Arctic basins
Larisa S. Afeychuk	Pacific Scientific Research Fisheries Centre (TINRO)	Preservation, management and rational exploitation of anadara ( <i>Anadara broughtonii</i> , Schrenck, 1867) resources in Primorye region of Russia
Konstantin Rogachev	V.I. Ilyichev Pacific Oceanological Institute. rogachev@poi.dvo.ru	Effects of tidal currents on zooplankton aggregations in the coastal Sea of Okhotsk
Shijian Hu, Janet Sprintall	Institute of Oceanology, CAS sjhu@qdio.ac.cn	Observed Strengthening of Inter-basin Exchange via the Indonesian Seas due to Rainfall Intensification
Wei Gao, Zhenyan Wang	Institute of Oceanology, CAS gaowei880121@sina.com	Observed thermohaline structure of mesoscale eddies and their controlling effects on the in situ chlorophyll distribution in the western North Pacific
Xumiao Chen, Kuidong Xu	Institute of Oceanology, CAS xchen@qdio.ac.cn	Spatiotemporal distribution research of ciliated protozoan microfauna in intertidal sediments from Nanji Islands in the East China Sea

## Information for participants

### Venue

The conference will be held at the Qingdao Huanghai Hotel, which is one of Shandong Province's excellent hotels and ranked among the ten best establishments in Qingdao. It is a member of both the Tourist Hotel Association of China and the Friendship Hotel Group of China.



### Transportation

**We will pick up every participants at the airport according to the time of arrival.**

**The self-help route is listed, just in case.**

**Arriva by air:** Huanghai Hotel is about 30 km away from Qingdao Liuting Airport. You can take a taxi at the airport, with the price based on the class of taxi ranging from RMB 70 to 100 (about USD 12~17).

**Arrival by train:** Huanghai Hotel is about 3 km from Qingdao Railway Station. You can take the subway Line 3, get off at Huiquan Guangchang Station and take Exit A.

### Hotels

The locations of three hotels are shown blow.

(Huanghai Hotel, Huiquan Dynasty hotel and Wushengguan Holiday Hotel)



## General Information

### Weather

The air temperature during the conference period will vary roughly from about 10° to 20° Celsius (50° to 68° Fahrenheit). However, precise temperature information should be obtained from weather forecast by then. Usually, there will be a moderate breeze in the daytime.

### Time Zone

GMT/UTC plus 8 hours

### Internet

Wireless Internet access will be available at the conference center.

### Electricity

The voltage in China is 220V. Socket and plug used are mainly as shown below.



**Water:**

Tap water is not suitable for direct drinking, Visitors are advised to drink boiled tap water, bottled purified water or mineral water. Complimentary bottled water may be offered in hotels.

**Useful Telephone Numbers**

Telephone, country code: +86; Qingdao code: 532 (call to Qingdao from other areas in China: 0532+local number)

Police: 110

Fire Department: 119

Ambulance: 120

Local directory assistance: 114

**Currency and Banking**

Foreign currencies in cash or traveler's checks can be changed into Chinese Yuan (CNY, RMB) at the airport, local banks and hotels. Refer to Bank of China for exchange rate:

<http://www.boc.cn/sourcedb/whpj/enindex.html>.

Banks usually open at 9 a.m. and close at 5 p.m. during the weekday and open from 9 a.m. to 4 p.m. at the weekend. Credit cards such as American Express, Diners Clubs, JCB, Master Card and Visa may be used for payments at hotels and tourist stores.

Important:

The APN organizer kindly suggests that you bear some cash in Chinese Yuan (CNY, RMB) as pocket money for payment to taxi, subway tickets, etc. in Qingdao. Foreign currencies in cash or travelers' checks can be changed into Chinese Yuan (CNY, RMB) at the airport. Automatic Teller Machines (ATM) are located at convenient points throughout the airport. You may ask Airport's Information Desks for help.



## **Famous Sceneries**

### **Zhanqiao Pier:**

Zhanqiao Pier, built in 1891, is the symbol of Qingdao. After several restorations, from being a simple military harbor, it is now open to tourists. The pier is 440 meters long. There is an octagonal pagoda of distinctive Chinese style, called “Huilan Pagoda”, at the end of the pier. From the top, tourists can fully view the Maganificent Sea. Along the shore is the beautiful Pier Park, which is a pleasant and quiet place for tourists to rest or enjoy the scenery of Little Qingdao Island and its white tower.



### **Badaguan (Eight Great Passes):**

Lying between Huiquan Cape and Taiping Cape, Badaguan faces the rippling Taiping Bay. In the Badaguan area, more than 200 villas of exotic style are scattered among the lush old-growth flora. There are so many villas that the scenic spot is considered a World Architecture Museum. Criss-crossing the scenic area are ten roads built in 1931 and lined with many varieties of trees including peaches, crabapples, pine trees and ginkgo. Eight of the roads are named after the eight great passes of the Great Wall, hence the name Badaguan.



**Catholic Church:**

Located on Zhejiang Road, the Catholic Church, originally named St. Michael's, was built by the Germans in 1934. The 60-meter-high building, covering 2470sq.m, is one of China famous Catholic Churches.



**May 4th Square:**

This square is named to honor the May 4th Movement which took place in 1919. Consisting of two squares and a park, the area is decorated with statues and fountains and surrounded by pine trees, meadows, and flowers. It has become the symbol of modern Qingdao.



**Laoshan Scenic Area:**

The Laoshan Scenic Area was one of China's first major scenic resorts to receive the approval of the State Council. It holds an important position in Qingdao's tourism industry. The acceleration of

its natural landscape development and improved access to its cultural facilities is an important component of the city's Olympic endeavors. Major tourist spots include the Laoshan Kangcheng Academy, the Jufeng Scenic Area and Nine Waters& Eighteen Pools.



## Local cuisine

### Seafood:

Seafood is a typical delicacy of Qingdao, divided into two categories: "Great Seafood" including sea cucumbers, abalones, shark's fin, prawns, crabs, conch, and some big fish, and "Little Seafood" comprising squid, shrimps, octopus, oysters, razor clams, clams, periwinkles, yellow croakers, etc. Generally, fresh seafood is served in every hotel.



## Tsingtao Beer:

Internationally, Qingdao is perhaps best known for its Tsingtao Brewery, founded by a German-British joint venture in 1903 that produces Tsingtao beer, the most well-known Chinese export beer.

