



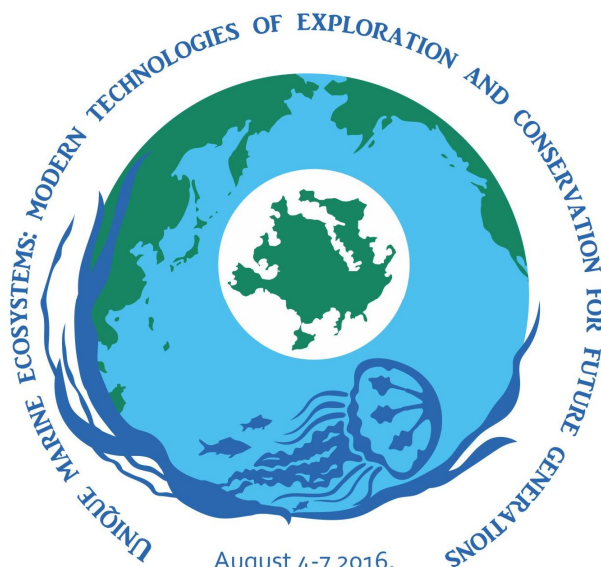
PROGRAMME

of the conference

Unique Marine Ecosystems: Modern Technologies of Exploration and Conservation for Future Generations

Vladivostok, Russia, August 4–7, 2016

Venue – Campus of the Far Eastern Federal University, Building B, Middle Hall;
Primorsky Aquarium FEB RAS, Conference Hall



August 4-7 2016,
Russky Island, Vladivostok, Russia

Day 1: August 4, Thursday

Registration 8.00 – 9.00

Opening Session 9.00 – 9.30

9.00 – 9.10. *Prof. Andrey V. Adrianov*, Co-Chair of the UME Organizing Committee. Opening speech.

9.10 – 9.15. Welcome speech from Ministry of Education and Science of Russian Federation

9.15 – 9.20. Welcome speech from Federal Agency of Research Organizations

9.20 – 9.30. *Prof. Sun Song*, Director of the IOCAS. Welcome speech

9.30 – 9.40. Collective photo

Session 1 *Biodiversity and dynamics of marine ecosystems*

Chair – *Prof. Andrey V. Adrianov* (A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Russia)

9.40 – 10.10. *Vladimir V. Malakhov* (Far Eastern Federal University and M.V. Lomonosov Moscow State University, Russia)

Pogonophora and Vestimentifera, enigmatic gutless invertebrates of sea floor

10.10 – 10.40. *Yuri N. Kulchin* (Institute of Automation and Control Processes FEB RAS, Russia)

Modern technologies and equipment for monitoring of marine ecosystems

Coffee break (10.40 – 10.55)

10.55 – 11.10. *Fang Zhang, Song Sun* (Institute of Oceanology CAS, China)

Jellyfish blooms around Chinese coast

11.10 – 11.25. *Ronald G. Noseworthy, Choi Kwang-sik* (Jeju National University, Republic of Korea)

New species records as an indicator of climate change caused by global warming

11.25 – 11.40. *Sun Xiaoxia, Sun Song* (Institute of Oceanology CAS, China)

Long term changes of Jiaozhou Bay ecosystem, China

11.40 – 11.55. *Lubov S. Buzoleva, Elena A. Bogatyrenko, Alena I. Eskova* (Far Eastern Federal University; Somov Research Institute of Epidemiology and Microbiology, Russia)

Biofilm forming by pathogens and saprotrophic microorganisms in marine communities

11.55 – 12.10. *Ekaterina A. Ivanova, Maksim B. Gulin* (Institute of Marine Biological Research RAS, Russia)

Shallow methane cold seeps as environment of “ecological compromise”

12.10 – 12.25. *Peng Qi, Yun-xia Guo* (Institute of Oceanology CAS; Laboratory of Ocean Circulation and Waves CAS, China)

Strengthening of subsurface intrusion of less saline shelf water into the Kuroshio in the East China Sea during strong La Niña years

12.25 – 12.30. Announcements and housekeeping information

12.30 – 14.00. Lunch

Session 1 (continued) *Biodiversity and dynamics of marine ecosystems*

Chair – *Dr. Olga G. Shevchenko* (Primorsky Aquarium FEB RAS)

14.00 – 14.30. *Boris I. Sirenko, Sergey Ju. Gagaev, Igor S. Smirnov* (Zoological Institute RAS, Russia)

Bottom communities of shoals in the Prydz Bay, Antarctica

14.30 – 14.45. Rencheng Yu, Qingchun Zhang, Fanzhou Kong, Tian Yan, Mingjiang Zhou (Institute of Oceanology CAS; Qingdao National Laboratory for Marine Science and Technology, China)

Increasing threats of harmful algal blooms in the coastal waters of China

14.45 – 15.00. Anton Chichvarkhin, Olga Chichvarkhina (A.V. Zhirmunsky Institute of Marine Biology FEB RAS; Far Eastern Federal University, Russia)

Underwater volcanic gas seeps alter behavior and morphology in predatory dog-whelk *Nucella heyseana* (Dunker, 1882) (Mollusca, Gastropoda): ecological plasticity of species or early stage of sympatric speciation?

15.00 – 15.15. Tatiana Yu. Orlova (A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Russia)

Long-term changes in microalgae communities with emphasis on harmful algal blooms in Amursky Bay (East/Japan Sea)

15.15 – 15.30. Marina L. Sidorenko, Lyubov S. Buzoleva, Anastasiya N. Boyko (Institute of Biology and Soil Science FEB RAS; Institute of Epidemiology and Microbiology SB RAMS; Far Eastern Federal University, Russia)

Soils of sea coasts as the habitat of *Yersinia pseudotuberculosis*

15.30 – 15.50. Coffee break

Chair – Dr. Tina N. Molodtsova (P.P. Shirshov Institute of Oceanology RAS, Russia)

15.50 – 16.05. Tatiana N. Krupnova (Pacific Fisheries Research Center, Russia)

Laminaria thickets recovery in dependence on abiotic and biotic environments

16.05 – 16.20. Peng Jiang, Chun Hui Wu, Jin Zhao (Institute of Oceanology CAS; Qingdao National Laboratory for Marine Science and Technology, China)

From an evil of marine ecosystem to a potential marine bioreactor: a case study of modern algal biotechnology

16.20 – 16.35. Andrey V. Grinchenko, Maria S. Mokrina, Yulia N. Sokolnikova, Vadim V. Kumeiko (Far Eastern Federal University; A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Russia)

The immune parameters displaying the physiological state of bivalve mollusks from impacted and non-impacted water areas

16.35 – 16.50. Delik D. Gabaev (A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Russia) Some ecological features of Northern Pacific seastars

18.00 – 19.30. Ice-breaking party in Primorsky Aquarium

Day 2: August 5, Friday

Session 2 *Deep-sea ecosystems*

Chair – *Dr. Sun Xiaoxia* (Institute of Oceanology CAS, China)

9.30 – 10.00. *Andrey V. Adrianov, Viktor V. Ivin, Marina V. Malyutina* (A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Russia)

Deep-sea investigations in the North-West Pacific: marine expeditions of the A.V. Zhirmunsky Institute of Marine Biology FEB RAS

10.00 – 10.30. *Sun Song* (Institute of Oceanology CAS, China)

Deep-sea research activities of the Institute of Oceanology, Chinese Academy of Sciences in the West Pacific

10.30 – 11.00. *Angelika Brandt, Marina V. Malyutina* (University of Hamburg, Germany; A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Russia)

Biological deep-sea expeditions with focus on the Northwest Pacific

11.00 – 11.15 Coffee break

11.15 – 11.45. *Tina N. Molodtsova, Andrey V. Gebruk* (P.P. Shirshov Institute of Oceanology RAS, Russia)

Research of seamount and oceanic rise fauna at P.P. Shirshov Institute of Oceanology, Russian Academy of Sciences

11.45 – 12.10. *Vladimir A. Fialkov* (Baikal Museum ISC SB RAS, Russia)

Deep-sea life in Lake Baikal

12.10 – 12.30. *Kim Woong-Seo* (Korea Institute of Ocean Science and Technology (KIOST), Republic of Korea)

Deep-sea scientific survey by ROV *Hemire*

12.30 – 12.35. Announcements and housekeeping information

12.35 – 14.00. Lunch

Session 3 *Tropical marine ecosystems*

Chair – *Dr. Tatyana N. Dautova* (A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Russia)

14.00 – 14.30. *Vo Si Tuan* (Institute of Oceanography VAST, Vietnam)

Coral reefs in the South China Sea: updated understanding and regional efforts for management

14.30 – 14.45. *Asako K. Matsumoto, Leen P. van Ofwegen* (Chiba Institute of Technology (Chitech), Japan; Naturalis Biodiversity Center, The Netherlands)

Comparison of octocoral biodiversity between the Sea of Japan and Pacific side of Japan, with a revision and new species

14.45 – 15.00. *Tatiana N. Dautova* (A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Russia)

Octocorals Alcyonacea in tropical and cold water ecosystems – biodiversity and pathways for dispersal

15.00 – 15.15. *Shan Zheng, Xiao-xia Sun, Jun-hua Liang* (Institute of Oceanology CAS; Qingdao National Laboratory for Marine Technology, China)

Distribution of pico-phytoplankton along a transect in tropical Western Pacific

15.15 – 15.30 Coffee break

Session 4 (Poster session)

15.30 – 17.30

List of posters is attached

Day 3: August 6, Saturday

Session 5 *Marine biodiversity*

Chair – **Dr. Fang Zhang** (Institute of Oceanology CAS, China)

9.30 – 9.45. Zi-Min Hu, Jing-Jing Li, Xu Gao, De-Lin Duan (Institute of Oceanology CAS; Laboratory for Marine Science and Technology, China; Research Centre for Inland Seas, Kobe University, Japan)
Hidden diversity and phylogeographic history provide conservation insights for the edible seaweed *Sargassum fusiforme* in the Northwest Pacific

9.45 – 10.00. Sergei V. Turanov, Alexander D. Redin, Natalya A. Masalkova (A.V. Zhirmunsky Institute of Marine Biology FEB RAS; Far Eastern State Technical Fisheries University, Russia)
Species divergence and genetic differentiation of sand lances (Trachiniformes: Ammodytes) from the North West Pacific area

10.00 – 10.15. Larisa A. Prozorova (Institute of Biology and Soil Science FEB RAS)
Distribution, morphology and shell colour diversity of the intertidal gastropod *Batillaria attramentaria* (G.B. Sowerby II, 1855) (Caenogastropoda: Batillariidae)

10.15 – 10.30. Jianting Yao, Jie Zhang, Zhongmin Sun, Dmitry A. Galanin, Chikako Nagasato, Taizo Motomura, Delin Duan (Institute of Oceanology CAS; Qingdao National Laboratory for Marine Science and Technology, China; Sakhalin Scientific Research Institute of Fisheries and Oceanology, Russia; Hokkaido University, Japan)
Study on the population genetics and demography of *Saccharina japonica* (Laminariales, Phaeophyta) in the Northwestern Pacific Ocean

10.30 – 10.45. Neonila E. Polyakova, Alexei V. Chernyshev, Sergei V. Turanov (A.V. Zhirmunsky Institute of Marine Biology FEB RAS; Far Eastern Federal University; Far Eastern State Technical Fisheries University, Russia)
Taxonomy and distribution of the *Lineus alborostratus*-group (Nemertea: Lineidae)

10.45 – 11.05. **Coffee break**

11.05 – 11.20. Yulia S. Golozubova, Lubov S. Buzoleva, Alena S. Eskova, Alexandra V. Kim, Elena A. Bogatyrenko (Far Eastern Federal University, Russia)
Microbiological biodiversity of surface seawater with different anthropogenic stress

11.20 – 11.35. Gennady M. Kamenev (A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Russia)
The genus *Hyalopecten* (Bivalvia: Pectinidae) from the abyssal and hadal zones of the northwestern Pacific

11.35 – 11.50. Elena A. Bogatyrenko, Lubov S. Buzoleva, Tatiana I. Emelyanova, Alena I. Eskova, Alexandra V. Kim (Far Eastern Federal University, Vladivostok; Somov Research Institute of Epidemiology and Microbiology, Vladivostok, Russia)
The comparative characteristic of mussel *Crenomytilus grayanus* microflora from areas with different anthropogenic load

11.50 – 12.00. Announcements and housekeeping information

12.00 – 14.00. **Lunch**

Session 6 *Perspectives of marine biology in the North-west Pacific*

Venue – Primorsky Aquarium

14.30 – 15.00 Andrey V. Adrianov (A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Russia)
National Scientific Center of Marine Biology – a new biological institution, its functions, goals and future development

15.00 – 15.30. *Vadim M. Serkov, Olga G. Shevchenko* (Primorsky Aquarium FEB RAS, Russia)
Primorsky Aquarium of Far East Branch of the Russian Academy of Sciences – preserving unique aquatic ecosystems technologies

15.30 – 16.00. Coffee break

16.00 – 17.30. Visit to Primorsky Aquarium

18.30 – 20.30. Farewell party (in Far Eastern Federal University Campus)

Day 4: August 7, Sunday

9.30 – 13.00 Excursion to the downtown of Vladivostok

List of posters

Authors	Title	Affiliation
Sergey B. Gulin, Viktor N. Egorov, Yuriy G. Artemov	Gas-lift upwelling generated by methane seeps in the Black Sea: mechanism of formation and ecological role	<i>A.O. Kovalevsky Institute of Marine Biological Research RAS, Sevastopol 299011, Russia</i>
Alexander V. Sevastianov, Tatiana A. Belan, Tatiana S. Lishavskaya, Boris M. Borisov	Pollution of bottom sediments and long-term changes of pollution loading of the coastal zone of Peter the Great Bay (the Sea of Japan/ East Sea)	<i>Far Eastern Regional Hydrometeorological Research Institute (FERHRI), Vladivostok 690091, Russia</i>
Maksim B. Gulin, Ekaterina A. Ivanova, Mikhail V. Kovalenko	Natural limitations of full-cycle eukaryotic life under permanent anoxia in the marine water and seabed sediments	<i>Institute for Marine Biological Research RAS, Sevastopol 299011; Institute of Natural and Technical Systems RAS, Sevastopol 299011, Russia</i>
Elena E. Kostina	Macrobenthos of the intertidal gas-hydrothermal vent areas in some locations of the Kurile Islands	<i>A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041, Russia</i>
Valentina V. Moroz, Natalia I. Rudykh, Tatiana A. Shatilina	The hydrobionts existence condition change in the Japan Sea northeast part under the cold water intrusions through La Perouz Strait at warm half-year	<i>V.I. Ilyichev Pacific Oceanological Institute FEB RAS, 690041 Vladivostok; Pacific Fisheries Research Centre, 690091 Vladivostok, Russia</i>
Lyudmila I. Sabitova, Tatiana L. Kalita	Culture of <i>Zostera marina</i> L. in a closed-system aquarium	<i>Primorsky Aquarium FEB RAS, Vladivostok 690922, Russia</i>
Anna V. Skriptsova, Tatiana L. Kalita	Succession of algal community of the Sobol Bay (Peter the Great Bay, Sea of Japan) after road construction	<i>A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041, Russia</i>
Yulia A. Trebukhova, Olga N. Pavlyuk, Yulia K. Zograf, Nguyen Dinh Tu, Nguyen Thi Xuan Phuong, Nguyen Vu Thanh, Vladimir V. Yushin	Community structure and density distribution of meiofauna and free-living marine nematodes, associated with seagrass species from the intertidal zone in Tien Yen District (Quang Ninh Province, north Vietnam)	<i>A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041, Russia; Institute of Ecology and Biological Resources, Vietnam Academy of Science and Technology, Hanoi, Vietnam</i>
Vladimir V. Gulbin, Alisa R. Kosyan	A unique case of imposex in deep-sea gastropods	<i>A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041, Russia; A.N. Severtsov Institute of Ecology and Evolution RAS, Moscow 119071, Russia</i>
Maria Y. Barkina, Peter V. Velansky, Natalia S. Vorobyeva, Ludmila A. Davydova, Nina A. Smirnova, Eduard Y. Kostetsky, Nina M. Sanina	Influence of warm-acclimation on molecular species composition and thermotropic behavior of major polar lipids of marine macrophytes <i>Saccharina japonica</i> and <i>Ulva lactuca</i>	<i>Department of Biochemistry, Microbiology and Biotechnology, Far Eastern Federal University, Vladivostok 690091, Russia</i>
Vladimir I. Kharlamenko, Serguei I. Kiyashko, Victor V. Ivin	Trophic structure of cold-seep communities in the Sea of Okhotsk	<i>A.V. Zhirmunsky Institute of Marine Biology of the Far Eastern Branch of the Russian Academy of Sciences, Vladivostok 690041, Russia</i>
Serguei I. Kiyashko, Vladimir I. Kharlamenko	The abyssal ecosystems of neighboring Kurile Basin and Japan Basin have very different trophic structures	<i>Far Eastern Federal University, Vladivostok 690950; A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041, Russia</i>
Vladimir B. Kozmenko, Tatiana L. Kalita	Cultivation of the brown alga <i>Stephanocystis crassipes</i> (Sargassaceae, Phaeophyceae) in a combined way (the aquarium – the sea)	<i>Primorsky Aquarium FEB RAS, Vladivostok 690922, Russia</i>
Alla V. Silina	Community of the scallop <i>Mizuhopecten yessoensis</i> with its epibionts under climatic and anthropogenic modifications in Amursky Bay	<i>A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041, Russia</i>
Inna V. Stonik, Anton A. Zinov	Studies of bloom-forming toxic diatoms from the northwestern Sea of Japan during 2012–	<i>A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041;</i>

	2015	<i>Far Eastern State Technical Fisheries University, Vladivostok 690087, Russia</i>
Yuri Ya. Latypov	The study of biodiversity of corals community on coral reefs of Vietnam	<i>A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041, Russia</i>
Anna A. Ponomareva, Alexander A. Karpenko, Dariya Yu. Romanova, Olga G. Shevchenko	The potential of Raman spectroscopy for the identification of diatom species (Bacillariophyta)	<i>A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041; Primorsky Aquarium FEB RAS, Vladivostok 690041; T.I. Vyazemsky Karadag Scientific Station, Nature Reserve of the RAS, Kurortnoe, Feodosiya 298188, Russia</i>
Tatiana S. Tarasova	Long-term studies of the structure of benthic foraminiferan complexes in the sublittoral zone off Furugelm Island, Peter the Great Bay, Sea of Japan	<i>A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041, Russia</i>
Andrey P. Chernyaev, Ekaterina N. Zyk, Aleksandra S. Petrova	Content of 4-nonylphenol in sea waters of Amur Bay (Japan/East sea)	<i>School of Natural Sciences, Far Eastern Federal University, Vladivostok 690922; Vladivostok State University Economics and Service, Vladivostok 690014, Russia</i>
Evgeniy B. Lebedev	Macrobenthos structure under the impact of mariculture farm in Minonosok Bight, Posyet Bay, Sea of Japan	<i>Far Eastern Marine Biosphere Reserve FEB RAS, Vladivostok 690041, Russia</i>
Yuliya A. Galysheva, Olga V. Nesterova, Uliana I. Serdyuk	Peculiarities of size distribution and organic matter of bottom sediments, as factors predetermine the risk of accumulation of heavy metals in the Vladimir Bay ecosystem (Sea of Japan)	<i>Far Eastern Federal University, Vladivostok 690922, Russia</i>
Junlong Zhang	Taxonomy on some chitons (Mollusca, Polyplacophora) from China based on valves, radula morphology and gene sequences	<i>Institute of Oceanology, Chinese Academy of Sciences, Qingdao 266071, China</i>
Polina A. Kameneva	Bivalve feeding experiments as a useful tool for investigation of marine phycotoxins' biotransformation	<i>A.V. Zhirmunsky Institute of Marine Biology, FEB RAS, Vladivostok 690041; Far Eastern Federal University, Vladivostok 690922, Russia</i>
Valentin A. Avramenko, Ivan G. Tananaev, Valentin I. Sergienko	Treatment of liquid radioactive waste containing seawater	<i>Far Eastern Federal University, Vladivostok 690091, Institute of Chemistry FEB RAS, Vladivostok, 690022, Russia</i>
Wang Minxiao, Zheng Ping, Li Chaolun, Sun Song	Adaptation strategy of <i>Bathymodiolus platifrons</i> in the cold seep ecosystems revealed by comparative transcriptomics	<i>Institute of Oceanology, Chinese Academy of Sciences, Qingdao 266071, China</i>
Victoria D. Yagodina, Natalia P. Fadeeva, Vladimir V. Mordukhovich, Alexander A. Semenchenko, Julia K. Zograf	New species of macrobenthic Thoracostomopsidae (Nematoda: Enoplida) from the deep Northwest Pacific	<i>Far Eastern Federal University, Vladivostok 690091; A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041, Russia</i>
Natalia V. Zhukova, Vladimir I. Kharlamenko	Fatty acid components and trophic relationships in the intertidal and upper tidal community of the shallow-water hydrothermal ecosystem of the Kraternaya Bay (Yankich Island, Kuril Islands)	<i>Far Eastern Federal University, Vladivostok 690950; A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041, Russia</i>
Yuliya I. Fadeeva, Victor Ya. Kavun, Valentina V. Slobodskova, Victor P. Chelomin	Assessment of the effect of nanoparticles on the change in the trace metal composition in organs of the mussel <i>Crenomytilus grayanus</i>	<i>A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041; V.I. Il'ichev Pacific Oceanological Institute FEB RAS, Vladivostok 690041, Russia</i>
Alexander A. Yudakov, Valentin A. Avramenko, Ivan G. Tananaev,	Natural and synthesized sorption materials for oil-water purification	<i>Institute of Chemistry FEB RAS, Vladivostok 690022, Russia</i>

Tatyana V. Ksenik, Valentin I. Sergienko		
Artem Yu. Baranov, Irina R. Levenets	Epibiotic algae on Japanese scallops from natural and cultivated populations in southern Primorye, Sea of Japan	<i>Pacific Research Fisheries Center, Vladivostok 690041; A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041, Russia</i>
Tatiana S. Tarasova, Olga E. Kamenskaya, Alexandra V. Romanova	Benthic foraminifera under conditions of gas-hydrothermal activity in the Deryugin Basin, Sea of Okhotsk	<i>A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok, 690041; P.P. Shirshov Institute of Oceanology RAS, Moscow 117997, Russia</i>
Tina N. Molodtsova, Jim Drewery, Bhavani E. Narayanaswamy, Temir Britayev	Black corals from topographic highs found in the Rockall Trough and the adjacent continental slope	<i>P.P. Shirshov Institute of Oceanology RAS, Moscow 117997; Marine Scotland Science, United Kingdom; Scottish Association for Marine Science, Scottish Marine Institute, Oban, United Kingdom; A.N. Severtsov Institute of Ecology and Evolution RAS, Moscow, Russia</i>
Ivan V. Butov	The intertidal flora of Shikotan Island (southern Kurile Islands) before and after earthquake	<i>A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041, Russia</i>
Vsevolod B. Cherepanov	The effect of ethanol extracts of abyssal marine hydrobionts on Wnt signaling in triple negative breast cancer cell line	<i>A.V. Zhirmunsky Institute of Marine Biology FEBRAS, Vladivostok 690041; Far Eastern Federal University, Vladivostok 690922, Russia</i>
Anatoliy L. Drozdov, Nikolay A. Andreykin, Anatoliy G. Dorofeev	Morphology and chemical composition of silica-organic spicules from sponges	<i>A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041; Far Eastern Federal University, Vladivostok 690922, Russia</i>
Konstantin A. Lutaenko, Irina E. Volvenko	Biogeography of bivalve fauna of Peter the Great Bay (Sea of Japan): a zonal-geographical approach	<i>A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041; Zoological Museum, Far East Federal University, Vladivostok 690000, Russia</i>
Lubov V. Zvereva, Oleg G. Borzykh	Biodiversity of the marine fungi in Russian waters of Sea of Japan	<i>A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Vladivostok 690041, Russia</i>