



PROGRAMME

of the conference

Scientific and Technological Developments of Research and Monitoring of Marine Biological Resources

Vladivostok, Russia, May 22–24, 2017

Venues – Campus of the Far Eastern Federal University, Building B, Middle Hall;
Primorsky Aquarium (NSCMB FEB RAS), Conference Hall



Day 1: May 22, Monday (Far Eastern Federal University)

Registration 8.30 – 9.30

Opening Session

9.30 – 9.40. *Prof. Andrey V. Adrianov*, Co-Chair of the MBR Organizing Committee. Opening speech

9.40 – 9.45. Welcome Speech from the Federal Agency of Scientific Organizations

9.45 – 9.50. Welcome speech from the Far Eastern Federal University

9.50 – 10.00. Collective photo

Session 1 *New technical means in studying marine biological resources, biotechnologies and technologies of biological safety management*

Plenary talks

Chair – Prof. Andrey V. Adrianov (National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University, Russia)

10.00 – 10.30. *Andrey V. Adrianov* (National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University, Russia)

Modern technologies of biological deep-sea research

10.30 – 11.00. *Nagai Satoshi, Urushizaki Shingo, Katakura Seiji* (National Research Institute of Fisheries Science; AXIOHELIX Co. Ltd., Japan)

Application of metagenome analysis to time series monitoring of plankton in the Okhotsk Sea

Coffee break (11.00 – 11.20)

Chair – Dr. Tatiana Yu. Orlova (National Scientific Center of Marine Biology FEB RAS, Russia)

11.20 – 11.35. *Grigory I. Dolgikh* (V.I. Il'ichev Pacific Oceanological Institute FEB RAS, Far Eastern University, Russia)

Optical methods of monitoring dynamics marine biological resources

11.35 – 11.50. *Alexander Yu. Popik, Evgeniy L. Gamayunov, Sergey S. Voznesenskiy, Zhanna V. Markina, Tatyana Yu. Orlova* (Institute of Automation and Control Processes; Far Eastern Federal University; National Scientific Center of Marine Biology FEB RAS, Russia)

Microalga as a natural bio-indicators of aquatic pollutants

11.50 – 12.05. *Sergey S. Golik, Aleksander Yu. Mayor, Dmitriy Yu. Proschenko, Alexey A. Iliyev, Ivan G. Nagorniy, Yuliya S. Biryukova, Michael Yu. Babiy, Vladimir V. Lisitsa, Yuri N. Kulchin* (Far Eastern Federal University; Institute of Automation and Control Processes FEB RAS; G.I. Nevelskoy Maritime State University, Russia)

Development and creation of a remote-controlled underwater laser induced breakdown spectrometer for analysis of the chemical composition of sea water and bottom sediments

12.05 – 13.30. **Lunch**

Session 1 (continued)

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

13.30 – 13.45. *Tatiana Yu. Orlova* (National Scientific Center of Marine Biology FEB RAS, Russia)

Scientific and technological developments of monitoring of HABs and biotoxins on the Russian east coast

13.45 – 14.00. *Maria S. Mokrina, Yulia N. Sokolnikova, Andrey V. Grinchenko, Vadim V. Kumeiko* (Far Eastern Federal University; National Scientific Center of Marine Biology FEB RAS, Russia)

A method of assessing the health of marine bivalves and the state of their habitat

14.00 – 14.15. *Alexander V. Inzartsev, Dmitry G. Lyakhov, Andrey V. Medvedev, A.F. Scherbatyuk, Vyacheslav S. Odintsov* (Institute for Marine Technology Problems FEB RAS; National Scientific Center of Marine Biology FEB RAS, Russia)

On the selection of the configuration of autonomous underwater robots for monitoring marine biological resources

14.15 – 14.30. *Alexander Yu. Popik, Evgeniy L. Gamayunov, Sergey S. Voznesenskiy, Irina V. Postnova* (Institute of Automation and Control Processes FEB RAS; Far Eastern Federal University; Institute of Chemistry FEB RAS, Russia)

The fluorescent bioindicators based on immobilized microalgae for monitoring systems of ecological state of water areas

14.30 – 14.45. *Yulia O. Kipryushina, Mariya A. Maiorova, Raisa V. Golochvastova, Andrey V. Boroda* (National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University, Russia)

Cryobanking biological material of marine mammals: purpose, methods and successes

14.45 – 15.00. *Vyacheslav S. Odintsov, Vladimir G. Chavtur, Sergey I. Kiyashko* (National Scientific Center of Marine Biology FEB RAS, Russia)

Expedition of the National Scientific Center of Marine Biology FEB RAS to the Chukchi Sea

15.00 – 15.20. **Coffee break**

Session 2 *Marine biodiversity and biological resources*

Chair – Dr. Wazir Singh Lakra (ICAR – Central Institute of Fisheries Education, India)

15.20 – 15.35. *Yuri Ya. Latypov* (National Scientific Center of Marine Biology FEB RAS, Russia)

New information about the solitary deep-water corals of the Vietnamese shelf

15.35 – 15.50. *Jin Hee Wi, Young-Jae Lee, Hee Yoon Kang, Chang-Keun Kang* (Gwangju Institute of Science and Technology, Republic of Korea)

Diversity of tanaidaceans in harbors of the South Korea, with three new species of the family Tanaididae Nobili, 1906 (Crustacea: Tanaidacea: Tanaidomorpha)

15.50 – 16.05. *Anton Chichvarkhin, Olga Chichvarkhina* (National Scientific Center of Marine Biology FEB RAS, Russia)

Sea stars of the genus *Henricia* Gray, 1840 (Echinodermata, Asteroidea) from the northwestern Sea of Japan

16.05 – 16.20. *Eduard A. Titlyanov, Tamara V. Titlyanova, Mutsunori Tokeshi* (National Scientific Centre of Marine Biology FEB RAS, Russia; Amakusa Marine Biological Laboratory, Kyushu University, Japan)

Possible role of marine plants in recovery of coral reefs after severe physical disturbances

16.20 – 16.35. *Andrey N. Malyutin* (National Scientific Centre of Marine Biology FEB RAS, Russia)

The main deep sea habitat types of the Far Eastern Seas of Russia

16.35 – 16.50. *Kwang-Sik Choi* (Jeju National University, Republic of Korea)

Population dynamics of a high-latitude coral *Alveopora japonica* Eguchi from Jeju Island, off the southern coast of Korea

16.50 – 17.05. *Tina N. Molodtsova, Sergey V. Galkin, Andrey V. Gebruk, Irina G. Dobretsova* (P.P. Shirshov Institute of Oceanology RAS; Polar Marine Geosurvey Expedition, Russia)

Fauna of soft sediment and inactive hydrothermal sulfide fields in the Russian Exploration Area on the Mid-Atlantic Ridge

17.30. Bus departs from FEFU Campus to Primorsky Aquarium

18.00 – 20.00. **Ice-breaking party in Primorsky Aquarium**

Day 2: May 23, Tuesday (Far Eastern Federal University)

Session 3 *Molecular and genetic methods of control of sustainability of populations of biological resource species*

Plenary talks

Chair – **Dr. Evgeniy S. Balakirev** (National Scientific Center of Marine Biology FEB RAS, Russia)

9.30 – 10.00. Maria Anisimova (Zurich University of Applied Sciences; Swiss Institute for Bioinformatics, Switzerland)

Phylogenetic methods for detecting natural selection in genomic sequences

10.00 – 10.30. Wazir Singh Lakra (ICAR – Central Institute of Fisheries Education, India)

Marine biological resources of India: conservation and management

Chair – **Dr. Yuri Kartavtsev** (National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University, Russia)

10.30 – 10.55. Evgeniy S. Balakirev (National Scientific Center of Marine Biology FEB RAS, Russia)

Evolutionary genetics in biodiversity conservation and monitoring

10.55 – 11.10. Yuri F. Kartavtsev (National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University, Russia)

Biodiversity learning and use: DNA barcoding as a tool for progress at regional (Rus-BOL) and global (iBOL) levels

11.10 – 11.30 Coffee break

11.30 – 11.45. Anna O. Zolotova, Yuri Ph. Kartavtsev (National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University, Russia)

Sequence divergence in the genus *Tribolodon* (Cypriniformes, Cyprinidae) based on mtDNA and nDNA markers and its applications to the systematics and genetics of speciation of redbfin

11.45 – 12.00. Sergei V. Turanov, Yuri F. Kartavtsev, Maksim E. Shapovalov (National Scientific Center of Marine Biology FEB RAS; Far Eastern State Technical Fisheries University; Pacific Research Fisheries Centre (TINRO-Centre), Russia)

DNA barcoding and species diversity of fishes from the Lake Khanka

12.00 – 12.15. Daria N. Kamenskaya, Marina V. Pankova, Dmitry M. Atopkin, Vladimir A. Brykov (National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University; Federal Scientific Center of the East Asia Terrestrial Biodiversity FEB RAS, Russia)

Isolation and characterization char's growth hormone genes and their application in biotechnology

12.15 – 12.30. Alexey Y. Anikaev (SkyGen LLC, Russia)

Unique solution for NGS sequencing laboratory from SkyGen: from target enrichment to library preparation and data acquisition

12.30 – 13.30. Lunch

Session 4 *Biochemistry of marine organisms*

Plenary talk

Chair – **Dr. Andrey B. Imbs** (National Scientific Center of Marine Biology FEB RAS, Russia)

13.30 – 14.00. Mikhail V. Vyssotski, Kirill A. Lagutin, Dawn Scott, Andrew D. MacKenzie, Andrey B. Imbs, Vasily I. Svetashev (Callaghan Innovation, New Zealand; National Scientific Center of Marine Biology FEB RAS, Russia)

Marine organisms – a treasure trove of novel, valuable, and uncommon lipids

14.00 – 14.15. Andrey B. Imbs (National Scientific Center of Marine Biology FEB RAS, Russia)
Lipid molecular species and lipidom analysis as a new approach in the study of trophic and symbiotic relationships of marine invertebrates

14.15 – 14.30. Vasily Yu. Tsygankov (Far Eastern Federal University, Russia)
The monitoring technology of organochlorine contamination in marine ecosystems

14.30 – 14.45. Natalya V. Ageenko, Konstantin V. Kiselev, Nelly A. Odintsova (National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University, Russia)
The biosynthesis of pharmacologically important quinone pigments in sea urchin cell culture

14.45 – 15.00. Ekaterina P. Karaulova, Anna I. Chepkasova, Tatiana N. Shutskaya (Pacific Research Fisheries Centre, Russia)
Antioxidant activity and hepatoprotective potential of shellfish protein hydrolysates

15.00 – 15.15. Vladimir G. Sprygin (V.I. Il'ichev Pacific Oceanological Institute FEB RAS, Russia)
Antioxidant and hepatoprotective potential of the polyphenol enriched extract from *Sargassum pallidum*, brown algae, against CCl₄ induced liver damage in rats

15.15 – 15.30. Vladimir I. Kharlamenko (National Scientific Center of Marine Biology FEB RAS, Russia)
The analysis of trophic relationships in bottom ecosystems of the Far Eastern seas using marker fatty acids

15.30 – 16.00. Coffee break

Session 5 Marine pharmacology

Chair – Dr. Kirill S. Golokhvast (Far Eastern Federal University, Russia)

16.00 – 16.15. Irina A. Ishina, Roza V. Usoltseva, Natalia M. Shevchenko, Svetlana P. Ermakova (G.B. Elyakov Pacific Institute of Bioorganic Chemistry FEB RAS; Far Eastern Federal University, Russia)
Water-soluble polysaccharides from brown algae *Desmarestia viridis*, *Dictyota divaricata*, *Dictyota dichotoma* and *Padina boryana*

16.15 – 16.30. Alexandra L. Danilova, Lidiya V. Shulgina, Alexandr A. Rybchenko, Gennadiy A. Shabanov, Nikolay A. Latyshev, Sergey P. Kasyanov (Far Eastern Federal University; Scientific Research Center “Arctica” FEB RAS; National Scientific Center of Marine Biology FEB RAS, Russia)
Influence of plasmalogens (1-o-alkyl-glycerols) on the body of elderly people

16.30 – 16.45. Svetlana I. Ivannikova, Olesya S. Malyarenko, Roza V. Usoltseva, Natalia M. Shevchenko, Svetlana P. Ermakova (Far Eastern Federal University; G.B. Elyakov Pacific Institute of Bioorganic Chemistry FEB RAS, Russia)
Laminarans of brown algae and their sulfated derivatives: isolation, structure, and biological activity

16.45 – 17.00. Daria I. Melnikova, Irina A. Beleneva, Timur Yu. Magarlamov (Far Eastern Federal University; National Scientific Center of Marine Biology FEB RAS, Russia)
Search for new bacterial producers of tetrodotoxin (perspective analgesic agent) for pharmaceutical industry

17.00 – 17.15. Anatoliy L. Drozdov, Alexandr A. Artyukov, Yury N. Elkin (National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University; G.B. Elyakov Pacific Institute of Bioorganic Chemistry FEB RAS, Russia)
Naphthaquinoid pigments in clypester sand dollars

17.15 – 17.30. Aristides Tsatsakis, A.M. Zakharenko, V.V. Chayka, K.S. Pikula, Kirill S. Golokhvast (University of Crete, Greece; Far Eastern Federal University, Russia)
Carbon nanomaterials as a new hazard for marine organisms

17.30 – 17.45. Anastasia D. Roshchina, Lidia V. Shulgina (Far Eastern Federal University; Pacific Scientific Research Fisheries Centre, Russia)

New products are sources of amino acids for the formation of collagen

Session 6 (Poster session)

Posters are on display throughout the day in the conference room

List of posters is attached

18.30 – 21.00. Reception in the Far Eastern Federal University

Day 3: May 24, Wednesday (Primorsky Aquarium)

Session 7 *Perspectives of development of the National Scientific Center of Marine Biology as a part of Asia-Pacific marine science community*

Chair – *Dr. Konstantin A. Lutaenko* (National Scientific Center of Marine Biology FEB RAS, Russia)

9.30 – 10.00. *Andrey V. Adrianov* (National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University, Russia)

National Scientific Center of Marine Biology – new approaches for research and conservation of marine biodiversity

10.00 – 10.30. *Konstantin A. Lutaenko* (National Scientific Center of Marine Biology FEB RAS, Russia)

National Scientific Center of Marine Biology and new opportunities for international cooperation in marine biology: past and future

10.30 – 12.30. Excursion to Primorsky Aquarium

12.30 – 13.00. **Coffee break**

14.00 – 18.00. City tour for foreign and non-resident participants

Session 8 *Training course*

Chief Lecturer – *Prof. Nagai Satoshi* (National Research Institute of Fisheries Science, Japan)

13.00 – 17.00. Lecture and demonstration “Simple, accurate and easy molecular diagnostic techniques of HAB” for young scientists (venue – Primorsky Aquarium)

List of posters

Authors	Title	Affiliation
<i>Mariya O. Chalienko, Eugene E. Borisovets, Pavel A. Fedotov</i>	Current state of <i>Strongylocentrotus pallidus</i> resources in the western Bering sea	Pacific Scientific Research Fisheries Center (TINRO-Center); Far Eastern Federal University, Russia
<i>Delik D. Gabaev</i>	An aquaculture safe for other inhabitants of sea	National Scientific Center of Marine Biology FEB RAS, Russia
<i>Tatyana V. Bosh</i>	Contribution of symbiotic dinoflagellate (zooxanthellae) in lipid and fatty acid compositions of the soft coral <i>Capnella</i> sp.	National Scientific Center of Marine Biology FEB RAS, Russia
<i>Vitaly K. Fischenko, Alexey E. Subote, Petr S. Zimin, Anna A. Goncharova</i>	The use of stationary underwater video surveillance systems for the evaluation of life indicators barnacle	V.I. Il'ichev Pacific Oceanological Institute FEB RAS, Russia
<i>Vladislav A. Goy, Vladimir V. Kostenko, Denis N. Mikhailov, Anton Yu. Tolstonogov</i>	The autonomous underwater robotic complex for marine bio-resources monitoring	Institute of Marine Technology Problems FEB RAS, Russia
<i>Ekaterina S. Ukolova</i>	The usage of marine organisms for ecological monitoring of the Kozmino Bay influenced by Transneft Kozmino Port, LLC	Transneft Kozmino Port, LLC, Russia
<i>Haekyun Yoo, Kie-Young Park</i>	Growth and energy budget of the red king crab, <i>Paralithodes camtschaticus</i> larvae	East Sea Fisheries Research Institute, National Institute of Fisheries Science; Gangneung–Wonju National Universtiy, Republic of Korea
<i>Dmitry A. Sokolenko, Roman V. Vlasenko</i>	GIS employment in investigation of Pacific oyster beds in the northern part of Amursky Bay (Sea of Japan)	Pacific Scientific Research Fisheries Center (TINRO-Center), Russia
<i>Sergey V. Galkin, Georgiy M. Vinogradov, Konstantin R. Tabachnik, Elena I. Rybakova, Alexandr Y. Konoplin, Viktor V. Ivin</i>	Distribution of benthic fauna on the Vulkanologov Massif – Komandor Basin slope: investigations with ROV “Comanche 18”	P.P. Shirshov Institute of Oceanology RAS; National Scientific Center of Marine Biology FEB RAS, Russia
<i>Alla V. Silina</i>	Monitoring of community of the Japanese scallop with its shell endobionts at the northwestern coasts of the Sea of Japan	National Scientific Center of Marine Biology FEB RAS, Russia
<i>Irina M. Yakovleva, Anna V. Skriptsova</i>	Application of chlorophyll fluorescence technique for monitoring of oil pollution impact on macrofitobenthos in shallow coastal areas	National Scientific Center of Marine Biology FEB RAS, Russia
<i>Anton A. Zinov, Inna V. Stonik</i>	The qualitative and quantitative composition of autumn phytoplankton in Peter the Great Bay, the north-western Sea of Japan during 2012–2015	National Scientific Center of Marine Biology FEB RAS; Far Eastern State Technical Fisheries University, Russia

<i>Jin Hee Wi, Young-Jae Lee, Hee Yoon Kang, Chang-Keun Kang</i>	New record of the genus <i>Hexapleomera</i> Dudich, 1931 (Crustacea: Tanaidacea: Tanaididae) from the South Korea, based on morphological and molecular evidence	School of Earth Sciences and Environmental Engineering, Gwangju Institute of Science and Technology, Republic of Korea
<i>Jin Hee Wi, Young-jae Lee, Hee Yoon Kang, Chang-Keun Kang</i>	A new genus and species of sphyrapodid tanaidaceans (Crustacea: Peracarida) from the southern coast of the South Korea	School of Earth Sciences and Environmental Engineering, Gwangju Institute of Science and Technology, Republic of Korea
<i>Ekaterina V. Ermolenko, Nikolay A. Latyshev, Sergey P. Kasyanov, Ruslan M. Sultanov</i>	Inclusion of 1-O-alkyl-sn-glycerol and docosahexaenoic acid in rat liver lipids	National Scientific Center of Marine Biology FEB RAS, Russia
<i>Zhanna V. Markina, Alexander Yu. Popik, Miroslava A. Sabutskaya</i>	Cells number dynamic and photosynthetic apparatus function under copper pollution	National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University; Institute of Automation and Control Processes, FEB RAS, Russia
<i>Viktoria A. Matveeva, Lidia V. Shulgina</i>	Preservation method of quality of sea urchin roe during storage	Far Eastern Federal University; Pacific Scientific Research Fisheries Centre, Russia
<i>Aleksei V. Chernyshev, Neonila E. Polyakova</i>	Deep-sea nemerteans of the VEMA-Transit expedition	National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University, Russia
<i>Elena I. Rybakova, Antonina Kremenetskaia, Andrey A. Vedenin, Antje Boetius, Andrey V. Gebruk</i>	Megabenthic communities in deep-sea Central Arctic	P.P. Shirshov Institute of Oceanology FEB RAS, Russia; Alfred Wegener Institute for Polar and Marine Research, Germany; Max Planck Institute for Marine Microbiology, Germany
<i>Natalia V. Zhukova</i>	Lipids and fatty Acids of nudibranch mollusks: potential sources of bioactive compounds	National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University, Russia
<i>Yaroslav O. Kamenev, Marina G. Eliseikina, Sergey I. Maslennikov, Igor Yu. Dolmatov</i>	Electron microscopy analysis of embryonal and larval development of <i>Mizuhopecten yessoensis</i> (Bivalvia, Pectinidae)	National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University, Russia
<i>Vladimir I. Kharlamenko, Tatiana S. Tarasova</i>	Fatty acids of deep-sea Foraminifera	National Scientific Center of Marine Biology FEB RAS, Russia
<i>Kseniya V. Efimova, Vladimir A. Brykov, Andrey D. Kukhlevskiy</i>	Genetic analysis of gray whales during 2012-2015 near of Sakhalin Island	National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University, Russia
<i>Sergey V. Galkin, Georgy M. Vinogradov, Konstantin R. Tabachnik, Alexander Y. Konoplin, Victor V. Ivin</i>	Biological investigations of the Piip Volcano with ROV “Comanche 18”	P.P. Shirshov Institute of Oceanology RAS; National Scientific Center of Marine Biology FEB RAS, Russia
<i>Lubov V. Zvereva, Oleg G. Borzykh</i>	Comparison of fungal complexes of Japanese scallop <i>Mizuhopecten yessoensis</i> from different areas in the Peter the Great Bay of the Sea of Japan	National Scientific Center of Marine Biology FEB RAS, Russia

<i>Anna A. Anisimova, Irina A. Kirsanova</i>	Polyploid cells in haemolymph of scallops <i>Swiftopecten swifti</i> (Bernardi, 1858) in the Vostok Bay of the Sea of Japan (Russia)	Far Eastern Federal University, Russia
<i>Alexander V. Kalachev, Olga V. Yurchenko, Vladimir G. Osten</i>	Phenotypic plasticity during larval development of sea urchin, <i>Strongylocentrotus intermedius</i>	National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University, Russia
<i>Ruslan M. Sultanov, Ekaterina V. Ermolenko, Nikolay A. Latyshev, Sergey P. Kasyanov, Yuliya K. Denisenko</i>	Alkyl glycerol ethers affect lipid metabolism and hematological parameters of blood in old-aged rats	National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University; Vladivostok Branch of Far Eastern Scientific Center of Physiology and Pathology of Respiration – Research Institute of Medical Climatology and Rehabilitation Treatment, Russia
<i>Ilya A. Shcherbakov, Nataliya P. Fadeeva, Pavel A. Kireyev</i>	The structure and distribution of marine benthic communities in relation to body size in the northeastern Sakhalin shelf in the Piltun and Chayvo Area (the Sea of Okhotsk)	National Scientific Center of Marine Biology FEB RAS; Far Eastern Federal University, Russia
<i>Yulia A. Trebukhova, Olga N. Pavlyuk, Yulia K. Zograf, Nguyen Dinh Tu, Nguyen Thi Xuan Phuong</i>	Seasonal changes in meiofauna communities in Tien Yen Estuary (South China Sea, Vietnam)	National Scientific Center of Marine Biology FEB RAS; Institute of Ecology and Biological Resources, Vietnam Academy of Science and Technology, Vietnam
<i>Konstantin A. Lutaenko, Irina E. Volvenko</i>	Estimates of species richness of bivalve mollusks in various parts of the Sea of Japan	National Scientific Center of Marine Biology FEB RAS; Science and Educational Museum, Zoological Museum, Far Eastern Federal University, Russia
<i>Tatyana S. Tarasova, Sergey V. Galkin, Tatyana G. Lukina, Olga E. Kamenskaya, Alexandra V. Romanova</i>	First data on foraminiferans from colonies of the bivalve <i>Calyptogena pacifica</i> (family Vesicomidae) on the Piip submarine volcano (Bering Sea)	National Scientific Center of Marine Biology FEB RAS; P.P. Shirshov Institute of Oceanology RAS; Zoological Institute RAS; Far East Geological Institute FEB RAS, Russia
<i>Olga G. Shevchenko, Anna A. Ponomareva</i>	Bloom-forming phytoplankton species new for the marine Russian waters	National Scientific Center of Marine Biology FEB RAS, Russia
<i>Andrey N. Pavlov, Oleg G. Konstantinov</i>	Complex monitoring of the state of sea water basins by optical methods	The Institute of Automation and Control Processes FEB RAS; Far East Federal University; V.I. Il'ichev Pacific Oceanological Institute FEB RAS, Russia
<i>Tina N. Molodtsova, Sergey V. Galkin, Andrey V. Gebruk, Irina G. Dobretsova</i>	Fauna of soft sediment and inactive hydrothermal sulfide fields in the Russian Exploration Area on the Mid-Atlantic Ridge	P.P. Shirshov Institute of Oceanology RAS; Polar Marine Geosurvey Expedition, Russia
<i>Ly Thi Phuong Dang, Andrey B. Imbs, Pham Quoc Long</i>	Comparison of polar lipidoms of the soft corals from tropical and cold-water regions	Institute of Natural Product Chemistry, Vietnam Academy of Science and Technology, Vietnam; National Scientific Center of Marine Biology FEB RAS, Russia

<i>Marina M. Basova</i>	Leukocyte formula of scorpion fish (<i>Scorpaena porcus</i> L.) as a biomarker of antropogenic pollution in the Black Sea coastal waters	A.O. Kovalevsky Institute of Marine Biological Researches RAS, Russia
<i>Elena E. Kostina, Irina N. Gladkikh, Aleksandra N. Kvetkina</i>	Sea anemones and biological activities of their extracts (the insular shelf and slope of the Kurile and Commander Islands)	National Scientific Center of Marine Biology FEB RAS; G.B. Elyakov Pacific Institute of Bioorganic Chemistry FEB RAS, Russia