



Conference Programme

The Seventh Vereshchagin Baikal Conference, 7 - 13 September 2020

<http://www.lin.irk.ru/7vbc/en/>



Please note that the Programme shows Moscow broadcast time!

Invitation links (ZOOM):

Plenary session, Opening of the Conference and Summing up of the results

<https://us02web.zoom.us/j/84829185880?pwd=aEFobFlhNWZ5b1BpUDFib0Rxak92dz09>

ID: 848 2918 5880

Code: 585694

Session 1. Current global changes in the aquatic ecosystems, and methods for monitoring of the aquatic environment (7, 8 September, 2020)

<https://us02web.zoom.us/j/83390744793?pwd=alprS3dBMzk3K3oxMkNPdTJPR2NmQT09>

ID: 833 9074 4793

Code: 016146

Session 2. Biodiversity of large freshwater bodies: molecular and conventional approaches and models (7, 8 September, 2020)

<https://us02web.zoom.us/j/89498359404?pwd=MXRrhM29NbEVGWV4RHBSOTZpdUVBZz09>

ID: 894 9835 9404

Code: 352340

Session 3. Aquatic organisms: aspects of genomics, physiology, and biochemistry (7, 9 September, 2020)

<https://us02web.zoom.us/j/85124082801?pwd=YW93b0VYMEhEcZl2MFVtRHZjZjh2dz09>

ID: 851 2408 2801

Code: 397897

Session 4. The cycle of organic matter and nutrients (8, 9 September, 2020)

<https://us02web.zoom.us/j/88953794111?pwd=TElqdzJsNIY4WXY5TTVIQjBIRktqUT09>

ID: 889 5379 4111

Code: 812038

Session 5. Hydrological and hydrophysical processes and their effect on the state of the aquatic environments (9 September, 2020)

<https://us02web.zoom.us/j/83577956011?pwd=aXEyUnZsemo0N1RUamN0bElqa1RGdz09>

ID: 835 7795 6011

Code: 406866

The Fifth Baikal Symposium on Microbiology "Microorganisms and Viruses in Water Ecosystems" (10, 11 September, 2020)

<https://us02web.zoom.us/j/89196197535?pwd=dnRmaDdwelZTbDlprYVlwalVIQT09>

ID: 891 9619 7535

Code: 587824

Poster session (10-13 September, 2020)

<http://www.lin.irk.ru/7vbc/en/poster-section>

USERNAME: poster

PASSWORD: vbc2020

7 September, 2020

Time (Moscow)	Name	Affiliation	Presentation
09-00 – 09-10	Opening of the Conference (Fedotov Andrey Petrovich, <i>Limnological Institute SB RAS, Irkutsk, Russia</i>)		
09-10 – 09-30	Kvon Dmitry Arkadieovich	<i>Helikon Company, Moscow, Russia</i>	Modern approaches to genomic analysis: from sample to annotation
09-30 – 09-50	Sitnikova Tatyana Yakovlevna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Fauna of Lake Baikal methane seeps - 10 years of research
09-50 – 10-10	Sokolova Inna Mikhailovna	<i>University of Rostock, Rostock, Germany</i>	Bioenergetic approaches to assess the integrated effects of multiple stressors in aquatic organisms
10-10 – 10-30	Solovyev Andrey Ivanovich	<i>N.F. Gamaleya Scientific Research Institute of Epidemiology and Microbiology, Moscow, Russia</i>	Natural <i>Pseudomonas</i> metabolites inhibiting the pathogen <i>P. Aeruginosa</i>
10-30 – 10-50	Kirillov Vladimir Viktorovich	<i>Institute for Water and Environmental Problems, SB RAS, Barnaul, Russia</i>	Ecosystem features and environmental problems of Lake Teletskoye (Republic of Altai)
10-50 – 11-10	Churilova Tatiana Yakovlevna	<i>O.A. Kovalevski Institute of Biology of the Southern Seas RAS, Sevastopol, Russia</i>	Spectral bio-optical properties of Lake Baikal (July 2018 and September 2019)
10-50 – 11-10	Zarubina Evgeniya Yurievna	<i>Institute for Water and Environmental Problems SB RAS, Barnaul, Russia</i>	Features of the formation of primary production in small lakes of various natural zones in the south of Western Siberia

Oral sessions

Time (Moscow)	Session 1. Current global changes in the aquatic ecosystems, and methods for monitoring of the aquatic environment	Session 2. Biodiversity of large freshwater bodies: molecular and conventional approaches and models	Session 3. Aquatic organisms: aspects of genomics, physiology, and biochemistry
12-00 – 12-15	Chernogor Lyubov Ivanovna <i>Limnological Institute SB RAS, Irkutsk, Russia</i> Study of changes in microbiomes of sponges <i>Lubomirskia baicalensis</i> using the cell culture of primmorphs	Smirnov Vasilii Vasilevich <i>Baikal Museum of the Irkutsk Scientific Center RAS, Listvyanka, Russia</i> Baikal omul: rhythms and catastrophes	Morozov Alexei Anatolevich <i>Limnological Institute SB RAS, Irkutsk, Russia</i> Intragenic duplications in diatom algae: evolution and expression
12-15 – 12-30	Kulikova Natalia Nikolaevna <i>Limnological Institute SB RAS, Irkutsk, Russia</i> Impact of the coastal taiga fires onto chemical elemental composition of soils, grounds and near-shore waters of Bol'shoy Ushkaniy Island (Lake Baikal, Siberia)	Naumova Elena Yuryevna <i>Limnological Institute SB RAS, Irkutsk, Russia</i> Changes in the composition of the spring zooplankton of Lake Baikal	Kirilchik Sergey Vasilievich <i>Limnological Institute SB RAS, Irkutsk, Russia</i> eDNA and aDNA of Lake Baikal: degradation rate, size and prospects of use
12-30 – 12-45	Goncharov Alexander Valentinovich <i>Lomonosov Moscow State University, Moscow, Russia</i>	Afonina Ekaterina Yuryevna <i>Institute of Natural Resources, Ecology and Cryology SB RAS, Chita, Russia</i>	Butina Tatyana Vladimirovna <i>Limnological Institute SB RAS, Irkutsk, Russia</i>

	The hydrometeorological conditions of phytoplankton growth in the water reservoirs of the Moscow Canal	Long-term data on plankton communities in Torey lakes, a shallow saline lakes, Transbaikalia, Russia	Metagenomic analysis of viral communities in Baikal sponges
12-45 – 13-00	Dobrinets Ivan Mikhailovich <i>Irkutsk State University, Irkutsk, Russia</i> Metatechnology of designing a hierarchical modifiable- intersecting database for remote control of bioecological parameters	Yermolaeva Nadezhda Ivanovna <i>Institute for Water and Environmental Problems SB RAS, Novosibirsk, Russia</i> The modern state of zooplankton in Altai high mountain lakes	Yakhnenko Alyona Sergeevna <i>Limnological Institute SB RAS, Irkutsk, Russia</i> New approaches to the development of microsatellite markers in the study of Baikal sponges
13-00 – 13-15	Hambaryan Lusine Rafael <i>Institute Hydroecology and Ichthyology NAN RA, Yerevan, Armenia</i> Changes in the horizontal development of phytoplankton of the littoral of Lake Sevan (Armenia), in water level increase conditions	Dmitrieva Olga Aleksandrovna <i>Atlantic branch of the Russian Federal Research Institute of Fisheries and Oceanography “VNIRO”, Kaliningrad, Russia</i> Biological diversity of plankton communities in the south- east of the Baltic Sea	Anikienko Inna Victorovna <i>Irkutsk State Agrarian University named after A.A.Ezhevsky, Irkutsk, Russia</i> The middle ear of Baikal seal (<i>Pusa sibirica</i> Gmelin, 1788)
13-15 – 13-30	Dmitrik Leonid Yuryevich <i>Southern Federal University, Rostov-on-Don, Russia</i> The formation of the physical and chemical condition along the continuum «land waters – Azov Sea» in the context of iron geochemistry studies	Penkova Olga Geronimovna <i>Irkutsk State University, Irkutsk, Russia</i> Long-term dynamics of the zooplankton community in the southern part of the Maloye More Strait (Lake Baikal)	Lubyaga Julia Andreevna <i>Irkutsk State University, Institute of Biology, Irkutsk, Russia</i> Transcriptome-based analysis of the diversity of membrane-bound lectins in Baikal amphipods <i>Eulimnogammarus</i> sp. and the Holarctic amphipod <i>Gammarus lacustris</i>
13-30 – 13-45	Taraskin Vasilii Vasilievich <i>Baikal Institute of Nature Management SB RAS, Ulan-Ude, Russia</i> New data reporting phthalates in delta of the Selenga River as the main tributary of Lake Baikal	Vyalkova Anastasia Ivanovna <i>Siberian Federal University, Krasnoyarsk, Russia</i> Morphological and biological characteristic as an indicator of population of the Siberian roach (<i>Rutilus rutilus lacustris</i>) from the Chulym river in the conditions of food competition with invasive species	

8 September, 2020

Plenary session

Time (Moscow)	Name	Affiliation	Presentation
09-00 – 09-20	Frolov Ilya Stanislavovich	<i>Helikon Company, Moscow, Russia</i>	Implementation of the multi-mix approach in the analytical laboratory
09-20 – 09-40	Sideleva Valentina Grigorievna	<i>Zoological Institute RAS, St. Petersburg, Russia</i>	Resource fishes of Lake Baikal what we lost during 200 years of their use
09-40 – 10-00	Khudoleeva Olga Aleksandrovna	<i>Helikon Company, Moscow, Russia</i>	Flow cytometry in phytoplankton research
10-00 – 10-20	Itskovich Valeria Borisovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Analyses of the genome and transcriptomes of endemic Baikal sponges (Lubomirskiidae)
10-20 – 10-40	Ryadinskaya Nina Ilyinichna	<i>Irkutsk State Agrarian University named after A.A. Ezhevsky, Irkutsk, Russia</i>	The structure and blood supply to the Baikal seal's organ of hearing
10-40 – 11-00	Meglinski Igor Vladislavovich	<i>Aston University, Birmingham, United Kingdom</i>	Perspectives of Orbital Angular Momentum of Light in Functional Diagnosis of Water and Water Organisms
11-00 – 11-20	Tanaka Yuji	<i>Department of Ocean Sciences, Tokyo University of Marine Science and Technology, Tokyo, Japan</i>	Phenomena of sudden changes of water temperature in the coastal waters: comparison of upwelling events of Lake Baikal and Japanese lakes and coastal oceans

Oral sessions

Time (Moscow)	Session 1. Current global changes in the aquatic ecosystems, and methods for monitoring of the aquatic environment	Session 2. Biodiversity of large freshwater bodies: molecular and conventional approaches and models	Session 4. The cycle of organic matter and nutrients
12-00 – 12-15	Sukhanova Lyubov Vasilievna <i>Limnological Institute SB RAS, Irkutsk, Russia</i> Impact of Pleistocene on whitefish evolution - Lake Baikal as a case study	Maikova Olga Olegovna <i>Limnological Institute SB RAS, Irkutsk, Russia</i> Vertical distribution of Baikal endemic sponges (Fam. Lubomirskiidae)	Zhuchenko Natalia Albertovna <i>Limnological Institute SB RAS, Irkutsk, Russia</i> Environmental and geochemical characteristics of sod podburs near the Bolshiye Koty settlement (Lake Baikal)
12-15 – 12-30	Tereshina Maria Alekseevna <i>Lomonosov Moscow State University, Moscow, Russia</i> Dissolved and particulate nutrient transport in the Cheboksary Reservoir	Mincheva Elena Vyacheslavovna <i>Limnological Institute SB RAS, Irkutsk, Russia</i> The composition of the communities of green algae and microeukaryotes at the sites of Lake Baikal contrasting in anthropogenic pressure	Tomberg Irina Victorovna <i>Limnological Institute SB RAS, Irkutsk, Russia</i> Dynamics of nutrient concentrations and eutrophication of the waters in Barguzin Bay (Lake Baikal)
12-30 – 12-45	Shiretorova Valentina Germanovna <i>Baikal Institute of Nature Management SB RAS, Ulan-Ude, Russia</i> Assessment of heavy metals distribution in Barguzin River aquatic system (Lake Baikal basin)	Nikulina Julia Sergeevna <i>National Research Tomsk State University, Tomsk, Russia</i> Genetic differentiation of Least Cisco (g. Coregonus) of Siberia reservoirs	Eletskaya Elena Vladimirovna <i>Limnological Institute SB RAS, Irkutsk, Russia</i> The concentration of mineral and total phosphorus in the coastal water of southeast coast of Lake Baikal

12-45 – 13-00	Sokolov Dmitry Igorevich <i>Lomonosov Moscow State University, Moscow, Russia</i> Choosing the optimal frequency of water quality monitoring on tributaries of a lowland reservoir	Kovalenko Vasily Nikolaevich <i>Northern Water Problems Institute of the Karelian Research Centre RAS, Petrozavodsk, Russia</i> Fishery characteristics of burbot - <i>Lota lota</i> (L.) of Lake Ladoga (Karelian part) at the present stage	Zayakhanov Alexander Savelievich <i>Institute of Physical Materials Science SB RAS, Ulan-Ude, Russia</i> Results of a comparative study of dry ozone deposition fluxes on grasslands and forest vegetation near Lake Baikal
13-00 – 13-15	Semenova Anna Sergeevna <i>Atlantic branch of the Russian Federal Research Institute of Fisheries and Oceanography “VNIRO”, Kaliningrad, Russia</i> Influence of “blooming” of Cyanobacteria in the Curonian lagoon on plankton test organisms	Zhikharev Vyacheslav Sergeevich <i>National research Lobachevsky State University of Nizhny Novgorod, Nizhny Novgorod, Russia</i> Day-night differences in crustacean zooplankton in Lake Glubokoe and Mozhaysk Reservoir (European Russia)	Velyamidova Anna Vladislavovna <i>N. Laverov Federal Center for Integrated Arctic Research UB RAS, Arkhangelsk, Russia</i> Organochlorine compounds in sediment core of subarctic small lake
13-15 – 13-30	Dmitrieva Olga Aleksandrovna <i>Atlantic branch of the Russian Federal Research Institute of Fisheries and Oceanography “VNIRO”, Kaliningrad, Russia</i> The results of integrated monitoring of the Pravdinsk reservoir (Kaliningrad region)	Prozorova Larisa Arkadyevna <i>Federal Scientific Center of the East Asia Terrestrial Biodiversity FEB RAS, Vladivostok, Russia</i> Concentrations of arsenic in freshwater, estuarine and mangrove clams from the Mekong and Red R. deltas	Dementeva Ayuna Lubsanovna <i>Institute of Physical Materials Science SB RAS, Ulan-Ude, Russia</i> Experimental measurements of the aerosol optical depth of atmosphere on the southeast coast of Lake Baikal
13-30 – 13-45	Nikonova Alyona Aleksandrovna <i>Limnological Institute SB RAS, Irkutsk, Russia</i> Fatty acid composition as one of markers of state and functioning of branching Baikal sponge	Nikiforova Anna Platonovna <i>East Siberia State University of Technology and Management, Ulan-Ude, Russia</i> The use of fermentation for rational processing of fish: a review	Zhamsueva Galina Sanzhievna <i>Institute of Physical Materials Science SB RAS, Ulan-Ude, Russia</i> Spatio-temporal variability of atmospheric impurities over Lake Baikal during the expeditions to the SRV “V.A. Koptuyug” in 2019
13-45 – 14-00	Olga Ismena Kacprzak <i>University of Warmia and Mazury, Olsztyn, Poland</i> Ecological Health Assessment of the Multitrophic River-Lake System - Recommendations for Effective Lake Management		Iakovlev Dmitry Valerievich <i>A.P. Karpinsky Russian geological research institute (VSEGEI), St. Petersburg, Russia</i> Hydrogen-carbon dioxide anomaly within the boundaries of the «Holy Nose» ring ice structure formation (Svyatoy Nos Peninsula)
14-00 – 14-15	Seuront Laurent Jean Jules <i>French National Centre for Scientific Research, Wimereux, France</i> Small-scale biophysical couplings in the Lake Baikal: new insights from the fractal properties of temperature and phytoplankton distributions		Pestunov Dmitry Aleksandrovich <i>V.E. Zuev Institute of Atmospheric Optics SB RAS, Tomsk, Russia</i> Dissolved carbon dioxide and methane in the littoral areas of Lake Baikal

9 September, 2020

Time (Moscow)	Name	Affiliation	Presentation
09-00 – 09-20	Khodzher Tamara Viktorovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Long-term studies of Baikal organisms habitat
09-20 – 09-40	Koroleva Irina Mikhailovna	<i>Institute of the North Industrial Ecology Problems, Kola Science Centre RAS, Apatity, Russia</i>	Ichthyofauna biodiversity of freshwater lakes in the Murmansk Region
09-40 – 10-00	Koroleva Anastasia Gennadievna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Telomere biology of Baikal hydrobionts
10-00 – 10-20	Zyryanov Valery Nikolaevich	<i>Water Problems Institute RAS, Moscow, Russia</i>	Baikal ice rings: a new hydrodynamic approach
10-20 – 10-40	Nikonova Alyona Aleksandrovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Organic synthetic anionic surfactants as persistent organic pollutants of water ecosystems
10-40 – 11-00	Zamana Leonid Vasilyevich	<i>Institute of Natural Resources, Ecology and Cryology SB RAS, Chita, Russia</i>	Dynamics of the water surface of the Eravno-Khorginsky system (Western Transbaikalia) in 1990-2020 according to remote sensing data
11-00 – 11-20	Panchenko Michael Vasilevich	<i>V.E. Zuev Institute of Atmospheric Optics SB RAS, Tomsk, Russia</i>	Reconstruction of the diurnal behavior of the concentration of chlorophyll in the surface and bottom water of the coastal zone of Lake Baikal on the basis of empirical calibration of fluorescence characteristics

Oral sessions

Time (Moscow)	Session 3. Aquatic organisms: aspects of genomics, physiology, and biochemistry	Session 4. The cycle of organic matter and nutrients	Session 5. Hydrological and hydrophysical processes and their effect on the state of the aquatic environments
12-00 – 12-15	Glyzina Olga Yuryevna <i>Limnological Institute SB RAS, Irkutsk, Russia</i> Functioning of the <i>Lubomirskia baicalensis</i> symbiotic community under the conditions of a model experiment	Khodzher Tamara Viktorovna <i>Limnological Institute SB RAS, Irkutsk, Russia</i> The atmosphere above the water area of Lake Baikal during wildfires in the summer of 2019	Aslamov Ilya Aleksandrovich <i>Limnological Institute SB RAS, Irkutsk, Russia</i> More intensive ice melting and turbulent exchange under the ice in the areas of the jet-like currents on Lake Baikal
12-15 – 12-30	Romanova Elena Vladimirovna <i>Limnological Institute SB RAS, Irkutsk, Russia</i> Detection of the extra tRNA genes in mitochondrial genomes of amphipods using lineage-specific models	Sorokovikova Larisa Mikhailovna <i>Limnological Institute SB RAS, Irkutsk, Russia</i> Dynamics of nutrient concentrations and eutrophication of the waters in Barguzin Bay (Lake Baikal)	Troitskaya Elena Sergeevna <i>Limnological Institute SB RAS, Irkutsk, Russia</i> Trends in heat capacity changes of some layers in Southern Baikal during the modern period (from 2000 to 2020)
12-30 – 12-45	Shirokova Julia Aleksandrovna <i>Institute of Biology, Irkutsk State University, Irkutsk, Russia</i>	Pogodaeva Tatyana Vladimirovna <i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Makarov Michael Mikhailovich <i>Limnological Institute SB RAS, Irkutsk, Russia</i>

	Reaction of inducible HSP70 form on different environmental conditions in <i>Ommatogammarus flavus</i>	Benthic dissolved organic carbon fluxes and distribution in Lake Baikal sediments	Studies of Lake Baikal deepwater gas outlets: long-term stability, gas flow assessment
12-45 – 13-00	Karpova Ekaterina Aleksandrovna <i>Irkutsk State Agricultural University named after A.A. Ezhevsky, Irkutsk, Russia</i> Features of examination of the ocular fundus of the <i>Phoca sibirica</i>	Shikhovtsev Maksim Yurievich <i>Limnological Institute SB RAS, Irkutsk, Russia</i> The study of the seasonal features of turbulence in the atmospheric boundary layer of the Southern Baikal region	Kudaveva Alina Anvarovna <i>Lomonosov Moscow State University, Moscow, Russia</i> Composition and structure of mud volcanic deposits in Lake Baikal: the Class@Baikal Project data report
13-00 – 13-15	Marchukov Kirill Konstantinovich <i>Irkutsk State Agricultural University named after A.A. Ezhevsky, Irkutsk, Russia</i> Features of the bony orbit of the baikal seal: comparative studies	Bukin Yuri Sergeevich <i>Limnological Institute SB RAS, Irkutsk, Russia</i> Relationships of hydrochemical and biological indicators in the under ice water of lake Baikal in the in the spring period. Analysis using correlation networks	Dontsov Alexander Andreevith <i>Institute for Water and Environmental Problems SB RAS, Barnaul, Russia</i> Geographic information system for bloom monitoring inland water bodies
13-15 – 13-30	Nazarova Anna Aleksandrovna <i>Institute of Biology, Irkutsk State University, Irkutsk, Russia</i> First steps to obtaining primary cell cultures of different tissues of endemic Baikal amphipods <i>Eulimnogammarus verrucosus</i>	Karnaukhova Galina Aleksandrovna <i>Institute of the Earth's Crust SB RAS, Irkutsk, Russia</i> Geochemical heterogeneities of lithosphere and hydrosphere in the Irkutsk Reservoir as the indicator of the geo-ecological state	Latysheva Inna Valentinovna <i>Irkutsk State University, Irkutsk, Russia</i> Climatic factors in the formation of the water regime in the rivers of the Southern Baikal region
13-30 – 13-45	Pomoyntskaya Tatyana Evgenievna <i>Irkutsk State Agricultural University named after A.A. Ezhevsky, Irkutsk, Russia</i> Multiple kidney of the Baikal seal in early postnatal ontogenesis: structure and topography	Tcydypov Vadim Vladimirovich <i>Institute of Physical Materials Science SB RAS, Ulan-Ude, Russia</i> Features of the spatial distribution of gaseous impurities in the atmosphere of the South-Eastern coast of Lake Baikal byroute measurements in the summer period 2018-2019	Solovyeva Marina Andreevna <i>Lomonosov Moscow State University, Moscow, Russia</i> Modern under-water mass-transport processes and deposits in Lake Baikal: the Class@Baikal Project data report
13-45 – 14-00	Drozdova Polina Borisovna <i>Institute of Biology, Irkutsk State University, Irkutsk, Russia</i> Spectral sensitivity of the visual system of endemic Baikal amphipods	Shashulovskaya Elena Aleksandrovna <i>Saratov branch of the All-Russian Scientific Research Institute of Fisheries and Oceanography, Saratov, Russia</i> The dynamics of the main hydrochemical indicators in small reservoirs of different geographical zones under climate change at the beginning of the XXI century	Sutyryna Ekaterina Nikolaevna <i>Irkutsk State University, Irkutsk, Russia</i> Prediction of spring ice phenomena on lakes and reservoirs using teleconnection indices

<p>14-00 – 14-15</p>	<p>Sayvanova Svetlana Alekseevna <i>Irkutsk State Agricultural University named after A.A. Ezhevsky, Irkutsk, Russia</i></p> <p>Topography and blood supply to the mandibular lymph node of the Baikal seal (<i>Pusa sibirica</i> Gmelin, 1788) in ontogenesis</p>	<p>Iakovlev Dmitry Valerievich <i>A.P. Karpinsky Russian geological research institute (VSEGEI), St. Petersburg, Russia</i></p> <p>Isotope-fractional carbon curves in different types of Lake Baikal oil</p>	<p>Vidishcheva Olesya Nikolaevna <i>Lomonosov Moscow State University, Moscow, Russia</i></p> <p>Tectonic control of modern fluid discharge at the bottom of Lake Baikal: the Class@Baikal Project data report</p>
<p>14-15 – 14-30</p>	<p>Cvjetinovic Julijana <i>Center for Photonics and Quantum Materials, Skolkovo Institute of Science and Technology, Moscow, Russia</i></p> <p>Photoacoustic and Fluorescence Lifetime Imaging of Diatoms</p>	<p>Lysenko Maria Sergeevna <i>Institute for Water and Environmental Problems SB RAS, Barnaul, Russia</i></p> <p>Organic, mineral and nutrient substances in the atmospheric precipitation of Barnaul</p>	<p>Kazantsev Vladimir Sergeevich <i>A.M. Obukhov Institute of Atmospheric Physics RAS, Moscow, Russia</i></p> <p>Experimental studies of CH₄ emission from lake seeps in the cryolithozone of Western Siberia</p>
<p>14-30 – 14-45</p>		<p>Grechushnikova Maria Georgievna <i>Moscow State University, Moscow, Russia</i></p> <p>Automation of measuring primary production and destruction: possibilities and disadvantages</p>	<p>Tsvetova Elena Aleksandrovna <i>Institute of Computational Mathematics and Mathematical Geophysics SB RAS, Novosibirsk, 630090, Russia</i></p> <p>Scenario modeling of hydrodynamics and impurity propagation in Lake Baikal</p>
<p>14-45 – 15-00</p>		<p>Mikhailenko Anna Vladimirovna <i>Federal University, Rostov-on-Don, Russia</i></p> <p>Mercury and iron in atmospheric precipitation of the Azov Sea basin</p>	<p>Zyryanov Denis Valerievich <i>Water Problems Institute RAS, Moscow, Russia</i></p> <p>Preliminary results of the summer and winter campaigns 2019-2020 on Lake Baikal in the framework of the RBFR project for the study of eddies that form ice rings</p>



10-11 September, 2020

V-th Baikals Symposium on Microbiology
"Microorganisms and Viruses in Water Ecosystems" (BSM - 2020)

<http://www.lin.irk.ru/bsm2020/en/>



Please note that the Programme shows Moscow broadcast time!

September 10, 2020

09:00 – 09:10 Opening of the Symposium. Welcome Address by the Chairman of the Organizing Committee, Dr. Sc. (Biology), prof., V.V. Drucker

Chairman: *Valentin V. Drucker*

Deputy Chairman: *Sergey A. Potapov*

Plenary session

09:10 – 09:30 **Tamara I. Zemskaya**, Limnological Institute SB RAS, Irkutsk
Ecology of estuarine waters of small rivers of southern Baikal in 2018

09:30 – 09:50 **Olga I. Belykh**, Limnological Institute SB RAS, Irkutsk
Cyanobacteria in Lake Baikal: genetic and taxonomic diversity, abundance, toxicity

09:50 – 10:10 **Andrey L. Bryukhanov**, Lomonosov Moscow State University, Moscow
Communities of potentially corrosive microorganisms of the littoral zone of Kislaya Guba (Barents Sea)

10:10 – 10:30 **Alina R. Galperina**, Astrakhan state technical university, Astrakhan
Pigment system of cyanobacteria in the presence of heavy metals

10:30 – 10:50 **Alexey V. Safonov**, A.N. Frumkin Institute of Physical chemistry and Electrochemistry of the Russian academy of sciences, Moscow
Complex *in situ* bioremediation of upper aquifers near the uranium sludge depository

10:50 – 11.10 **Darya A. Egorova** National Research Center of Epidemiology and Microbiology n. a. N.F. Gamaleya, Moscow
Adaptation and cross species interaction of *Chromobacterium spp.* within aquatic biofilms in temperate climate zone

Oral sessions

- 11:15 – 11:30 **Elena G. Lebedeva**, Far Eastern Geological Institute FEB RAS, Vladivostok
Composition of physiological bacterial groups in thermal springs of the Kuldur deposit (Amur oblast, Russian Far East)
- 11:30 – 11:45 **Olga N. Pavlova**, Limnological Institute SB RAS, Irkutsk
Processes of anaerobic oxidation of oil in bottom sediments of Lake Baikal
- 11:45 – 12:00 **Svetlana V. Zaitseva**, Institute of General and Experimental Biology SB RAS, Ulan-Ude
Cosmopolitan freshwater bacteria in microbial community of recreational freshwaters in Baikal region
- 12:00 – 12:15 **Anna V. Lomakina**, Limnological Institute SB RAS, Irkutsk
Anaerobic oxidation of methane in differences types of geological structures at Lake Baikal
- 12:15 – 12:30 **Svetlana M. Chernitsyna**, Limnological Institute SB RAS, Irkutsk
Distribution and morphology of colorless sulfur bacterium of the genus *Thiothrix* in reservoirs of Baikal rift zone
- 12:30 – 12:45 **Galina V. Podlesnaya**, Limnological Institute SB RAS, Irkutsk
Diversity of nitrifying bacteria in microbial communities of water and epilithic biofilms of the Lake Baikal littoral zone
- 12:45 – 13:00 **Ekaterina A. Zatsarinnaya**, Ryazan State University named for S. Yesenin, Ryazan
Antibiotics and phage resistant isolates of *Enterobacteriaceae* as a source of new infectious risks in surface water bodies
- 13:00 – 13:15 **Elena V. Sukhanova**, Limnological Institute SB RAS, Irkutsk
Diversity of polyketide synthase (PKS) genes in the metagenomic community of epilithic biofilms from the littoral zone of Lake Baikal

September 11, 2020

08:50 – 09:00

Chairman:

Deputy Chairman:

Beginning of the second day of the Symposium

Olga N. Pavlova

Andrey Y. Krasnopeev

Plenary session

09:00 – 09:20

Valentin V. Drucker, Limnological Institute SB RAS, Irkutsk

21st century – century of virology

09:20 – 09:40

Olga A. Stepanova, Institute of Natural and Technical Systems, Sevastopol

Results of Black Sea algal viruses monitoring

09:40 – 10:00

Petr V. Evseev, M.M. Shemyakin and Yu.A. Ovchinnikov Institute of Bioorganic Genomic characterization of *Pseudomonas* bacteriophage AN14 from Lake Baikal aquatic system

10:00 – 10:20

Sergey A. Potapov, Limnological Institute SB RAS, Irkutsk

Characteristics of the viromes in the pelagic zone of Lake Baikal

10:20 – 10:40

Airat R. Kayumov, Kazan Federal University, Kazan

The mutual alteration of bacterial susceptibility to antimicrobials in dual-species biofilm

10:40 – 11:00

Nadezhda M. Popova, A.N. Frumkin Institute of Physical chemistry and Electrochemistry of the Russian academy of sciences, Moscow

The evolution of microbial biofilms on sandy rocks in aquifers with anthropogenic pollution

Oral sessions

11:00 – 11:15

Darima D. Barkhutova, Institute of General and Experimental Biology SB RAS, Ulan-Ude

Microbial community diversity in hot springs of the Baikal rift zone

11:15 – 11:30

Sergey V. Bukin, Limnological Institute SB RAS, Irkutsk

Methylotrophic methanogens in bottom sediments of Lake Baikal

11:30 – 11:45

Anna A. Kublanovskaya, Lomonosov Moscow State University, Moscow

Formation of the phosphate-resistant communities of microalgae and bacteria in the subpolar waters

11:45 – 12:00

Maria Y. Suslova, Limnological Institute SB RAS, Irkutsk

Distribution and number of cultured bacteria of the phosphorus cycle in the ecosystem of Lake

12:00 – 12:15	Baikal Ivan A. Khalzov , Limnological Institute SB RAS, Irkutsk Microbial community associated with baicalian crustacea near gas-oil deepwater discharges
12:15 – 12:30	Irina A. Lipko , Limnological Institute SB RAS, Irkutsk Genetic diversity of Actinobacteria inhabiting water and sponges of Lake Baikal
12:30 – 12:45	Yulia R. Shtykova , Limnological Institute SB RAS, Irkutsk Antibiotic-resistant opportunistic bacteria in the coastal zone of Lake Baikal
12:45 – 13:00	Ekaterina A. Zimens , Limnological Institute SB RAS, Irkutsk Distribution of the number of cultured heterotrophic bacteria and the total number of bacteria in the surface microlayer, water column, and epilithic biofilms of the littoral zone of Lake Baikal
13:00 – 13:15	Lyubov I. Chernogor , Limnological Institute SB RAS, Irkutsk Microbiomes analysis Baikaian sponges <i>Lubomirskia baicalensis</i>

10-13 September, 2020

Poster session

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Session 1. Current global changes in the aquatic ecosystems, and methods for monitoring of the aquatic environment

Name	Affiliation	Presentation
Obolewski Krystian Tadeusz	<i>Kazimierz Wielki University, Bydgoszcz, Poland</i>	Response of macroinvertebrates to the depth gradient of a shallow lake: implications for ecological assessment
Boldanova Elena Vladimirovna	<i>Baikal State University, Irkutsk, Russia</i>	Geographic information systems usage for assess the state of water bodies
Kulik Natalia Vladimirovna	<i>Northern Water Problems Institute KarRC RAS, Petrozavodsk, Russia</i>	Presentation of preliminary results of an experiment on the sorption of metals on the surface of microplastic particles in the natural waters of Karelia
Sapozhnikov Alexander Igorevich	<i>Baikal State University, Irkutsk, Russia</i>	Geographic information mapping methods as a basis for systematization of environmental monitoring data on the Angara River system
Tekanova Elena Valentinovna	<i>Northern Water Problems Institute, KarRC RAS, Petrozavodsk, Russia</i>	Production characteristics of phytoplankton of the Vygozerskoe reservoir (Karelia) under the conditions of reoligotrophization of the ecosystem
Kalinkina Natalia Mikhailovna	<i>Northern Water Problems Institute KarRC</i>	Brownification and its consequences for the ecosystems of Lake Onego and

	<i>RAS, Petrozavodsk, Russia</i>	Vygozerskoe reservoir under influence of climatic and anthropogenic factors
Fomina Yuliia Yurevna	<i>Northern Water Problems Institute KarRC RAS, Petrozavodsk, Russia</i>	Shifts in phenology of zooplankton due to climate change
Makukhin Vladimir Leonidovich	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Study of the processes of distribution and deposition of hazardous substances of the first hazard class in the south of the Baikal region
Mamontov Anatoliy Mikhailovich	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Reasons for the decline in the number of Baikal omul
Kuzikova Irina Leonidovna	<i>Scientific Research Centre for Ecological Safety RAS, St. Petersburg, Russia</i>	Change of bacterial community structure in nonylphenols- degrading sediments
Makarova Elena Mikhailovna	<i>Northern Water Problems Institute, KarRC RAS, Petrozavodsk, Russia</i>	Incident of algae blooms of Lake Svyatozero (Karelia, Russia)
Fedorova Galina Afanasevna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Saxitoxin and its analogues in the water of Lake Baikal
Seuront Laurent Jean Jules	<i>French National Centre for Scientific Research, Wimereux, France</i>	Intermittency in wind-generated turbulence in Lake Baikal: implications for biophysical couplings in the plankton
Interesova Elena Aleksandrovna	<i>Novosibirsk branch of Russian Federal «Research Institute of Fisheries and Oceanography», Novosibirsk, Russia</i>	There are no fish here: public perception of fish stock dynamics
Uskova Svetlana Sergeevna	<i>Far Eastern Federal University, Vladivostok, Russia</i>	Resistance to antimicrobial agents of Enterococcus spp. isolated at low and normal temperatures from water bodies of Vladivostok with anthropogenic load
Goncharov Alexander Valentinovich	<i>Lomonosov Moscow State University, Moscow, Russia</i>	The specific features of phytoplankton in the reservoirs of Moskva River
Potapova Elena Vladimirovna	<i>Irkutsk State University, Irkutsk, Russia</i>	Water protection zones and coastal protective strips of water bodies

Session 2. Biodiversity of large freshwater bodies: molecular and conventional approaches and models

Name	Affiliation	Presentation
Kovalenkova Maria Vladimirovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Intraspecific genetic variation in gastropods <i>Liobaikalia stiedae</i> (Dybowski, 1875) in Baikal
Maksimova Natalia Vasilevna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Genetic and trophic differentiations within parapatric and sympatric <i>Benedictia</i> species (Caenogastropoda: Benedictiidae) in Lake Baikal
Teterina Veronika Igorevna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Distribution of two genetic groups of big Baikal oilfish (<i>Comephorus dybowskii</i>) in the lake
Natyaganova Antonina Valentinovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Hemotropism as a possible type of directed cell growth and its consequences in the green filamentous algae <i>Ulotrix zonata</i> (Web. Et Mohr.) Kütz.
Bolbat Nadezhda Bogdanovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	The study of genetic diversity of flat leeches
Naganawa Hidetoshi	<i>The United Graduate School of Agricultural Science, Gifu University, Gifu, Japan</i>	Interspecific competition between two self-fertile and one related sexual species of tadpole shrimp <i>Triops</i> (Branchiopoda, Notostraca) with reproductive interference, Allee effect and environmental fluctuation

Haydarov Hislat Kudratovich	<i>Samarkand State University, Samarkand, Uzbekistan</i>	Biological resources of the Zeravshan floodplain and their rational use
Sorokina Polina Gennadevna	<i>Baikal State University, Irkutsk, Russia</i>	Mathematical modelling of population dynamics of Baikal omul under commercial catch
Elcheninov Alexander Gennadievich	<i>Research Center of Biotechnology RAS, Moscow, Russia</i>	Extending the diversity of thermophilic planctomycetes: <i>Thermogemmata gen. nov.</i>
Yadrenkina Elena Nikolaevna	<i>Institute of Systematics and Ecology of Animals RAS, Novosibirsk, Russia</i>	Dependence of the migratory activity of fish in the lake- river complex of Western Siberia on seasonal fluctuations in the hydrochemical parameters
Silow Evgeny Anatolevich	<i>Institute of Biology, Irkutsk State University, Irkutsk, Russia</i>	Analysis of long-term dynamics of the plankton community of Lake Baikal
Bąkowska Martyna Maria	<i>Kazimierz Wielki University, Bydgoszcz, Poland</i>	Comparision of the periphyton inhabiting reed between floodplain lake and river
Napiórkowski Pawel	<i>Kazimierz Wielki University, Bydgoszcz, Poland</i>	The assessment of the water quality of shallow water bodies based on zooplankton trophic state indexes (ZTSI Rotifera)
Interesova Elena Aleksandrovna	<i>Novosibirsk branch of Russian Federal «Research Institute of Fisheries and Oceanography», Novosibirsk, Russia</i>	Aquatic biological resources in the Middle Ob basin: problems of reproduction
Zaydykov Igor Yurievich	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	The structure of the Baikal population of <i>Cyclops kolensis</i> . Lill, 1901 (Copepoda, Cyclopoida) and phylogenetic relationships with some non-Baikal representatives of the species based on the molecular genetic analysis of the mtDNA CO1 fragment
Bedoshvili Ekaterina Dzhambulatovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Algovirus in laboratory culture of the diatom <i>Aulacoseira islandica</i>
Pitulko Sergey Illarionovich	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	The influence of turbulence on morphological variability of <i>Daphnia galeata</i> in Lake Baikal
Zolotovskaya Elena Dmitrievna	<i>Institute of Biology, Irkutsk State University, Irkutsk, Russia</i>	The estimation of streptomycin-nonspecific effect on Baikal endemic amphipods <i>Eulimnogammarus verrucosus</i>
Usoltseva Marina Vladimirovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	The first finding of diatoms from the Early Miocene lacustrine deposits of the Barguzin Valley (Baikal Rift Zone)
Polyakova Marina Stanislavovna	<i>Siberian Institute of Plant Physiology and Biochemistry SB RAS, Irkutsk, Russia</i>	The first data on fungi and fungus-like organisms in Lake Baikal

Session 3. Aquatic organisms: aspects of genomics, physiology, and biochemistry

Name	Affiliation	Presentation
Yakhnenko Vera Mikhailovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Isozyme structure of the <i>Ixodes persulcatus</i> Schulze (Acari: Ixodidae) tick populations in the Baikal Region
Yakhnenko Vera Mikhailovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Organization of blood oxygen transport system for cottoid fish of Lake Baikal

Sapozhnikova Yulia Pavlovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Molecular and cellular responses to long-term sound exposure in Baikal coreginid fish
Sirotinina Elena Aleksandrovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Dynamics of gene order rearrangements in mitochondrial genomes of Baikalian amphipods
Karnaukhov Dmitrii Yurevich	<i>Institute of Biology, Irkutsk State University, Irkutsk, Russia</i>	Dynamics of structure and abundance of night migratory community in the littoral zone of lake Baikal
Matveenko Ekaterina Yurevna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Ecological zonation of the Baikal endemic piscine leeches of the genus <i>Baicalobdella</i> (Hirudinea, Piscicolidae)
Tyagun Marina Lvovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Otolith morphs of juveniles of Baikal omul presented by populations from of Barguzin River, Selenga River and Bol'shaya River
Tarasevich Vyacheslav Nikolaevich	<i>Irkutsk State Agricultural University named after A.A. Ezhevsky, Irkutsk, Russia</i>	Heart morphology of Baikal seal
Sugachenko Olga Aleksandrovna	<i>Baikal State University, Irkutsk, Russia</i>	Pathogen identification and epidemiological assessment in Recirculation Aquaculture System based on Illumina sequencing technology
Kladchenko Ekaterina Sergeevna	<i>Kovalevsky Institute of Biology of the Southern Seas RAS, Sevastopol, Russia</i>	Effect of hypoxia on hemocyte parameters of mussel (<i>Mytilus galloprovincialis</i> Lmk.) and the Pacific oyster (<i>Crassostrea gigas</i> L.) cultivated on shellfish farm (salt lake Donuzlav, Crimea)
Itskovich Valeria Borisovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Study of variability of ITS1 and ITS2 spacers of rDNA of freshwater sponges (Porifera, Spongillida)

Session 4. The cycle of organic matter and nutrients

Name	Affiliation	Presentation
Aggrey Patrick	<i>Skolkovo Institute of Science and Technology (Skoltech), Moscow, Russia</i>	Diatomite inspired nanostructured quartz as a piezoelectric material
Denisova Irina Sergeevna	<i>Lomonosov Moscow State University, Moscow, Russia</i>	Distribution of nutrient elements and organic carbon in the lower reaches of the Selenga River
Shirokova Liudmila Sergeevna	<i>N. Laverov Federal Center for Integrated Arctic Research UB RAS, Arkhangelsk, Russia</i>	Diurnal cycles in thermokarst lakes of a permafrost peatland
Shvetsova Natalia Viktorovna	<i>N. Laverov Federal Center for Integrated Arctic Research UB RAS, Arkhangelsk, Russia</i>	Organochlorines in small lakes of the Bolshezemelskaya tundra
Efimov Vasilii Antonovich	<i>Lomonosov Moscow State University, Moscow, Russia</i>	Chemical elements distribution in the water column of the Lake Gusinoe and its tributaries
Sakirko Maria Vladimirovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Dissolved gases and nutrients in the littoral zone of the Barguzin and Chivyrkuy bays in the summer of 2019
Perfileva Alla Innokentevna	<i>Siberian Institute of Plant Physiology and Biochemistry SB RAS, Irkutsk, Russia</i>	Carrageenan as polymer matrix for selenium nanocomposites
Nasonov Sergei Vladimirovich	<i>V.E. Zuev Institute of Atmospheric Optics SB RAS, Tomsk, Russia</i>	Ground-based and shipborne lidar studies of aerosol fields of the atmosphere above Lake Baikal
Onishchuk Natalia Anatolevna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	The study of the elemental composition of snow and morbidity of the population in

		industrial cities of the Irkutsk Region
Domysheva Valentina Mikhailovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Dynamics of nutrients in the water of the pelagic zone of Lake Baikal
Khuriganowa Olga Innokentevna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Trace gas in the atmosphere of atmospheric control stations in industrial centers of Eastern Siberia
Marinaite Irina Iozovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Ship borne studies of the distribution of PAHs and PM10 in the near-water atmospheric layer of Lake Baikal in the summer of 2016-2017
Payandi-Rolland Dahédrey	<i>Geoscience Environment Toulouse, University of Toulouse, Toulouse, France</i>	DOC biodegradation behavior along permafrost affected hydrological continuum
Marinaite Irina Iozovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	The concentrations of petroleum products in the waters of Lake Baikal and its tributaries during different seasons from 2010 to 2019
Rusanova Polina Aleksandrovna	<i>Irkutsk State University, Irkutsk, Russia</i>	The impact of wildfires on the geosystems of the Baikal region
Molozhnikova Elena Vladimirovna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Spatial distribution of anthropogenic impurities from large stationary sources in the Baikal Natural Territory on the coast of Lake Baikal
Netsvetaeva Olga Grigorievna	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Specifics of the chemical composition of atmospheric precipitation in the Southern Baikal region
Myasnikova Nadezda Aleksandrovna	<i>Northern Water Problems Institute of the KarRC RAS, Petrozavodsk, Russia</i>	Analysis of bottom sediments of small lakes in Central Karelia
Obolkin Vladimir Arkadievich	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Atmospheric precipitation as a source of biogenic elements entering the ecosystem of Lake Baikal

Session 5. Hydrological and hydrophysical processes and their effect on the state of the aquatic environments

Name	Affiliation	Presentation
Chernishov Maksim Sergeevich	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Determination of hydrological characteristics of the rivers of Maloye More according to the data of analogous rivers
Cazac Valeriu Iacob	<i>State Hydrometeorological Service, Hydrology Department, Chisinau, Moldova</i>	Dynamics of surface waters in the territory Republic of Moldova in the context of Climate Change
Datsenko Yuri Sergeevich	<i>Lomonosov Moscow State University, Moscow, Russia</i>	Influence of hydrological factors on reservoir algal blooming
Blinov Vadim Vasilevich	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Spatial distribution of ionic mineralization of Baikal surface waters
Magritskiy Dmitrii Vladimirovich	<i>Lomonosov Moscow State University, Moscow, Russia</i>	The water pools of the Agrakhan Bay area in the Terek River delta and scientifically based measures for their conservation
Kimura Hiromi	<i>Kitami Institute of Technology, Kitami, Japan</i>	Carbon isotopic fractionation of carbon dioxide between gas and hydrate phases
Kimura Hiromi	<i>Kitami Institute of Technology, Kitami, Japan</i>	Isotopic difference between hydrate-bound and sediment gases retrieved at Lake Baikal
Kamata Ryoya	<i>Kitami Institute of Technology, Kitami, Japan</i>	Hydrogen isotopic fractionation of methane at the formation of synthetic mixed-gas hydrate composed of methane and propane

Akihiro Hachikubo	<i>Kitami Institute of Technology, Kitami, Japan</i>	Stable isotopic evidence for microbial ethane in Lake Baikal gas hydrates
Krylov Aleksei Alekseevich	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	The reconstruction of the mechanisms of problematic authigenic carbonates formation in diagenetic and catagenetic environments associated with the generation/ oxidation of hydrocarbons
Bezmaternykh Dmitry Mikhailovich	<i>Institute for Water and Environmental Problems SB RAS, Barnaul, Russia</i>	Altitudinal zonality and natural zoning as factors of bottom invertebrate communities formation in lakes of Western Siberia and Russian Altai
Shul'ga Tatyana Yakovlevna	<i>Marine Hydrophysical Institute of RAS, Sevastopol, Russia</i>	Reconstruction of salinity data in the Sea of Azov from satellite measurements in the visible spectrum
Sherstyankin Pavel Pavlovich	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	The survey-based annual cycle of water temperature and the temperature of the maximum density in Lake Baikal
Khabuev Andrei Vladimirovich	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	The structure of the mud volcano Novosibirsk based on the results of geological and geophysical studies
Sherstyankin Pavel Pavlovich	<i>Limnological Institute SB RAS, Irkutsk, Russia</i>	Comparison of spectral irradiance measurements of the surface water layer in Lake Baikal with satellite data

V-th Baikal Symposium on Microbiology "Microorganisms and Viruses in Water Ecosystems" (BSM - 2020)

Name	Affiliation	Presentation
Elcheninov A.G., Podosokorskaya O.A., Toschakov S.V., Bonch-Osmolovskaya E.A., Kublanov I.V.	Research Center of Biotechnology RAS, Winogradsky Institute of Microbiology, Moscow	Extending the diversity of thermophilic planctomycetes: <i>Thermogemmata</i> gen. nov.
Kuzikova I.L., Zaitseva T.B., Andronov E.E., Safronova V.I., Medvedeva N.G.	Scientific Research Center for Ecological Safety at the Russian Academy of Sciences, St. Petersburg	Change of bacterial community structure in nonylphenols-degrading sediments
Sabirova A.E.¹, Gorshkova A.S.², Drucker V.V.², Kayumov A.R.¹	¹ Kazan Federal University, Kazan; ² Limnological Institute of the SB RAS, Irkutsk	Synergistic action of bacteriophage with antibiotics on <i>Pseudomonas aeruginosa</i> biofilms
Samylina O.S.¹, Namsaraev Z.B.²	Effect of salinity on phototrophic communities from Tanatar VI soda lake (Altai Region, Russia)	¹ Winogradsky Institute of Microbiology, Research Center of Biotechnology, Russian Academy of Sciences, Moscow, ² NRC "Kurchatov Institute", Moscow

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