

13th INTERNATIONAL CONFERENCE ON SALT LAKE RESEARCH

PROGRAM IN A GLANCE

Sunday

20.08.2017

Lobby of Buryat State University, 1th floor (Ulan-Ude, Ranzhurova St., 4)

15.00 – 19.00	Registration
---------------	---------------------

Monday

21.08.2017

Big Conference Hall, 6th floor

Small Conference Hall, 4th floor

08.30 – 10.00	Registration	
10.00 – 11.00	Opening ceremony	
11.00 – 12.30	Plenary session	
14.30 – 18.00	Regular session Inland lakes in a changing world: anthropogenic and climate change effects on salinity, ecology and biogeochemical cycling	Regular session Geology and geochemistry of salt lakes
18.30 – 20.30	Welcome party	

Tuesday

22.08.2017

Big Conference Hall, 6th floor

Small Conference Hall, 4th floor

09.00 – 10.00	Plenary session	
10.00 – 16.20	Special session Microbiology of saline lakes (dedicated to the memory of Prof. B.B. Namsaraev)	
14.00 – 14.40		Regular session Aquaculture development
15.00 – 16.20		Regular session Physical processes and modelling
16.20 – 18.00	Poster and coffee session	
18.00 – 19.30	Demonstration of film about Aral Sea by Dr. Nikolai Aladin	

Wednesday

23.08.2017

Excursion to the Lake Baikal and Baikal State Reserve

Thursday
24.08.2017

Big Conference Hall, 6th floor

Small Conference Hall, 4th floor

09.00 – 10.00	Plenary session	
10.30 – 12.30	Regular session Services provided by salt lakes: from chemical resources to cultural and social services	Regular session Salt lake–landscape interactions, watershed studies
14.00 – 15.40	Regular session Biochemical aspects of saline lake studies	Regular session Paleolimnology: environmental change recorded by salt lake sediments
16.30 – 18.00	General meeting of the International Society for Salt Lake Research (all conference participants)	
19.00 – 22.00	Conference dinner (Banquet Hall “Grand Yurta”, Ulan-Ude, Verkhnyaya Berezovka, 37)	

Conference Hall of Institute of General and Experimental Biology SB RAS,
Ulan-Ude, Sakhyanovoi St., 6

14.00 – 16.00	Round table discussion The saline soils: genesis, evolution, classification and conceptual and methodical approaches of their studying in the 21st century
---------------	--

Friday
25.08.2017

Big Conference Hall, 6th floor

09.00 – 12.30	Regular session Salt lake ecology and biology, food webs and biogeochemical cycling
14.00 – 15.40	Regular session Comparative studies of saline and freshwater lakes
15.40 – 16.00	Closing ceremony

Saturday
26.08.2017

Departure to post-conference tours

CONFERENCE PROGRAM

20.08.2017 - Sunday	
	Conference hall of Buryat State University
15.00-19.00	Registration

21.08.2017 – Monday	
	Big conference hall of Buryat State University
8.30	Registration
10.00	Opening Ceremony
	Plenary session <i>Chair: Brian Timms</i>
11.00	Mianping Zheng <i>Center for Saline Lake and Epithermal Deposits, Chinese Academy of Geological Sciences, China</i> Thoughts on salt science
11.30	Erik Jeppesen <i>University of Aarhus, Denmark</i> Climate change effect on lakes: similarities and differences in response of freshwater and saline lakes
12.00	Oleg Anenkhnov <i>Institute of General and Experimental Biology SB RAS, Russia</i> Terrestrial ecosystems associated with salt lakes in Transbaikalia, Eastern Siberia: environments, diversity, and prospects for further biological studies
12.30	Group photo
13.00	Lunch
	Regular Session INLAND LAKES IN A CHANGING WORLD: ANTHROPOGENIC AND CLIMATE CHANGE EFFECTS ON SALINITY, ECOLOGY AND BIOGEOCHEMICAL CYCLING <i>Chairs: Erik Jeppesen, Naser Agh</i>
14.30	Naser Agh <i>Artemia & Urmia Lake Research Institute, Iran</i> Geomorphologic changes of Lake Urmia and its negative effects on restoration programs
14.50	Nikolai Aladin <i>Zoological Institute RAS, Russia</i>

	The past and future of the biological resources of the Caspian and the Aral seas
15.10	Belinda Datson <i>Actis Environmental Services, Australia</i> Ecological evaluation of the effects of mine dewatering on a lake in the great western woodlands of Western Australia. Monitoring of Chalice West Lake from 2010 to 2016, after dewatering of Chalice Pit
15.30	Endon Garmaev <i>Baikal Institute of Nature Management SB RAS, Russia</i> Effects of climate change on the water balance of Lake Baikal
15.50	Jonathan Clark <i>Department of Zoology, Weber State University, USA</i> Genetic studies of invertebrate diversity in the Great Salt Lake ecosystem
16.10	Zorigto Namsaraev <i>NRC "Kurchatov Institute", Russia</i> Combating eutrophication in Lake Baikal need comprehensive solutions
16.30	Coffee break
17.00	Lucila Castro* <i>National University of Córdoba, Argentina</i> Salt lakes of South America, flamingos and climate change
17.20	Nikolai Shadrin <i>The A. O. Kovalevsky Institute of Marine Biological Research of RAS, Russia</i> Multiplicity of the alternative ecosystem stable states and adaptive environmental management: saline lake ecosystems and salinology
17.40	Lubov' Vesnina <i>Altai Branch of FSBI "Gosrybcenter", Russia</i> Ecosystem of the hypersaline lakes of Ob-Irtysh interfluve
18.00	Yang Zhenjing <i>Institute of Hydrogeology and Environmental Geology, Chinese Academy of Geological Sciences, China</i> Vegetation characteristics and environmental changes since the last interglacial period in Western Qaidam Basin

	Small conference hall of Buryat State University
13.00	Lunch
	Regular Session GEOLOGY AND GEOCHEMISTRY OF SALT LAKES <i>Chairs: Aleksey Plusnin, Weigang Kong</i>
14.30	Svetlana Doroshkevich <i>Geological Institute of SB RAS, Ulan-Ude</i> The distribution of chemical elements in the landscapes of sulphate and soda lakes (West Transbaikalia)
14.50	Marina Kolpakova* <i>Sobolev Institute of Geology and Mineralogy SB RAS, Tomsk Polytechnic University, Russia</i> Geochemical features of endorheic saline lakes of Kulunda Steppe (Western Siberia, Russia)

15.10	<p>Nina Ma <i>MLR Key Laboratory of Saline Lake Resources and Environments, Institute of Mineral Resources, Chinese Academy of Geological Sciences, China</i> Research progress and application of uranium-series dating method on saline lake of Tibet Plateau</p>
15.30	<p>Xinsheng Niu <i>Institute of Mineral Resources, China</i> The geochemical characteristics and mineral deposits of travertine of tangqungmai in Tibet, China</p>
15.50	<p>Yousheng Tao <i>CAS Key Laboratory of Design and Assembly of Functional Nanostructures, R&D Center of Saline Lake and Epithermal Deposits, China</i> Comparative study on the adsorption and separation of lithium and magnesium ions from aqueous solutions by nanocarbons and zeolites</p>
16.10	<p>Zuoliang Sha <i>Tianjin Key Laboratory of Marine Resources and Chemistry, College of Chemical Engineering and Materials Science, Tianjin University of Science and Technology, China</i> Electrochemically selective extraction of lithium from seawater and brine</p>
16.30	Coffee break
17.00	<p>Huan Zhou <i>Tianjin University of Science & Technology, China</i> Thermodynamic representation of the stable phase equilibria and salt-forming dynamic for typical salt-lake brine</p>
17.20	<p>Fu Fan <i>Institute of Mineral Resources Chinese Academy of Geological Science, China</i> Difference of geochemical character of M56 subsection from the Majiagou formation in the salt basin from the East Erdos basin</p>
17.40	<p>Vyacheslav Khakhinov <i>Buryat State University, Russia</i> <i>Baikal Institute of Nature Management SB RAS, Russia</i> Salt lakes hydrochemistry of the Baikal Rift Zone</p>
18.00	<p>Elaheh Hasan Nataj Niazi* <i>Artemia and Urmia Lake Research Institute, Iran</i> Fluctuations in physicochemical characteristics of Urmia Lake water between 2016 and 2017</p>
18.30	Welcome party Lobby of Big conference hall of Buryat State University

* - here and below, young scientists eligible for award for the best oral or poster talk

22.08.2017 - Tuesday	
	Big Conference hall of Buryat State University
	Plenary session <i>Chair: Nikolai Pimenov</i>
9.00	Vladimir Gorlenko <i>Federal Research Centre «Fundamentals of Biotechnology» RAS, Institute of Microbiology RAS, Russia</i> Contribution of Prof. Bair B. Namsaraev in biogeochemistry and microbiological research of highly-mineralized soda lakes of South-East Siberia and Mongolia
9.30	Julia Margit Aszalos <i>Eötvös Lorand University, Hungary</i> Diversity of extremophilic bacterial communities hosted by two high-altitude saline lakes located in the Puna de Atacama Plateau, Chile
	Special Session MICROBIOLOGY OF SALINE LAKES (DEDICATED TO THE MEMORY OF PROF. B.B. NAMSARAEV) <i>Chairs: Vladimir Gorlenko, Aharon Oren, Nikolai Pimenov, Zorigto Namsaraev</i>
10.00	Nikolai Pimenov <i>FRC “Fundamentals of Biotechnology”, Russia</i> A meromictic freshwater lake Svetloe (Arkhangelsk Region, Russia) as an illustration of modern concepts of the methane cycle microorganisms
10.20	Anna Lomakina* <i>Limnological Institute of RAS SB, Russia</i> Diversity of microbial communities in zones with a contrast mineralization of pore waters on Lake Baikal
10.40	Coffee break
11.10	Elena Selivanova <i>Institute for Cellular and Intracellular Symbiosis Ural Branch of RAS, Russia</i> Comparative analysis of metagenomic data on prokaryotic diversity in the inland brackish and saline water bodies in the Southeastern European part of Russia
11.30	Svetlana Zaitseva <i>Institute of General and Experimental Biology SB RAS, Russia</i> Archaea and bacteria diversity along an increasing salt gradient in alkaline lakes
11.50	Anastasia Kharcheva* <i>Lomonosov Moscow State University, Russia</i> Spectral methods for studying of green sulfur bacteria from five water bodies separated from the White Sea
12.10	Mark Coleman <i>Actis Environmental Services, Perth, Western Australia</i> ¹⁶S DNA analysis as a method of investigating prokaryotes diversity in the benthic mat of solar salt fields
12.30	Lunch

14.00	Anastasia Komova* <i>National Research Centre “Kurchatov Institute”, Russia</i> Anoxygenic phototrophic bacteria of the lake Krasnovishnevoe (Baraba Steppe)
14.20	Attila Szabo <i>ELTE Eotvos Lorand University, Hungary</i> Spatiotemporal patterns and adaptation mechanisms of planktonic microbial communities inhabiting alkaline soda pans of the Carpathian Basin
14.40	Tsetseg Baljinova <i>Institute of General & Experimental Biology, Mongolian Academy of Sciences (MAS), Mongolia</i> Phylogenetic diversity of actinobacteria in saline environments of Mongolia
15.00	Tamas Felföldi <i>ELTE Eötvös Loránd University, Hungary</i> <i>Sapientia Hungarian University of Transylvania, Romania</i> Planktonic microbial communities in heliothermal saline lakes of Transylvania, Romania (Southeastern Europe)
15.20	Evgeniya Matyugina <i>Institute of Natural Resources, Ecology and Cryology SB RAS, Russia</i> Effect of environmental factors on differentiation of microbial communities during day and night: study of meromictic Lake Doroninskoe, Transbaikalia, Russia
15.40	Olga Pavlova <i>Limnological Institute SB RAS, Russia</i> Influence of geochemical conditions on the structure and activity of methanogenic microbial communities: a case study of the bottom sediments from the methane seep Posolsk Bank
16.00	Ludmila Kozyreva <i>Institute of General and Experimental Biology SB RAS, Russia</i> Microbial communities of two steppe soda lakes of South Zabaikalie

	Small conference hall of Buryat State University
12.30	Lunch
	Regular Session AQUACULTURE DEVELOPMENT <i>Chair: Egor Zadereev</i>
14.00	Liying Sui <i>College of Marine and Environmental Sciences, Tianjin University of Science and Technology, China</i> Supplementation of halophilic archaea improves <i>Artemia</i> biomass production in hypersaline culture conditions
14.20	Ruy Lopes-dos-Santos* <i>Laboratory of Aquaculture & Artemia Reference Center, Ghent University, Belgium</i> Halophilic bacteria and archaea as part of the <i>Artemia</i> diet

14.40	Elena Anufriieva* <i>The A. O. Kovalevsky Institute of Marine Biological Research of RAS, Russia</i> Can saline and hypersaline lakes contribute to aquaculture development?
	Regular Session PHYSICAL PROCESSES AND MODELLING <i>Chair: Denis Rogozin</i>
15.00	Mohammad Hemmati <i>Urmia University, Iran</i> 3D numerical simulation of flow and salinity regimes in Lake Urmia
15.20	Hojjat Ahmadi <i>Urmia University, Iran</i> Numerical modeling of saltwater wedge under intruding and receding conditions
15.40	Maksim Tarnovskiy* <i>Institute of Biophysics SB RAS, Russia</i> <i>Siberian Federal University, Russia</i> Changes in the stratification regime of the saline Lake Shira (Siberia, Russia)
16.00	Tatiana Yakubaylik <i>Institute of Computational Modelling, Siberian Branch of Russian Academy of Sciences, Russia</i> Three-dimensional numerical simulation of water mixing processes in Lake Shira under wind stress in autumn

16.20	Posters and Coffee Session Lobby of Big conference hall of Buryat State University
18.00	Demonstration of film about Aral Sea by Nikolai Aladin (Big Conference hall of Buryat State University)

23.08.2017 - Wednesday

	Excursion to the Lake Baikal and Baikal State Reserve
--	--

24.08.2017 - Thursday	
	Big Conference hall of Buryat State University
	Plenary session <i>Chair: Aharon Oren</i>
9.00	Michail Yakimov <i>Institute for Coastal Marine Environment, IAMC-CNR, Italy</i> Primary production in oxic/anoxic interfaces of deep-sea hypersaline lakes: contribution of microbial dark CO₂ fixation in the Eastern Mediterranean Sea
9.30	Zsofia Horvath <i>Post doc researcher, WasserCluster Lunz, Austria</i> Biodiversity of zooplankton in European soda pans
10.00	Coffee break
	Regular Session SERVICES PROVIDED BY SALT LAKES: FROM CHEMICAL RESOURCES TO CULTURAL AND SOCIAL SERVICES <i>Chairs: Tianlong Deng, Nikolai Shadrin</i>
10.30	Aharon Oren <i>Department of Plant and Environmental Sciences, The Institute of Life Sciences, The Hebrew University of Jerusalem, Israel</i> From Lake Baikal to the Dead Sea: the life and works of Moshe Novomeysky
10.50	Tianlong Deng <i>Tianjin Key Laboratory of Marine Resources and Chemistry, College of Chemical Engineering and Materials Science, Tianjin University of Science and Technology, China</i> Exploitation and utilization of salt lakes recourses in China
11.10	Jianfeng Song*, Tao He <i>Shanghai Advanced Research Institute, Chinese Academy of Sciences, China</i> <i>University of Chinese Academy of Sciences, Beijing, China</i> Extraction of lithium from salt lake brine of high Mg/Li using Na[FeCl₄*2TBP] as extractant: thermodynamics, kinetics and processes
11.30	Katia Hueso* <i>IPAISAL Apartado de Correos 50 28450 Collado Mediano, Spain</i> In sale salus: health provision from salt and saline wetlands
11.50	Long Li* <i>Tianjin Key Laboratory of Marine Resources and Chemistry, College of Chemical Engineering and Materials Science, Tianjin University of Science and Technology, China</i> Thermodynamic properties of lithium borates and their aqueous solution systems
12.10	Kirill Kutsanov <i>The State scientific and production centre for fisheries «Gosrybcenter», Russia</i> Experimental study of increasing the bioproductivity of salt lakes by introduction of <i>Artemia nauplii</i>
12.30	Lunch

	<p>Regular Session BIOCHEMICAL ASPECTS OF SALINE LAKE STUDIES <i>Chairs: Oleg Kotsyurbenko, Natalia Belkova</i></p>
14.00	<p>Ilya Kublanov <i>Winogradsky Institute of Microbiology, Research Centre of Biotechnology, Russian Academy of Sciences, Russia</i> Polysaccharidolytic haloarchaea: underestimated diversity and exceptional sets of genes, encoding sugars-processing enzymes</p>
14.20	<p>Anna Popinako* <i>Bach Institute of Biochemistry, Research Center of Biotechnology of the Russian Academy of Sciences, Russia</i> Structural adaptations of octaheme nitrite reductases from haloalkaliphilic <i>Thioalkalivibrio</i> bacteria to alkaline pH and high salinity</p>
14.40	<p>Kseniya Vereshchagina* <i>Institute of Biology at Irkutsk State University, Russia</i> Salinity modulates thermotolerance, energy metabolism and stress response in amphipods <i>Gammarus lacustris</i></p>
15.00	<p>Ekaterina Bezudnova <i>Bach Institute of Biochemistry, Research Center of Biotechnology of the Russian Academy of Sciences, Russia</i> Polyextremophilic enzymes from archaea and bacteria: structural and functional features</p>
15.20	<p>Vera Tereshina <i>Federal Research Centre «Fundamentals of Biotechnology» of the RAS, Russia</i> Organic osmolytes in adaptation of alkaliphilic and alkalitolerant fungi to the ambient pH</p>
15.40	<p>Elena Erdyneeva* <i>Institute of General and Experimental Biology SB RAS, Russia</i> Proteolytic activity of galaoalkalophilic bacteria of the genus of <i>Proteinivorax</i> from sodium lake Tanatar (Russia)</p>

	<p align="center">Small Conference hall of Buryat State University</p>
	<p>Regular session SALT LAKE–LANDSCAPE INTERACTIONS, WATERSHED STUDIES <i>Chairs: Fanjing Kong, Oleg Anenkhnov</i></p>
10.30	<p>Fanjing Kong <i>MLR Key laboratory of Saline Lake Resources and Environment, Institute of Mineral Resources, Chinese Academy of Geological Science(CAGS), China</i> Botanic distribution characterization in the playa of Qaidam Basin, Tibetan Plateau</p>
10.50	<p>Oxana Vishnyakova <i>Institute of General and Experimental Biology SB RAS, Russia</i> Elemental composition and salt-accumulating activity of halophytes in the coastal zone of salt lakes</p>
11.10	<p>Vasily Ubugunov <i>Institute of General and Experimental Biology, Russia</i></p>

	Soils of the lakeside halomorphic ecosystems of the Barguzin Hollow
11.30	Natalia Chizhikova <i>Dokuchaev Soil Science Institute, Russia</i> Transformation of rectorite from alluvium at the Barguzin Depression in dark-humus quasi-gleyic saline cryoturbated soil
11.50	Sofia Bondarenko <i>Lomonosov Moscow State University, Russia</i> Obligate alkaliphilic fungi inhabiting the littoral zone of hypersaline lakes
14.00 – 16.00	Buryat Scientific Centre, Hall of Institute of General and Experimental Biology SB RAS, Sakhyanovoi St., 6 Round table discussion THE SALINE SOILS: GENESIS, EVOLUTION, CLASSIFICATION AND CONCEPTUAL AND METHODOLOGICAL APPROACHES OF THEIR STUDYING IN THE 21ST CENTURY <i>Coordinators: N.B. Khitrov (V.V. Dokuchaev Soil Science Institute, Moscow) M.G. Merkusheva (Institute of General and Experimental Biology, Ulan-Ude)</i>
12.30	Lunch
	Regular Session PALEOLIMNOLOGY: ENVIRONMENTAL CHANGE RECORDED BY SALT LAKE SEDIMENTS <i>Chairs: Denis Rogozin, Yuecong Li</i>
14.00	Galina Bolobanshchikova* <i>Institute of Biophysics SB RAS, Russia</i> Diatoms in bottom sediments of closed-basin lakes of Khakasia
14.20	Yuyang Geng* <i>Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, China</i> <i>University of Chinese Academy of Science, China</i> Halite crust microrelief reconfiguration and electromagnetic scattering analysis in Lop Nur
14.40	Denis Rogozin <i>Institute of Biophysics of SB RAS, Russia</i> <i>Siberian Federal University, Russia</i> Impact of water level fluctuations on stratification of Lake Shira (Khakasia, South Siberia): from modern observations to paleo-reconstruction
15.00	Yun Shao <i>Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, China</i> Polarimetric sar for subsurface lacustrine deposits detection and the evolution of Lop Nur
15.20	Vladimir Zykov <i>Institute of biophysics SB RAS, Russia</i> Fossil organic biomarkers of the bottom sediments of Lake Ercheck (Eastern Turkey)
15.40	Yuecong Li

	<p><i>College of Resource and Environmental Sciences, Hebei Normal University, China</i></p> <p>Environmental change since 5000 cal. aBP in the southern of Inner Mongolica Plateau based on the palynological and geochemical record in the Anguli-Nuur Lake</p>
--	--

16.00	Coffee break
16.30	<p>Big Conference hall of Buryat State University</p> <p>Presentation of Chinese Journal of Oceanology and Limnology (Roger Yu, Ian Jenkinson, Chen Yang)</p> <p>General meeting of the International Society for Salt Lake Research (all conference participants)</p> <p>Awards for Young Scientists</p>
18.00	Transfer to restaurant
19.00	Conference Dinner

25.08.2017 - Friday	
	Big Conference hall of Buryat State University
	Regular Session SALT LAKE ECOLOGY AND BIOLOGY, FOOD WEBS AND BIOGEOCHEMICAL CYCLING <i>Chairs: Egor Zadereev, Brian Timms</i>
9.00	Egor Zadereev <i>Institute of Biophysics SB RAS, Russia</i> Biological and ecological features of meromictic lakes
9.20	Yuri Barkhatov <i>Institute of Biophysics SB RAS, Russia</i> Vertical distribution and trophic role of <i>Cryptophyta</i> flagellates of meromictic lakes Shira and Shunet (Khakassia, Russia)
9.40	Peter Hudson <i>South Australian Museum, North Terrace, Adelaide, Australia</i> Using barcoding for an initial assessment of diversity within two ubiquitous, undescribed terrestrial invertebrate groups from Australian salt lakes
10.00	Brian Timms <i>Centre for Ecosystem Science, School of Biological, Earth and Environmental Science, University of New South Wales, Australia</i> On the influence of season and salinity on the phenology of invertebrates in Australian saline lakes, with special reference to those of the Paroo in the semiarid inland
10.20	Coffee break
10.50	Elena Krasnova <i>Lomonosov Moscow State University, Russia</i> Salt stratified lakes naturally separated from the White Sea shore: hydrological structure and multiple colored layers in the chemocline
11.10	Tumenjargal Davaasuren <i>National University of Mongolia, Mongolia</i> Microbial pollution of the Mongolian aquatic ecosystem
11.30	Anton Drobotov <i>Institute of Biophysics SB RAS, Russia</i> Taxonomic composition and biomass of zoobenthos in saline Lake Shira: shifts that happened in 65 year
11.50	Natalia Tashlykova <i>Institute of Natural Resources, Ecology and Cryology SB RAS, Russia</i> Long-term changes of the salt lakes ecosystem in South East Zabaikalie
12.10	Savely Buryukhaev <i>Institute and General and Experimental Biology SB RAS, Russia</i> Ecological conditions and activity of microbial community in mineralized lakes of South-Eastern Transbaikalia
12.30	Lunch
	Regular Session COMPARATIVE STUDIES OF SALINE AND FRESHWATER LAKES <i>Chairs: Emil Boros, Allan Chivas</i>

14.00	<p>Emil Boros <i>MTA Centre for Ecological Research, Balaton Limnological Institute, Hungary</i> Definition review of soda lakes and pans by assessment of large scale chemical data series in Eurasia</p>
14.20	<p>Allan Chivas <i>GeoQuEST Research Centre, School of Earth & Environmental Sciences, University of Wollongong, Australia</i> Organic chemistry of charophytes from freshwater and saline lakes</p>
14.40	<p>Andrey Plotnikov <i>Institute for Cellular and Intracellular Symbiosis Ural Branch of RAS, Russia Orenburg State Medical University, Russia</i> Phylogenetic structure and diversity of protistan communities in saline and brackish water bodies of the South Urals (Russia)</p>
15.00	<p>Svetlana Ulanova <i>The Institute of Complex Research of Arid Areas, Homutnikova, 111, Elista, Russia</i> Ecological passportization of artificial water resources of Kalmykia</p>
15.20	<p>Natalia Belkova <i>Limnological Institute SB RAS, Russia Scientific Centre for Family Health and Human Reproduction Problems, Irkutsk, Russia</i> Structure alterations of bacterial communities in soda and freshwater reservoirs</p>
15.40	<p>Closing ceremony</p>

POSTER SESSION

22.08.2017 – Tuesday

16.20-18.00, Big Conference hall of Buryat State University

Important note: Posters shall be displayed in the lobby of Big Conference Hall on Tuesday (22 August) morning. Please use your poster number to display the poster at appropriate place. Posters will be displayed in the lobby from Tuesday, 22 to Thursday, 24.

P1	Roger Yu, Ian Jenkinson, Chen Yang <i>Chinese Journal of Oceanology and Limnology</i> Introduction to Chinese Journal of Oceanology and Limnology
P2	Tuyana Ayushina <i>Institute of General and Experimental Biology SB RAS, Russia</i> Spatial differentiation of saline soils in lakeside depressions of the steppe zone
P3	Olga Dagurova <i>Institute of General and Experimental Biology SB RAS, Russia</i> Microbial community composition of Lake Baikal coastal water
P4	Lubov' Vesnina <i>Altai Branch of FSBI "Gosrybcenter", Russia</i> Epizootic condition of opisthorchid flukes metacercariae contamination in cyprinid fish in the transient region of the Novosibirsk water reservoir and the Upper Ob
P5	Galina Podlesnaya* <i>Limnological Institute SB RAS, Russia</i> Detection of strains involved in nitrogen cycle in the cultivated microbial community of Lake Baikal biofilms
P6	Bayarma Tsydenova* <i>Institute of General and Experimental Biology SB RAS, Russia</i> Distribution of abundance and diversity of bacteria in freshwater Gusinoe Lake (Buryatia, Russia)
P7	Denis Rogozin <i>Institute of biophysics SB RAS, Russia</i> One-dimensional model of vertical structure of saline lake Uchum (Khakasia, South Siberia)
P8	Jiayin Hu <i>College of Chemical Engineering and Materials Science, Tianjin University of Science and Technology, China</i> Solid-liquid phase equilibrium for the quaternary system (LiCl + NaCl + CaCl₂ + H₂O) at T = 288.15 and 308.15 K
P9	Natalia Tereshchenko <i>A. O. Kovalevsky Institute of Marine Biological Research of RAS, Russia</i> The man-made plutonium radioisotopes in the salt lakes of the Crimean Peninsula
P10	Qian Wu <i>MLR Key Laboratory of Saline Lake Resources and Environments, Institute of Mineral Resources, Chinese Academy of Geological Sciences, China</i> Experimental study and theoretical prediction of phase equilibrium of lithium-containing system
P11	Elena Abidueva <i>Institute of General and Experimental Biology SB RAS, Russia</i>

	Microbial community of the brackish Lake Beloe (Transbaikal Region)
P12	Alla Bryanskaya <i>Federal Research Center "Institute of Cytology and Genetics of the Siberian Branch of the RAS", Russia</i> A metagenomic study of benthic microbial communities of saline lakes of the Novosibirsk Oblast
P13	Valentina Budagaeva* <i>Institute of General and Experimental Biology SB RAS, Russia</i> Mineral formation in thermal alkaline springs of Baikal region
P14	Ekaterina Burganskaya <i>Federal Research Center of Biotechnology RAS, Russia</i> Phototrophic bacteria in microbial mats of mineralized Kiran Lake (Siberia)
P15	Chenghang Sun <i>Institute of Medicinal Biotechnology, Chinese Academy of Medical Sciences & Peking Union Medical College, China</i> Biodiversity, novelty and antimicrobial activity of culturable actinobacteria isolated from Jiuliancheng Nur in Hebei Province, China
P16	Vyacheslav Dambaev <i>Institute of General and Experimental Biology SB RAS, Russia</i> Microbiological and physico-chemical characteristics of saline soils of fault zones of the Barguzin Basin
P17	Elena Erdyneeva* <i>Institute of General and Experimental Biology SB RAS, Russia</i> The proteolytic activity of the alkalophilic strain <i>Halomonas mongoliensis</i> isolated from the saline lakes of the Badain Jaran Desert (Inner Mongolia, China)
P18	Oleg Kotsyurbenko <i>Moscow State University, Russia</i> <i>Yugra State University, Russia</i> <i>Genexplain GmbH, Germany</i> Microbial diversity of the soda-salt lakes located in the Badain Jaran Desert
P19	Elena Lavrentyeva <i>Institute of General and Experimental Biology SB RAS, Russia</i> Identification of peptidases in the genome of alkaliphilic and halotolerant bacterium <i>Pelagirhabdus</i> sp. A11 by the bioinformatics analysis
P20	Aryuna Radnagurueva <i>Institute of General and Experimental Biology SB RAS, Russia</i> Bacterial diversity in salt Lake Khilganta, Transbaikalia, Russia
P21	Dulma Tsyrenova* <i>Institute of General and Experimental Biology SB RAS, Russia</i> Cyanobacteria of soda-saline and fresh lakes of Transbaikal region (Republic of Buryatia, Russia)
P22	Elena Anufrieva* <i>A.O. Kovalevsky Institute of Marine Biological Research RAS, Russia</i> Abundance and the ecological role of <i>Eucypris mareotica</i> (Crustacea, Ostracoda) in the Crimean hypersaline lakes
P23	Veronika Dashkova* <i>National Laboratory Astana, Nazarbayev University, Kazakhstan</i> Assessment of phytoplankton community structure of Lake Balkhash using a FlowCam imaging flow cytometer
P24	Natalia Dergousova

	<p><i>Bach Institute of Biochemistry, Federal Research Centre "Fundamentals of Biotechnology" RAS, Russia</i></p> <p>Production and preliminary characterization of a recombinant cytochrome c from <i>Thioalkalivibrio paradoxus</i></p>
P25	<p>Marina Georgieva <i>Lomonosov Moscow State University, Russia</i> <i>Gause Institute of New Antibiotics, Federal State Budgetary Scientific Institution, Russia</i></p> <p>On the ecology and physiology of facultative alkaliphilic ascomycete <i>Emericellopsis alkaline</i></p>
P26	<p>Olga Grum-Grzhimaylo <i>White Sea Biological Station, Faculty of Biology, Lomonosov Moscow State University, Russia</i></p> <p>Mosaic structure of fungal community in the Kislo-Sladkoe Lake detaching from the Kandalaksha Bay of White Sea</p>
P27	<p>Dmitry Malashenkov <i>National Laboratory Astana, Nazarbayev University, Kazakhstan</i></p> <p>Spatial heterogeneity of phytoplankton composition and water quality in Lake Balkhash</p>
P28	<p>Natalia Mirzoyeva <i>A.O. Kovalevsky Institute of Marine Biological Research RAS, Russia</i></p> <p>^{90}Sr and ^{137}Cs as the radiotracers for determination of the rate of biogeochemical processes in salt lakes of the Crimea</p>
P29	<p>Nikolai Shadrin <i>A.O. Kovalevsky Institute of Marine Biological Research RAS, Russia</i></p> <p>Green algae floating <i>Cladophora</i> mats in the saline lakes as an ecosystem architect: the Crimean case</p>
P30	<p>Tamara Tikhonova <i>Federal Research Centre "Fundamentals of Biotechnology" RAS, Russia</i></p> <p>Genomics and transcriptomics of haloalkaliphilic sulfur-oxidizing bacterium <i>Thioalkalivibrio nitratireducens</i></p>
P31	<p>Vyacheslav Dambaev <i>Institute of General and Experimental Biology SB RAS, Russia</i></p> <p>The physico-chemical characteristics and the number of microorganisms of permafrost soil katens of Yeravninsky Basin of Transbaikalia</p>
P32	<p>Norovsuren Zhadambaa <i>Institute of General and Experimental Biology MAS, Mongolia</i></p> <p>Actinomycetes in soils of Mongolia and Buryatia</p>
P33	<p>Sosorbaram Pagamdulam* <i>Institute of General and Experimental Biology MAS, Mongolia</i></p> <p>The effect of aridity on the swampy vegetation (in case Ugii Lake and Khugshin Orkhon River)</p>
P34	<p>Xia Chen <i>College of Chemical Engineering and Materials, Tianjin University of Science & Technology, China</i></p> <p>The utilization of sludge salts of the wastewater resource by MVR</p>
P35	<p>Shiqiang Wang <i>College of Chemical Engineering and Material Science, Tianjin Key Laboratory of Marine Resources and Chemistry, China</i></p> <p>Solid-liquid phase equilibrium in the quaternary system Li^+, K^+, $\text{Mg}_2^{+//}\text{B}_4\text{O}_7^{2-}-\text{H}_2\text{O}$ at 298.15 K</p>

P36	Bayarma Tsybikdorzhieva <i>Autonomous Non-profit Organization Buryat Center for Support of Innovation, Environmental Protection and Cultural Development “Demzheg”, Russia</i> Chemical resources of saline Lake Kiran for provision of medical services (Buryatia, Eastern Siberia)
P37	Yanfei Wang <i>Tianjin Key Laboratory of Marine Resources and Chemistry, College of Chemical Engineering and Materials Science, Tianjin University of Science and Technology, China</i> Industrial crystallization of lithium carbonate
P38	Jiangjiang Yu <i>MLR Key Laboratory of Saline Lake Resources and Environments, Institute of Mineral Resources, CAGS, China</i> Extracting lithium from Tibetan Dangxiong Tso salt lake of carbonate type by using geothermal salinity-gradient solar pond
P39	Xiaoping Yu <i>Tianjin Key Laboratory of Marine Resources and Chemistry, College of Chemical Engineering and Materials Science, Tianjin University of Science and Technology, China</i> <i>College of Chemistry and Materials Science, Northwest University, China</i> Recovery of lithium from brine by continuous centrifugal extraction
P40	Svetlana Zaitseva <i>Institute of General and Experimental Biology SB RAS, Russia</i> The electrogenic potential of the microbial mat of soda lake Verkhneye Beloe
P41	Andrey Plotnikov <i>Institute for Cellular and Intracellular Symbiosis UB RAS, Russia</i> <i>Orenburg State Medical Academy, Russia</i> Features of the benthic communities of lothic ecosystems in the basin of hypersaline Elton Lake
P42	Weigang Kong <i>MLR Key Laboratory of Saline Lake Resources and Environments, Institute of Mineral Resources, CAGS, China</i> Overview of salt lake stations on Tibetan Plateau
P43	Xuekui Wang <i>Tianjin Key Laboratory of Marine Resources and Chemistry, College of Chemical Engineering and Materials Science, Tianjin University of Sciences and Engineering, China</i> Multi-usage of eatable salts
P44	Elena Selivanova <i>Institute for Cellular and Intracellular Symbiosis Ural Branch of RAS, Russia</i> Diversity and carotenogenic capacity of new microalgae strains from the genus <i>Dunaliella</i> (Chlorophyceae)
P45	Yafei Guo <i>College of Chemical Engineering and Materials Science, Tianjin Key Laboratory of Marine Resources and Chemistry, Tianjin University of Science and Technology, China</i> Apparent molar volumes of $\text{Li}_2\text{B}_4\text{O}_7$ aqueous solutions at temperatures from 283.15 to 363.15 K at 0.1 MPA
P46	Lianying LEI*

	<p><i>Tianjin Key Laboratory of Marine Resources and Chemistry, College of Chemical Engineering and Materials Science, Tianjin University of Science and Technology, China</i></p> <p>Solid-liquid phase equilibria for the aqueous quaternary system (Na⁺, Ca²⁺//Cl⁻, borate - H₂O) at 288.15 K</p>
P47	<p>Huan Wang</p> <p><i>Tianjin Key Laboratory of Marine Resources and Chemistry, College of Chemical Engineering and Materials Science, Tianjin University of Science and Technology, China</i></p> <p>Phase equilibria of the ternary system (MgSO₄ + Mg₂B₆O₁₁ + H₂O) at 288.15, 298.15 and 308.15 K</p>
P48	<p>Ying Liao</p> <p><i>Tianjin Key Laboratory of Marine Resources and Chemistry, College of Chemical Engineering and Materials Science, Tianjin University of Science and Technology, China</i></p> <p>Phase equilibria and physicochemical properties of the aqueous ternary system (NaCl + NaClO₃ + H₂O) at 293.15 K</p>
P49	<p>Xiaolong Gu</p> <p><i>Tianjin Key Laboratory of Marine Resources and Chemistry, College of Chemical Engineering and Materials Science, Tianjin University of Sciences and Engineering, China</i></p> <p>Thermodynamic representation of the properties and phase equilibria for the brine of calcium chloride subtype salt lake</p>
P50	<p>Jing-jing Tang</p> <p><i>Tianjin Key Laboratory of Marine Resources and Chemistry, College of Chemical Engineering and Materials Science, Tianjin University of Sciences and Engineering, China</i></p> <p>Thermodynamic representation of the properties and phase equilibria for the brine of magnesium sulfate subtype salt lakes</p>
P51	<p>Ya-ping Dai</p> <p><i>Tianjin Key Laboratory of Marine Resources and Chemistry, College of Chemical Engineering and Materials Science, Tianjin University of Sciences and Engineering, China</i></p> <p>Thermodynamic representation of the properties and phase equilibria for the brine of chloride-type salt lake</p>
P52	<p>Zhen-qian Wang</p> <p><i>College of Marine and Environmental Sciences, Tianjin University of Science & Technology, China</i></p> <p>Microbial diversity and pigment accumulation of halophilic archaea <i>Haloferax</i> under open culture conditions</p>
P53	<p>Shanyue Wang</p> <p><i>College of Marine and Environmental Sciences, Tianjin University of Science and Technology, China</i></p> <p>Supplementation of halophilic archaea improves <i>Artemia</i> biomass production in hypersaline culture conditions</p>
P54	<p>Long Li *</p> <p><i>College of Chemical Engineering and Materials Science, Tianjin Key Laboratory of Marine Resources and Chemistry, Tianjin University of Science and Technology, China</i></p> <p>Heap capacity of Li₂B₄O₇ solutions at 298.15 K and 0.1 MPA</p>
P55	<p>Wanjing Cui</p>

	<i>College of Chemical Engineering and Materials Science, Tianjin Key Laboratory of Marine Resources and Chemistry, Tianjin University of Science and Technology, China</i> Apparent molar volumes and the pitzer parameters of (Mg₂B₄O₇ + H₂O) system
P56	Kaiyu Zhao <i>College of Chemical Engineering and Materials Science, Tianjin Key Laboratory of Marine Resources and Chemistry, Tianjin University of Science and Technology, China</i> Apparent molar volumes of LiB₅O₈ aqueous solutions at temperatures from 283.15 to 363.15 K at 0.1 MPA

* - here and above, young scientists eligible for award for the best oral or poster talk