

<https://www.icslr2021.es/>

Programme summary	Zoom room 1	Time	Zoom room 2	Time
Monday 18	Opening ceremony	9.00-10.00		
	Session 1 (1)	10:00-11:15 Coffe-break	Session 2	10:00-11:15 Coffee-break
	Session 1 (1)	11:30-14:00 Lunch	Session 2	11:30-14:00 Lunch
	Session 1 (1)	15:30-16:45	Session 2	15:30-18:00
Tuesday 19	Session 1 (1)	09:00-10:40 Coffee break	Session 2	09:00-10:40 Coffee break
	Session 1 (1)	11:00-12:00	Session 3	11:00-13:00 Lunch
	Session 1 (10)	12:00-13:00 Lunch	Session 4	15:30-16:45
Wednesday 20	Session 1 (9)	09:00-12:00 Coffee break	NGO round table	09:00-11:00 Coffee break
	Session 1 (11)	12:15-14:00	Posters	11:30-15:00 Lunch
Thursday 21	Session 6	9:00-12:00 Coffee break	Posters	16:00-19:00
	Session 7	12:15-14:00 Lunch	Session 4	09:00-11:30 Coffee break
	Session 7	15:30-17:30	Session 5	11:45-13:00 Lunch
Friday 22	Session 7	09:00-11:30 Coffee break	Session 5	15:30-18:00
	ICSLR meeting	12:15-14:30 Lunch	Session 5	09:00-10:40 Coffee break
	Closing ceremony	15:30-16:30	Session 5	11:00-12:15 Lunch

Session 1: (1) Geology/Physical geography, (9) Inland lakes in a changing world: anthropogenic and climate change effects on hydrology, chemistry and ecology, (10) Paleolimnology: environmental change recorded by salt lake sediments, (11) Remote sensing and ecosystem modelling to support lake management and decision making

Session 2: (2) Chemistry/Chemical properties

Session 3: (3) Biology

Session 4: (4) Microbiology

Session 5: (5) Ecology and biodiversity

Session 6: (6) Related natural resources and ecosystem services (agriculture, aquaculture, etc.)

Session 7: (7) Conservation, management and heritage, (8) Historical aspects of saline lakes.



Extended programme

The 14th International Conference of the ISSRL (International Society for Salt Lake Research) in Murcia, Spain, will be held entirely online in the week of 18-22 October 2021.

THE TIMETABLE OF THE PROGRAMME IS ACCORDING TO THE MADRID TIMEZONE (SPAIN)

The conference will bring together leading scientists and international experts on saline lakes.

There will be two Zoom rooms for live plenary lectures, live discussions, communications and poster contributions, partnership round table and the International Society for Salt Lake Research meeting. Videos of the communications will be broadcast in the order in which they appear in the programme. After each video, the author(s) will have 10 minutes to answer questions from the audience. Posters in pdf format will be shared in Zoom, the author(s) will be able to explain it and will have time to answer questions from the audience. Each poster will be allocated 15 minutes. Questions to the presenters of the communications can be asked live, via YouTube comments or by writing to the authors' email address in the abstract book. Questions to poster presenters can be asked live or by writing to the authors' email address in the book of abstracts.

The entire conference will be recorded and can be viewed by participants after the end of the conference.

See below for the full conference programme (**Young scientists have been marked in bold**):

Schedule Zoom room 1

Monday 18

Timetable	Time	Event	Title	Lecturer	Nº
9:00-10:00		Opening ceremony	Welcome words from the local organizers and partners, ISSLR board members. Announcement and congratulation of ISSLR Young Scientist Triannual Award winners.	Local authorities / ISSLR	
10:00-10:45	0:45:00	Plenary talk session 1	Linking the past and future creating salinology.	Mianping Zheng	
10:45-11:15	0:30:00	Round table			
11:15-11:30		Coffee break			
11:30-14:00	0:25:00	Communication session 1: (1) Geology/Physical geography	Introduction to the Observation and Research Station of Salt Lakes in Tibetan Plateau	Chuanyong YE, Mianping ZHENG, Yuanyi ZHAO, Lingzhong BU, Jiangjiang YU, Zhen NIE, Wenxi CHEN, Xianhua HOU	018
	0:25:00		Geological Characteristics and Genesis of The Solid Potash Salt Deposit in The No.3 Fault Depression Zone in Northwest Lop Nur, Xinjiang	Li Boyun, Zhang Fankai, Deng Yufei, Yu Yongmei, Dong Lianbing, Li Wenxue, Wang Lingfen, Ma Baocheng	019
	0:25:00		The key constraint conditions for the formation and exploration prospect of fractures and Pore Brine of anticline in Qaidam Basin	Li Hongpu, Pan Tong, Li Dongsheng, Li Degang, Han Guang, Jin Fang, YuanWenhu, JiaJiantuan	022
	0:25:00		Abnormal enrichment mechanism of potassium-rich brine deposit in Lop Nor Basin, Xinjiang Province	Ma Lichun, Wang Kai, Zhang Yu, Tang Qingfeng, Sun Mingguang, Song Gao	023
	0:25:00		Geology and Origin of Dawadi Potassium Nitrate Deposit in Lop Nor, Xinjiang Province, China	Yu Zhang , Lichun Ma, Kai Wang	024
	0:25:00		Classification of salt mineral metallogenic units in Qaidam basin	Pan Tong, Han Guang, Li Hongpu, Li Dongsheng, Jia Jiantuan, Yuan Wenhu	033
14:00-15:30		Lunch			
15:30-16:45	0:25:00	Communication session 1: (1) Geology/Physical geography	Plio-Quaternary global cooling driven Asian inland aridity and salification	Xiaomin Fanga, Zhisheng Anb, Jinbo Zana, Minhui Lia, Erwin Appelc, Zhengguo Shib, Shengli Yangd, Wenxia Hane	035
	0:25:00		Geological and Hydrochemical Characteristics and Material Sources of the Mami Tso Saline Lake Lithium-Boron Deposit in Tibet	Shiyong YU ; Guohua YAO; Yuanyi ZHAO	052
	0:25:00		Study on Large-scale Lithium Mine Base in Zabuye Saline Lake, Tibet	Yuanyi ZHAO; Shiyong YU	053

Schedule Zoom room 1

Tuesday 19

Timetable	Time	Event	Title	Lecturer	Nº
09:00-10:40	0:25:00	Communication session 1: (1) Geology/Physical geography	Hydromagnesite precipitation in the alkaline lake Dujiali, central Tibet Plateau: A natural analogue for carbon storage	Yongjie Lin	076
	0:25:00		New progress in the investigation of lithium-potassium rich brine in northeastern Sichuan Basin, China	XING-Enyuan, ZHANG Yongsheng, ZHENG Mianping, PENG Yuan, GUI Baoling, SU Kui, NIU Xincheng, ZUOFanfan, SHANG Wenjun, MA Qiankun, CUI Xinyu	081
	0:25:00		Geochemical characteristics of the Majiagou Formation in the central-eastern Ordos Basin recorded reciprocating transitions of restricted and open environments	Haitong Zhao , Yongsheng Zhang, Enyuan Xing, Jinhua Luan, Xiong Zhang	083
	0:25:00		The Cenozoic salt tectonics in the Kuqa depression of Tarimu basin and its influence on the hydrocarbon accumulation	Hongwei Yin, Wei Wang, Wenqiao Xu, Gengxiong Yang, Wanhui He	085
10:40-11:00		Coffee break			
11:00-12:00	0:25:00	Communication session 1: (1) Geology/Physical geography	Mineralization Model of Mesozoic Potash Resources in the Simao Basin	Zhongying Miao, Mianping Zheng, Pengcheng Lou, Qihui Xu, Jianming Xu, Linfeng Shi, Xuefei Zhang, Gao Song	098
	0:25:00		Method Innovation of Lithium-bearing Salt Lake and Deep Brine Extraction Technology	Mianping Zheng, Tao Ding , Mingming Li	104
12:00-13:00	0:25:00	Communication session 1: (10) Paleolimnology: environmental change recorded by salt lake sediments	Paleolimnological analysis of metal contamination and eutrophication of Great Salt Lake, Utah	Wayne A. Wurtsbaugh, Katrina A. Moser and Peter R. Leavitt	032
	0:25:00		The Formation Mechanism and Paleoclimate Environmental Evolution of Lop Nur Based on UAV Hyperspectral Platform	Yang Lan, Zhang Tingting, Gong Huaze, Geng Yuyang, Tian Guangjin	054
14:00-15:30		Lunch			

Schedule Zoom room 1

Wednesday 20

Timetable	Time	Event	Title	Lecturer	Nº
09:00-12:00	0:25:00	Communication session 1: (9) Inland lakes in a changing world: anthropogenic and climate change effects on hydrology, chemistry and ecology	Surviving onshore soil microbial communities differ among the Qing-Tibetan lakes with different salinity	Jianrong Huang, Jian Yang , Hongchen Jiang, Geng Wu, Zhanling Xie and Hailiang Dong	004
	0:25:00		N ₂ O producing and consuming bacteria respond differently to ecological drivers in the lakes on the Qinghai-Tibet Plateau	Xiaoxi Sun, Jian Yang , Hongchen Jiang, Beichen Wang	010
	0:25:00		Microbial role in carbon cycling in the saline lakes of the Qinghai-Tibetan Lakes	Hongchen Jiang, Jian Yang	015
	0:25:00		Bicarbonate uptake rates and diversity of RuBisCO genes in saline lake sediments	Beichen Wang , Jianrong Huang, Jian Yang , Hongchen Jiang, Haiyi Xiao, Jibin Han, Xiyang Zhang	025
	0:25:00		The Rozel Point Tar Seeps and its Unique Hypersaline Environment at Great Salt Lake, Utah USA	Cayla Martin, Greg McDonald, and Jaimi K. Butler	029
	0:25:00		Effects of WWTP discharges on the carbon metabolic rates and greenhouse gases emissions of temporary saline lagoons	Daniel Morant , Carlos Rochera, Antonio Picazo, Alba Camacho-Santamans, Javier Miralles-Lorenzo & Antonio Camacho	110
	0:25:00		Input of allochthonous and autochthonous organic matter stimulates microbial mineralization of organic carbon in the lake sediments with different salinity	Mingxian Han, Jian Yang , Hongchen Jiang	118
12:00-12:15		Coffee break			
12:15-14:00	0:25:00	Communication session 1: (11) Remote sensing and ecosystem modelling to support lake management and decision making	Geo-spatial modelling to prioritize restoration opportunities of the evanescent largest Saline Wetland Ecosystem (Sambhar Lake) of India	Rajashree Naik and Laxmi Kant Sharma	001
	0:25:00		Spatial heterogeneity of surface water temperature in the hypersaline Dead Sea	Pavel Kishcha and Boris Starobinets	006
	0:25:00		Ecological status analysis of Mar Menor through Remote Sensing	Pedro Escudero Lozano , Daniel Ibarra Marinas and Diana Hernández Mármol	008
	0:25:00		Land cover and uses classification cartography within the Mar Menor coastal lagoon basin	Carmen Valdivieso-Ros, Francisco Alonso-Sarría, Francisco Gomariz-Castillo	045
14:00-15:30		Lunch			

Schedule Zoom room 1

Thursday 21

Timetable	Time	Event	Title	Lecturer	Nº
9:00-9:45	0:45:00	Plenary talk session 6	Natural resources and ecosystem services of salt lakes in southeast Spain: from conventional uses to innovative solutions in the face of persistent and emerging threats	Francisco Robledano	
9:45-10:15	0:30:00	Round table			
10:15-12:00	0:25:00	Communication session 6: (6) Related natural resources and ecosystem services (agriculture, aquaculture, etc.)	Managing Lake Urmia, Iran for diverse restoration objectives: Moving beyond a uniform target lake level	Somayeh Sima, David E. Rosenberg b, Wayne A. Wurtsbaugh, Sarah E. Null, Karin M. Kettenring	040
	0:25:00		Exploration and Characterization of Artemia Resource in Tibet Salt Lakes and their Utilization in aquaculture	Sui Liying Gao Meirong Han Xuekai Duan Hu Wang Zhenqian Zhang Bo	055
	0:25:00		Listening to the Landscape: Connecting people to salt lake country, a case study at Weeweera (Lake George) NSW	Peri Coleman	058
	0:25:00		Rapid Assessment of Ecosystem Services of the Sambhar Salt Lake, India	Kulshreshtha Seema and Reddy G. V.	071
12:00-12:15		Coffee break			
12:15-13:00	0:45:00	Plenary talk session 7	The future of Salt Lakes is in our hands: A diverse and dynamic approach to study and protect Mar Chiquita, an immense lake in the heart of Argentina.	Lucila Castro	
13:00-13:30	0:30:00	Round table			
13:30-14:00	0:25:00	Communication session 7: (7) Conservation, management and heritage.	Conservation and management strategies for inland saline wetlands of Thar deserts in the light of UN Decade of Ecosystem Restoration	Laxmi Kant Sharma	002
14:00-15:30		Lunch			
15:30-17:35	0:25:00	Communication session 7: (7) Conservation, management and heritage.	A method to sample and treat salt and brine samples for plastic pollution testing	Ana Claudia Fegies, Cristina Espinosa de los Monteros López, María Balbás de la Fuente, Carlos Morales Polo, Raquel Caro Carretero, Katia Hueso Kortekaas, M ^a del Mar Cledera Castro	013
	0:25:00		The Smelly, the Slimy and the Salty: a Model for Connecting People to our Unique Saline Lakes	Jaimi Butler	028
	0:25:00		The likely status of inland salt lake ecosystems in 2050: Reminiscing and revisiting Bill Williams	Francisco A. Comín	038
	0:25:00		A certificate system for salt production in solar evaporation salinas	Katia Hueso Kortekaas, Renato Neves, Gustavo Ballesteros Pelegrín	051
	0:25:00		Tracing hypersaline lagoonal decline: Finding the first ecological domino and why it is important	Faith S Coleman	067

Schedule Zoom room 1

Friday 22

Timetable	Time	Event	Title	Lecturer	Nº
9:00-11:30	0:25:00	Communication session 7: (7) Conservation, management and heritage.	Environmental recovery of old salt ponds: the case of the "Coterillo pond" in the salt ponds of San Pedro del Pinatar (Murcia, Spain).	Diana Hernández Mármol , Gustavo A. Ballesteros Pelegrín, A. Daniel Ibarra Marinas, Antonio Zamora Parra , Pedro Escudero Lozano , Francisco Belmonte Serrato.	101
	0:25:00		Management of inland saline lakes: a key factor in their climate regulation capacity	Alba Camacho-Santamans & Daniel Morant	112
	0:25:00	Communication session 7: (8) Historical aspects of saline lakes.	Since when were saltern crystallizer brines colored red?	Aharon Oren	007
	0:25:00		A microbial history of a changing Great Salt Lake	Bonnie K. Baxter	027
	0:25:00		Historical location and evolution of Lop Nor based on SAR maps and DEM	ZHANG Tingting, SHAO Yun, GENG Yuyang, GONG Huaze	046
	0:25:00		The 5000-year development history of Yuncheng Salt Lake—A study	Guohong Zhang	082
11:30-12:15		Coffee break			
12:15-14:30		ISSLR general meeting of all society members	Annual reports from the President, the Editor, Secretary/Treasurer of the Society. Nominations for the new Board members and for the place of the next ISSLR conference. Discussion on the future of the Society. The meeting is open for all conference participants and all registered society members.		
14:30-15:30		Lunch			
15:30-16:30		Closing ceremony	Announcement of the Bill Williams award winners for the best oral and poster talks. Farewell words. On-line drinking at the end is welcomed.		

Schedule Zoom room 2

Monday 18

Timetable	Time	Event	Title	Lecturer	Nº
10:00-10:45	0:45:00	Plenary talk Winner of the Best Paper Award session 2	Mineral precipitation sequences and brine evolution of Asian saline lakes	Marina N. Kolpakova	
10:45-11:15	0:30:00	Round table			
11:15-11:30		Coffee break			
11:30-14:00	0:25:00	Communication session 2: (2) Chemistry/Chemical properties	Mercury Bioaccumulation and Biomagnification in Great Salt Lake, Utah, USA	Abigail F. Scott , Frank J. Black	036
	0:25:00		Origin and circulation of springs based on hydrochemistry and water isotopes (O,H,3H) in Nangqen and Changdu basin, Southwestern China	Xiwei Qin , Haizhou Ma, Xiyang Zhang, Xiasong Hu, Guorong Li, Huaide Chen, Jibin Han, Yongshou Li, Weiliang Miao, Wenhua Han, Sha Yang, Qian Song and Mei Wu	039
	0:25:00		Efficient utilization of potassium and lithium resources in sulfate salt-lake: system engineering, state prediction and precise process control of salt-ponds	Huan Zhou , Qing Hao, Meng li Zhang, Pan Ping Xia, Feng dan Wei, Si Wu	049
	0:25:00		Electrochemical controlled selective extraction of lithium from brine	Xiaoyu Zhao , Yanfei Wang	057
	0:25:00		New Progress in Lithium Extraction Technology for the Salt Lake Resources	Wang Zhiqiang, Feng Zhijun	059
	0:25:00		Characterization of dissolved organic matter in the hypersaline Da Qaidam Lake in Qinghai Tibet Plateau and its change in solar ponds by using a multi-analytical approach	Yaoling Zhang, Keli Yang, Wu Li, Yaping Dong	060
14:00-15:30		Lunch			
15:30-18:00	0:25:00	Communication session 2: (2) Chemistry/Chemical properties	Capture of lithium by water-insoluble particles in salt lake	Huaigang Cheng, Yan Li, Jin Kang, Enze Li, Fangbin Xue, Fangqin Cheng	061
	0:25:00		Removal of magnesium components from high-magnesium salt-water system in a temperature-changing process	Huaigang Cheng, Jiaoli Gao, Enze Li, Jin Kang, Fangbin Xue, Fangqin Cheng	062
	0:25:00		Thermodynamic properties and volumetric properties of the aqueous borates containing lithium and cesium ions in the salt lake brine system: heats of dissolution, dilution, mixing, osmotic coefficients, water activities, and the applications of ion-interaction model	Kangrui Sun, Fei Yuan, Long Li, Yafei Guo and Tianlong Deng	066
	0:25:00		Phase Equilibria of the System RbCl+CsCl+PEG+H ₂ O at 288.2, 298.2, and 308.2 K	Yu Xudong, Wang Lin, Huang Qin, Li Maolan, Zeng Ying	075
	0:25:00		Thermodynamic properties and volumetric properties of the aqueous borates containing lithium and cesium ions in the salt lake brine system: heats of dissolution, dilution, mixing, osmotic coefficients, water activities, and the applications of ion-interaction model	Kangrui Sun, Fei Yuan, Long Li, Yafei Guo and Tianlong Deng	077
	0:25:00		Phase Equilibria of Salt-Water System Focused on Qaidam Basin Magnesium Sulfate Type Salt Lake Brine at 298.2 and 323.2 K	Zeng Ying, Feng Shan, Liao Shuang, Ye Guozhen, Luo Jian, Lv Na, Yu Xudong	080

Schedule Zoom room 2

Tuesday 19

Timetable	Time	Event	Title	Lecturer	Nº
09:00-10:40	0:25:00	Communication session 2: (2) Chemistry/Chemical properties	Dissolution enthalpies and the thermodynamic properties of sodium metaborates	Fei Yuan, Long Li, Yafei Guo, Shiqiang Wang and Tianlong Deng	088
	0:25:00		Isopestic investigation and Pitzer thermodynamic model of lithium borates aqueous system	Kaiyu Zhao, Yafei Guo, Lingzong Meng and Tianlong Deng	089
	0:25:00		Volumetric properties of the ternary system (CsCl + Cs ₂ SO ₄ + H ₂ O) and its subsystems from 283.15 to 363.15 K and atmospheric pressure: Experimental and thermodynamic model	Kangrui Suna, Ziwei Bia, Yanqin Menga, Yafei Guoa, Lingzong Mengb, Tianlong Deng	090
10:40-11:00		Coffee break			
11:00-11:45	0:45:00	Plenary talk Winner of the best paper award session 3	Quantifying nutrient inputs by gulls to a fluctuating lake, aided by movement ecology methods	Víctor Martín Vélez	
11:45-12:15	0:30:00	Round table			
12:15-13:05	0:25:00	Communication session 3: (3) Biology	Viability and Hatchability of Brine Shrimp (<i>Artemia franciscana</i>) Cysts after Passing Through the Digestive System of Eared Grebes	Michael R. Conover	011
	0:25:00		Research progress of application of saline Cladocera in aquatic ecotoxicology	Wen Zhao, Xingye Qiao, Dongpeng Yin	064
14:00-15:30		Lunch			
15:30-16:15	0:45:00	Plenary talk session 4 Microbiology	Carbon cycle and greenhouse gases exchange in saline lakes: insights to microbiota	Antonio Camacho	
16:15-16:45	0:30:00	Round table			

Schedule Zoom room 2

Wednesday 20

Timetable	Time	Event	Title	Lecturer	Nº
09:00-11:00		NGO round table	Association of Naturalists of the Southeast, La Carraca Association, Calblanque Association, Global Nature Foundation, IPAISAL Projects: LIFE Salinas (LIFE17 NAT/ES/000184) and LIFE Invasaqua (LIFE17 GIE/ES/000515)		
11:00-11:30		Coffee break			
11:30-15:00	0:15	Poster session: (1) Geology/Physical geography, (9) Inland lakes in a changing world and (10) Paleolimnology: environmental change recorded by salt lake sediments	Origin and evolution of halite in the Lanping-Simao Basin of southeastern Tibetan Plateau, China: Evidence from the stable isotope of ^{37}Cl , $^{87}\text{Sr}/^{86}\text{Sr}$	Shaorong Du , Mianping Zheng	037
	0:15		Visualization study on spatial structure change of Brine Aquifer in Luobei Depression mining area based on GMS	Lingfen Wang, Yongmei Yu, Boyun Li, Fankai Zhang, Yufei Deng, Wenxue Li, Xu Han, He Qin	041
	0:15		Significant Progress Made in Deep Brines potassium-bearing in continental basins in China	Hou Xianhua	070
	0:15		A new direction for marine potash prospecting: Xiali formation of Jurassic of Qiangtang basin in Tibet, China	Xinsheng Niu, Xifang Liu, Mianping Zheng, Wenxi Chen	078
	0:15		The macroscopic and microscopic characteristics of the new type of polyhalite potassium salt ore and its implications for mineralization : A new record from the CXD1 well in the northeast of Sichuan	Fanfan Zuo , Yongsheng Zhang, Mianping Zheng	079
	0:15		Correlation scheme research between Late Quaternary evaporite deposition period and glaciation period of the saline lake in Qaidam Basin	Andong Chen	093
	0:15		Chemical Analysis of Water and the Resource of Br, K prospects of Oilfield Brines from Ordovician and Carboniferous in Tarim, China	Su Kui, Zheng Mianping	094
	0:15		A new understanding of boundary fault which controls formation of potassium sag in Majiagou Period of Ordovician in the eastern margin of Ordos Basin	Baoling Gui, Yongsheng Zhang , Enyuan Xing, Yuan Peng , Fanfan Zuo , Haitong Zhao , Yahui Mao, Suyang Jiang	095
	0:15		Study on the mineral composition of modern Tufa in Zabuye Salt Lake, Tibet	ZHANG Xuefei	102
	0:15		Towards the protection to two inland saltern ecosystems in the Alto Vinalopó Valley, Spain	Rosa María Martínez-Espinosa	114
	0:15	Origins of the Potash deposits in the Lanping-Simao Basin, western China, the Khorat Basin in Thailand and the Sakon Nakhon Basin (SNB) in Laos	Minghui Lia, Maodu Yana, Shurui Suna, Xiaomin Fang , Zengjie Zhangd, Jiao Lia	047	
	0:15	Poster session (2): Chemistry/Chemical properties	Thermodynamic modeling and phase diagram prediction of chloride type and sulfate type salt-lake brine systems	Qing Hao, Huan Zhou , Si Wu, Meng li Zhang, Pan Ping Xia	050
	0:15		Directional separation of solid waste in salt lakes	Huaigang Cheng, Jingyi Yang, Aniu Qian, Fangbin Xue, Enze Li, Fangqin Cheng	063
	0:15		Selective recovery of strontium from oilfield water by ion-imprinted alginate microspheres modified with thioglycolic acid	Can Liu, Xiaoping Yu, Chi Ma, Yafei Guo, Tianlong Deng	086
15:00-16:00		Lunch			

16:00-19:00	0:15		Salt Lake Research and Salt Chemical Analysis	WU Qian, ZHENG Mian-ping, BU Ling-zhong, YU Jiang-jiang	092
	0:15	Poster session (2): Chemistry/Chemical properties	Refining study of Dalangtan deep brine by freezing and solarization in Qaidam basin	Wu zhiming, Wang gang, Nie zhen, Wang yunsheng, Zheng mianping	105
	0:15		Solvent Thermal Synthesis of high-Performance Copper Hexacyanoferrate for Cs ⁺ Removal from the Salt Lake	Chi Ma, Zhenzhen Jiang, Senjian Han, Tianlong Deng , Yafei Guo	108
	0:15		Volume Properties for the Aqueous Solution of Yttrium Trichloride at Temperatures from 283.15 to 363.15 K and Ambient Pressure	Zhenzhen Jiang, Chi Ma, Gaoling Liu, Kangrui Sun, Mingli Li, Yafei Guo, Lingzong Meng, Tianlong Deng	109
	0:15	Poster session (4): Microbiology	Abundant and novel taxa in the microbial community of soda-saline lakes in Inner Mongolia	Dahe Zhao , Shengjie Zhang, Qiong Xue, Heng Zhou, Jian Zhou, Hua Xiang	017
	0:15		Bioprospecting on antimicrobial activity and diversity of soil-derived actinobacteria from different depth in one site of Lake Gudzhirganskoe in Siberia	Qin Yang , Puyu Guo, Elena Abidueva, Di Liu, Irina M. Lisevich, Ilya A. Osterman, Petr V. Sergiev, Olga A. Dontsova, Hanwen Zhang, Xiaojing Zhou, Qinpei Lu, Shaowei Liu, Feina Li, Xiaojun Li, Xinxin Hu, Xuefu You, Chunmei Xue and Chenghang Sun	043
	0:15		Potential biotechnological uses of microbes inhabiting Pink Lagoon, Torrevieja, Alicante.	Rosa María Martínez-Espinosa and Guillermo Martínez-Martínez	115
	0:15	Poster session (5): Ecology and Biodiversity	Some features of the biotopic diversity of microbial communities of the meromictic soda Lake Doroninskoye (Zabaikalie)	Evgeniya Matyugina, Natalia Belkova	042
	0:15		The role of cyanobacteria in nitrogen fixation of phototrophic communities in the Kulunda Steppe soda lakes (Altai Region, Russia)	Samylina O. S., Namsaraev Z. B., Tourova T. P., Sorokin D. Y.	056
	0:15		Microbial and Planktonic Biodiversity in Tibetan Salt lakes	Gao Meirong	111
	0:15	Session 6: (6) Related natural resources and ecosystem services (agriculture, aquaculture, etc.)	LIFE INVASAQUA: Raising Awareness and Preventing Aquatic Invasive Alien Species in the Iberian Peninsula	López-Cañizares, C, Olivo del Amo, R., Guillén, A., Torralva, M., Ruiz-Navarro, A., Oliva-Paterna, F.J.	117
	0:15	Poster session (7): Conservation, management and heritage	Researching the archaeological and ecological heritage of the Central Italian Tyrrhenian coast	Luca Alessandri, Peter A. J. Attema, Jan Sevink	014

Schedule Zoom room 2 Thursday 21

Timetable	Time	Event	Title	Lecturer	Nº
9:00-11:30	0:25:00	Communication session 4: (4) Microbiology	Changes of microbial mineralization and community composition in response to multiple levels of grass organic matter addition in a hypersaline lakes	Jian Yang, Hongchen Jiang, Wen Liu, Liuqin Huang, Jianrong Huang, Beichen Wang , Hailiang Dong, Rosalie K. Chu, and Nikola Tolic	005
	0:25:00		Great Salt Lake on exhibit: The ArtScience of Winogradsky columns	Anna Jackson, Sierra Watson and Bonnie K. Baxter	026
	0:25:00		Characterization of Halophyte Rhizosphere Microbiomes at Great Salt Lake, Utah	David L. Parrott	030
	0:25:00		Fresh, soda and saline: the effect of salinity and water chemical types on bacterial community composition based on global data	Attila Szabó , Emil Boros, Zsuzsanna Márton , Zsófia Horváth, Csaba Vad, Tamás Felföldi and Anna J. Székely	031
	0:25:00		Seasonal patterns and trophic relationships of planktonic eukaryotes in soda pans	Zsuzsanna Márton , Attila Szabó , Bianka Csitári, Zsófia Horváth, Emil Boros, Tamás Felföldi, Anna J. Székely	034
	0:25:00		Estimating Primary Productivity in Great Salt Lake, Utah	Eric C. Dunham , Elizabeth M. Fones, Joel Carpenter, Bonnie K. Baxter, Eric S. Boyd	073
11:30-11:45		Coffee break			
11:45-12:30	0:45:00	Plenary talk session 5: (5) Ecology and biodiversity	Research across scales to understand impacts of salinization on ecology of inland freshwater lakes	Meryem Becioglu	
12:30-13:00	0:30:00	Round table			
14:00-15:30		Lunch			
15:30-18:00	0:25:00	Communication session 5: (5) Ecology and biodiversity	Metabarcoding under salt: microbial ecology of five hypersaline lakes at Rottneest Island (WA, Australia)	Mattia Saccò, Nicole E. White, Matthew Campbell, Sebastian Allard, William F. Humphreys, Paul Pringle, Farid Sepanta, Alex Laini, Morten Allentoft	009
	0:25:00		Impact of Eared Grebes on the Population of Brine Shrimp in Great Salt Lake, Utah, USA	Michael R. Conover and Leah M. Delahoussaye	012
	0:25:00		Flight wing size variation across a geographical range in Pogonus diplochaetoides (Coleoptera: Carabidae: Pogonini)	Peter HUDSON, Mark STEVENS	016
	0:25:00		Phylogeography of Branchinecta media (Schmankewitsch, 1873) (Branchiopoda: Anostraca), a species adapted to hypersaline aquatic habitats	Lucía Sainz-Escudero , Silvia Perea, Paula C. Rodríguez-Flores, Mario García-París	021
	0:25:00		Systematization of the Biodiversity of Crustaceans and Molluscs of the Aral Sea	Nikolai V. Aladin, Miguel Alonso, Igor S. Plotnikov, and Alexey O. Smurov	048
	0:25:00		Stress promoted facilitation in microbial communities? Increasing saline stress reduces co-exclusions while co-occurrences remain stable	Mateu Menéndez-Serra, Vicente J. Ontiveros, Albert Barberan, Emilio O. Casamayor	065

Schedule Zoom room 2 Friday 22

Timetable	Time	Event	Title	Lecturer	Nº
09:00-10:40	0:25:00	Communication session 5: (5) Ecology and biodiversity	Evolution patterns of two tribes of tiger beetles (Coleoptera: Cicindelidae) in Australian salt lakes	Alejandro López-López, Peter Hudson, José Galián	068
	0:25:00		Glacial refuges and cryptic speciation in the Palearctic tiger beetle <i>Calomera littoralis</i> (Coleoptera: Cicindelidae)	Alejandro López-López, Nicolás Torres-Mantelet, José Galián, Trinidad León-Quinto	069
	0:25:00		Microbial diversity of hypersaline colorful salt ponds in Yuncheng salt lake, Shanxi Province, China	Fanjing Kong, Liwei Wang, Mianping Zheng	072
	0:25:00		Environmental variables influencing abundance of two congeneric water beetles species from supratidal rockpools	García-Meseguer AJ , Mirón-Gatón JM, Botella-Cruz M, Millán A, & Velasco J	106
10:40-11:00		Coffee break			
11:00-12:15	0:25:00	Communication session 5: (5) Ecology and biodiversity	Taxonomic diversity of extremophilic microbial communities in the salt lakes of the Barguzin depression (Baikal rift zone) in relation to the geochemical conditions	E V Lavrentyeva, T G Banzaraksaeva, V B Dambaev, L P Kozyreva, A A Radnagurueva, AM Plyusnin & D D Barkhutova	107
	0:25:00		Ecological status, ecosystem services and threats to saline lakes: global analysis of 68 lakes.	Egor Zadereev, Ramesh Oliver Wilson, Ors Abram, Ekaterina Afonina, Tania Anderson, Elena Anufrieva, Balgit Bazarova, Yuriy Bazhenov, Svetlana Borzenko, Luciana Gomes Barbosa, Bonnie Baxter, Emil Boros, Enrique H. Bucher, Antonio Camacho, Alba Camacho-Santamans, Emilio O Casamayor, Rick Cavicchioli, Peri Coleman, Florencia Colla, Bindy Datson, Maria Farias, Tadesse Fetahi, Larisa Golovatuk, Evgenia Gorlacheva, Peter Hudson, Katia Hueso, Irina Kalioujnaia, Bakhtiyor Karimov, Mills Keely, Ilga Kokorite, Anastasia Komova, Lothar Krienitz, Seema Kulshreshth, Ron Larson, Oksana Lipka, Tatiana Lopatina, Evgenia Matugina, Quentin Mauvisseau, John Melack, Daniel Morant , Edmundo Moreno, Zorigto Namsaraev, Aharon Oren, Sandra Poikane, Christopher Rogers, David Ryves, Marta Sanchez, Anna C. Santamans, Michael Schagerl, Elena Selivanova, Nickolai Shadrin, Somayeh Sima, Natalya Tashlykova, Katrin Teubner, Brian Timms, Svetlana Ulanova, Wayne Wurtsbaugh, Thomas Zechmeister, Alfred Burian	113
	0:25:00		Demonstration of comprehensive utilization of Ecological Agriculture in Dry Salt Lake	Chunyin Zhang	116
14:30-15:30		Lunch			