



X International Antarctic Conference
dedicated to the 25th Anniversary of raising of
the National Flag of Ukraine at Ukrainian
Antarctic Akademik Vernadsky station
May 11–13, 2021
Kyiv, Ukraine

X Міжнародна Антарктична конференція,
присвячена 25-річчю підняття Державного
прапора України на Українській
антарктичній станції “Академік
Вернадський”
м. Київ, Україна
11-13 травня 2021 р.

<p>May 11, 2021 Tuesday 09.00 – 13.20 UTC (Kyiv UTC + 3)</p> <p>ONLINE CONFERENCE</p>	
<p>Welcome and roll call</p>	<p>08.45-09.00 UTC</p>
<p>OPENING. PLENARY MEETING</p> <p>Chairperson: Evgen Dykyi, Andriy Fedchuk</p>	
<p>Welcome Addresses</p>	
<p>09.00-09.40 UTC</p>	
<p>Evgen Dykyi Director of the State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine</p>	<p>09.00-09.10 UTC</p>
<p>Serhiv Shkarlet Minister of Education and Science of Ukraine</p>	<p>09.10-09.20 UTC</p>
<p>Roman Hryshchuk Member of the Committee of Education, Science and Innovation, the Verkhovna Rada of Ukraine (Ukrainian Parliament)</p>	<p>09.20-09.30 UTC</p>
<p>Vitalii Tsymbaliuk Chargé d'Affaires of Ukraine to the Republic of Chile</p>	<p>09.30-09.40 UTC</p>
<p>Plenary reports:</p>	
<p>09.40-13.20 UTC</p>	
<p>1 <u>Azizan Abu Samah</u>¹, Nasaruddin Rahman² ¹Founding Member, Sultan Mizan Antarctic Research Foundation, Kuala Lumpur, Malaysia; ²Chief Executive Officer, Sultan Mizan Antarctic Research Foundation, Kuala Lumpur, Malaysia MALAYSIAN STRATEGIES IN SUSTAINING POLAR RESEARCH: ROLE OF SULTAN MIZAN ANTARCTIC RESEARCH FOUNDATION</p>	<p>09.40-10.00 UTC</p>

2	Peter Convey <i>British Antarctic Survey, Natural Environment Research Council, United Kingdom</i> ISLANDS IN THE ICE: THE PAST, PRESENT AND FUTURE OF ANTARCTICA'S UNIQUE TERRESTRIAL BIODIVERSITY	10.00-10.20 UTC
3	<u>Y.M. Yampolski</u> ¹ , O.V. Koloskov ^{1,2} , O.V. Budanov ¹ ¹ <i>Institute of Radio Astronomy of National Academy of Sciences of Ukraine, Kharkiv,</i> ² <i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i> LONG-TERM INVESTIGATIONS OF GLOBAL LIGHTNING ACTIVITY FROM THE UKRAINIAN ANTARCTIC STATION (REVIEW)	10.20-10.40 UTC
4	CURRENT STATE AND PERSPECTIVE ON ANTARCTIC RESEARCH <u>I.A. Kozeretska</u> ¹ , I.Yu. Parnikoza ^{1,2} , D. Pishniak ¹ , V.M. Malanchuk ¹ , E.O. Dykyi ¹ ¹ <i>State Institution National Antarctic Scientific Center Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> ² <i>Institute of Molecular Biology and Genetics, National Academy of Sciences of Ukraine</i>	10.40-11.00 UTC
5	<u>A.P. Fedchuk</u> , V.V. Savchenko <i>State Institution National Antarctic Scientific Center, Kyiv, Ukraine</i> THE ROLE OF AKADEMIK VERNADSKY STATION IN THE DEVELOPMENT OF UKRAINE IN THE ANTARCTIC TREATY SYSTEM	11.00-11.20 UTC
6	<u>I.Yu. Parnikoza</u> ^{1,2} , H.V. Yevchun ¹ , A.P. Fedchuk ¹ ¹ <i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i> ² <i>Institute of Molecular Biology and Genetics, National Academy of Sciences of Ukraine, Kyiv</i> SYSTEMATIC CONSERVATION PLANNING FOR THE NEW PROPOSED ANTARCTIC SPECIALLY PROTECTED AREA "ARGENTINE ISLANDS AND KYIV PENINSULA REGION"	11.20-11.40 UTC
7	D.V. Cheberkus <i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i> BIBLIOMETRIC ANALYSIS OF UKRAINIAN ANTARCTIC RESEARCH PROGRAM 2011-2020	11.40-12.00 UTC
8	V.M. Malanchuk, O.V. Denysiuk, <u>O.M. Pnyovska</u> <i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i> OPTIMIZATION OF EDITORIAL AND PUBLISHING PROCESS OF SCIENTIFIC PROFESSIONAL EDITION "UKRAINIAN ANTARCTIC JOURNAL"	12.00-12.20 UTC
9	<u>S.-R. Zhang</u> ¹ , A.J. Coster ¹ , L.P. Goncharenko ¹ , P.J. Erickson ¹ , E. Aa ¹ , A.V. Zalizovski ^{2,3} , A.V. Koloskov ^{2,4} , Y.M. Yampolski ² , E.M. Zanimonsky ² , T. Dang ⁵ , J. Lei ⁵ , W. Wang ⁶ ¹ <i>Haystack Observatory, Massachusetts Institute of Technology, Westford, MA, USA</i> ² <i>Institute of Radio Astronomy of NAS of Ukraine, Kharkiv</i> ³ <i>Space Research Centre of Polish Academy of Sciences, Warsaw, Poland</i> ⁴ <i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i> ⁵ <i>CAS Key Laboratory of Geospace Environment, University of Science and Technology of China, Hefei, China</i> ⁶ <i>High Altitude Observatory, National Center for Atmospheric Research, Boulder, CO, USA</i> GEOSPACE IMPACT OF THE 2021 SOLAR ECLIPSES IN POLAR REGIONS	12.20-12.40 UTC
10	Ari S. Friedlaender <i>Institute for Marine Sciences, Department of Ocean Sciences, University of California Santa Cruz, USA</i> FORAGING ECOLOGY AND POPULATION DEMOGRAPHY OF RECOVERING HUMPBACK WHALES AROUND THE ANTARCTIC PENINSULA: A MULTI-NATIONAL, COLLABORATIVE RESEARCH PROGRAM	12.40-13.00 UTC
11	D. Bromwich <i>The Ohio State University, Ohio, USA</i> AN OVERVIEW OF THE YEAR OF POLAR PREDICTION IN THE SOUTHERN HEMISPHERE (YOPP-SH) AND ITS ACHIEVEMENTS	13.00-13.20 UTC

May 12, 2021
Wednesday
06.00 – 15.40 UTC
(Kyiv UTC + 3)

LIFE SCIENCES SESSION

Chairpersons: Ivan Parnikoza, Iryna Kozeretska

1	<p><u>S.A. Ahmad</u>¹, C. Gomez-Fuentes², A. Zulkharnain³, P. Convey⁴ ¹<i>Department of Biochemistry, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, Selangor, Malaysia</i> ²<i>Department of Chemical Engineering, Universidad de Magallanes, Punta Arenas, Chile</i> ³<i>Department of Bioscience and Engineering, College of Systems Engineering and Science, Shibaura Institute of Technology, Saitama, Japan</i> ⁴<i>British Antarctic Survey, NERC, Cambridge, UK</i> THE APPLICATION OF ANTARCTIC MICROORGANISM ON HYDROCARBON BIOREMEDIATION PROCESS</p>	06.00-06.20 UTC
2	<p><u>S.U. Aminu</u>¹, F. Merican¹, W.O. Wan Maznah¹, P. Broady², P. Convey³ ¹<i>School of Biological Sciences, Universiti Sains Malaysia, Penang, Malaysia</i> ²<i>School of Biological Sciences University of Canterbury New Zealand</i> ³<i>British Antarctic Survey, NERC, Cambridge, UK</i> ANTARCTIC CYANOBACTERIA RESPONSE TO SALT STRESS</p>	06.20-06.40 UTC
3	<p><u>S. Darham</u>¹, S.A. Ahmad¹, A. Zulkharnain², S. Sabri³, C. Gomez-Fuentes⁴, K.A. Khalil⁵, P. Convey⁶ ¹<i>Department of Biochemistry, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, Selangor, Malaysia</i> ²<i>Department of Bioscience and Engineering, College of Systems Engineering and Science, Shibaura Institute of Technology, Saitama, Japan</i> ³<i>Department of Microbiology, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, Selangor, Malaysia</i> ⁴<i>Department of Chemical Engineering, Universidad de Magallanes, Punta Arenas, Chile</i> ⁵<i>School of Biology, Faculty of Applied Sciences, Universiti Teknologi MARA, Selangor, Malaysia</i> ⁶<i>British Antarctic Survey, NERC, Cambridge, UK</i> STATISTICAL OPTIMISATION OF MOLYBDENUM REDUCTION USING PSYCHROTOLERANT MARINE BACTERIA ISOLATED FROM ANTARCTICA</p>	06.40-07.00 UTC
4	<p><u>R. Radzi</u>¹, P. Broady², P. Convey³, W. M. W. Omar¹, F. Merican¹ ¹<i>School of Biological Science, Universiti Sains Malaysia, Penang, Malaysia</i> ²<i>Biological Science, University of Canterbury, Christchurch, New Zealand</i> ³<i>British Antarctic Survey, NERC, Cambridge, United Kingdom</i> DIVERSITY OF TERRESTRIAL CYANOBACTERIA FROM SELECTED HABITATS ON SIGNY ISLAND, SOUTH ORKNEY ISLANDS, ANTARCTICA</p>	07.00-07.20 UTC
5	<p><u>A.F.A. Roslee</u>¹, S.A. Ahmad¹, C. Gomez-Fuentes², A. Zulkharnain³, N.A. Shaharuddin¹, K.A. Khalil⁴, P. Convey⁵ ¹<i>Department of Biochemistry, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, Selangor, Malaysia</i> ²<i>Department of Chemical Engineering, Universidad de Magallanes, Punta Arenas, Chile.</i></p>	07.20-07.40 UTC

	<p>³Department of Bioscience and Engineering, College of Systems Engineering and Science, Shibaura Institute of Technology, Saitama, Japan</p> <p>⁴School of Biology, Faculty of Applied Sciences, Universiti Teknologi MARA, Selangor, Malaysia.</p> <p>⁵ British Antarctic Survey, NERC, Cambridge, United Kingdom</p> <p>GROWTH OPTIMISATION AND KINETIC PROFILING OF DIESEL BIODEGRADATION BY A COLD-ADAPTED BACTERIAL CONSORTIUM ISOLATED FROM TRINITY PENINSULA, ANTARCTICA</p>	
6	<p><u>K. Sato</u>¹, S.A. Ahmad², A. Zulkharnain¹</p> <p>¹Department of Bioscience and Engineering, College of Systems Engineering and Science, Shibaura Institute of Technology, Saitama, Japan</p> <p>²Department of Biochemistry, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, Selangor, Malaysia</p> <p>ISOLATION OF POLYLACTIC ACID (PLA)-DEGRADING BACTERIUM FROM ANTARCTIC SOIL</p>	07.40-08.00 UTC
7	<p><u>K.N.M. Zahri</u>¹, S.A. Ahmad¹, S. Sabri², A. Zulkharnain³, C. Gomez-Fuentes⁴, K.A. Khalil⁵, P. Convey⁶</p> <p>¹Department of Biochemistry, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, Selangor, Malaysia</p> <p>²Department of Microbiology, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malay-sia, Selangor, Malaysia.</p> <p>³Department of Bioscience and Engineering, College of Systems Engineering and Science, Shibaura Institute of Technology, Saitama, Japan.</p> <p>⁴Department of Chemical Engineering, Universidad de Magallanes, Punta Arenas, Chile</p> <p>⁵School of Biology, Faculty of Applied Sciences, Universiti Teknologi MARA, Selangor, Malaysia.</p> <p>⁶British Antarctic Survey, NERC, Cambridge, UK</p> <p>BIODEGRADATION OF WASTE CANOLA OIL (WCO) AND PURE CANOLA OIL (PCO) BY AN ANTARCTIC BACTERIAL COMMUNITY</p>	08.00-08.20 UTC
8	<p><u>N.N. Zakaria</u>¹, S.A. Ahmad¹, C. Gomez-Fuentes², A. Zulkharnain³, S. Sabri⁴, N.A. Shahrudin⁵, P. Convey⁶</p> <p>¹Department of Biochemistry, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, , Selangor, Malaysia</p> <p>²Department of Chemical Engineering, Universidad de Magallanes, Punta Arenas, Chile.</p> <p>³Department of Bioscience and Engineering, College of Systems Engineering and Science, Shibaura Institute of Technology, Saitama, Japan</p> <p>⁴Department of Microbiology, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, Selangor, Malaysia</p> <p>⁵British Antarctic Survey, NERC, Cambridge, UK</p> <p>HYDROCARBON-DEGRADING BACTERIAL COMMUNITY PRESENT IN NON-CONTAMINATED ANTARCTIC SEAWATER</p>	08.20-08.40 UTC
9	<p><u>Syazana Zaki</u>¹, Faradina Merican¹, Narongrit Muangmai², Peter Convey³, Paul Broady⁴</p> <p>¹School of Biological Science, Universiti Sains Malaysia, Penang, Malaysia</p> <p>²Department of Fishery Biology, Faculty of Fisheries, Kasetsart University, Chatuchak, Bangkok, Thailand</p> <p>³British Antarctic Survey, NERC, Cambridge, United Kingdom</p> <p>⁴School of Biological Sciences, University of Canterbury, Christchurch, New Zealand</p> <p>THE FIRST DISCOVERY OF TOXIN PRODUCING <i>WILMOTTIA MURRAYI</i> FROM CRYOPRESERVED ANTARCTIC CYANOBACTERIAL MATS</p>	08.40-09.00 UTC
10	<p><u>K. Subramaniam</u>¹, S.A. Ahmad¹, N.A. Shahrudin¹, A. Zulkharnain², K.A. Khalil³, P. Convey⁴</p> <p>¹Department of Biochemistry, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, Selangor, Malaysia</p> <p>²Department of Bioscience and Engineering, College of Systems Engineering and Science, Shibaura Institute Technology, Saitama, Japan</p> <p>³Department of Biomolecular Sciences, Faculty of Applied Sciences, Universiti Teknologi MARA, Selangor, Malaysia</p> <p>⁴British Antarctic Survey, NERC, Cambridge, UK</p> <p>DEVELOPMENT OF A DEFINED MIXED CULTURE (DMC) SYSTEM FOR EFFECTIVE REMEDIATION OF PHENOL AT LOW TEMPERATURE</p>	09.00-09.20 UTC
11	<p><u>N. Mohamad-Fauzi</u>^{1,2,4}, H.J. Wong^{2,3}, H. Goh⁵, J. Smykla⁶, S.A. Alias^{2,4}</p> <p>¹Institute of Biological Sciences, Universiti Malaya, Kuala Lumpur, Malaysia</p>	09.20-09.40 UTC

	<p>²<i>Institute of Ocean & Earth Sciences, Institute for Advanced Studies, Universiti Malaya, Kuala Lumpur, Malaysia</i></p> <p>³<i>Institute for Advanced Studies, Universiti Malaya, Kuala Lumpur, Malaysia</i></p> <p>⁴<i>National Antarctic Research Centre, Institute for Advanced Studies, Universiti Malaya, Kuala Lumpur, Malaysia</i></p> <p>⁵<i>Institute of Systems Biology, Universiti Kebangsaan Malaysia, Selangor Darul Ehsan, Malaysia</i></p> <p>⁶<i>Institute of Nature Conservation, Polish Academy of Sciences, Kraków, Poland</i></p> <p>TRANSCRIPTIONAL RESPONSE IN POLAR PSEUDOGYMNOASCUS SPP. SOIL FUNGI FOLLOWING THERMAL CHALLENGE</p>	
12	<p><u>M. Rizman-Idid</u>, H.J. Wong², N. Mohamad-Fauzi, P. Convey, J. Smykla, S.A. Alias</p> <p><i>Institute of Ocean and Earth Sciences, University of Malaya, Kuala Lumpur, Malaysia</i></p> <p>MOLECULAR IDENTIFICATION OF PSEUDOGYMNOASCUS SPP. ISOLATED FROM ARCTIC AND ANTARCTIC REGIONS</p>	09.40-10.00 UTC
13	<p><u>C.M.V.L Wong</u>¹, N.A Yusof¹, A.M.A Murad², F.D. Abu Bakar², N.M. Mahadi³, A.Y.A Rahman⁴, N. Zainuddin, N. Najimudin⁴</p> <p>¹<i>Biotechnology Research Institute, Universiti Malaysia Sabah, Jalan UMS, Sabah, Malaysia</i></p> <p>²<i>School of Biosciences and Biotechnology, Faculty of Science and Technology, Universiti Kebangsaan Malaysia, Selangor, Malaysia</i></p> <p>³<i>Malaysia Genome Institute, Selangor Darul Ehsan, Malaysia</i></p> <p>⁴<i>School of Biological Sciences, Universiti Sains Malaysia, Penang, Malaysia</i></p> <p>MOLECULAR CHAPERONES HELP ANTARCTIC PSYCHROPHILIC YEAST, <i>Glaciozyma antarctica</i> PI12 TO COPE WITH HEAT STRESS</p>	10.00-10.20 UTC
14	<p><u>Nur Hidayu Syuhada</u>¹, Paul A. Broady², Peter Convey³, Faradina Merican¹</p> <p>¹<i>School of Biological Science, Universiti Sains Malaysia</i></p> <p>²<i>School of Biological Sciences, University of Canterbury</i></p> <p>³<i>British Antarctic Survey, Cambridge</i></p> <p>STRONG AND WIDESPREAD CYCLOHEXIMIDE RESISTANCE IN THE EUKARYOTIC ALGAL GENUS <i>Stichococcus</i></p>	10.20-10.40 UTC
15	<p><u>D.V. Lukashov</u>, T.S. Tesolkina</p> <p><i>Taras Shevchenko National University of Kyiv, Kyiv</i></p> <p>FUNCTIONAL FEATURES OF BIOGEOCHEMICAL MIGRATION SYSTEM OF TOXIC CHEMICAL ELEMENTS IN TERRESTRIAL ECOSYSTEMS OF GALINDEZ ISLAND</p>	10.40-11.00 UTC
16	<p><u>A.Ye. Berezkina</u>^{1,2}, M.A. Kharkhota³, L.D. Varbanets³, K.V. Avdiuk³, O.V. Gudzenko³, M.Yu. Gorpynchenko, A.Yu. Utevsky^{1,2}</p> <p>¹<i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i></p> <p>²<i>V.N. Karazin Kharkiv National University, Kharkiv</i></p> <p>³<i>D.K. Zabolotny Institute of Microbiology and Virology of the NAS of Ukraine, Kyiv</i></p> <p>PHYLOGENETIC RELATIONSHIPS OF THE GENUS PSEUDOALTEROMONAS, PSYCHROMONAS AND OCEANOACILLUS IN THE POLAR REGIONS</p>	11.00-11.20 UTC
17	<p><u>O. M. Gromyko</u>¹, S.I. Tistechok¹, I.I. Roman¹, O.V. Aravitska¹, A.M. Luzhetskyy³, I.Y. Parnikoza², V.O. Fedorenko¹</p> <p>¹<i>Ivan Franko National University of Lviv; Lviv</i></p> <p>²<i>National Antarctic Scientific Center of the Ministry of Education and Science of Ukraine, Institute of Molecular biology and Genetic NAS of Ukraine, Kyiv</i></p> <p>³<i>Saarland University, Saarbrücken, Germany</i></p> <p>ACTINOBACTERIA ASSOCIATED WITH <i>Polytrichum strictum</i> FROM GALINDEZ ISLAND (MARITIME ANTARCTIC): DIVERSITY, PROPERTIES AND BIOTECHNOLOGICAL POTENTIAL</p>	11.20-11.40 UTC
18	<p><u>O. Sinna</u>¹, V. Popov¹, N. Efimova², G. Yukhno², A. Krasnopyorova², D. Shmyrov³, A. Utevsky^{1,3}</p> <p>¹<i>V. N. Karazin Kharkiv National University, Kharkiv</i></p> <p>²<i>Research Institute of Chemistry, V. N. Karazin Kharkiv National University, Kharkiv</i></p> <p>³<i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i></p> <p>GIS AND CARTOGRAPHIC SUPPORT OF THE CHEMICAL COMPOSITION RESEARCH OF THE BOTTOM SEDIMENTS OF THE ARGENTINE ISLANDS' WATER AREA</p>	11.40-12.00 UTC
19	<p><u>Nataliia Raksha</u>, Tetiana Halenova, Tetiana Vovk, Olexiy Savchuk, Ludmila Ostapchenko</p> <p><i>ESC "Institute of Biology and Medicine", Taras Shevchenko National University of Kyiv</i></p> <p>ANTIOXIDANT PEPTIDES DERIVED FROM THE ANTARCTIC HYDROBIONTS</p>	12.00-12.20 UTC

20	<p><u>Kuzmina T.A.</u>¹, <u>Salganskij O.O.</u>², <u>Dykyj I.V.</u>³, <u>Lisitsyna O.L.</u>¹, <u>Korol E.M.</u>⁴, <u>Kuzmin Y.I.</u>¹ ¹<i>I. Schmalhausen Institute of Zoology NAS of Ukraine, Kyiv</i> ²<i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i> ³<i>Zoological museum of Lviv National University, Lviv</i> ⁴<i>National Museum of Natural History NAS of Ukraine, Kyiv</i> SPECIES DIVERSITY OF THE PARASITE COMMUNITIES OF BONY FISHES FROM THE ARGENTINE ISLAND REGION, WEST ANTARCTICA</p>	12.20-12.40 UTC
21	<p><u>A.Yu. Utevsky</u>^{1,2}, <u>S.Yu. Utevsky</u>¹ ¹<i>V.N. Karazin Kharkiv National University, Kharkiv, Ukraine</i> ²<i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i> BIPOLAR DISTRIBUTION IN FISH PARASITES OF ANTARCTICA</p>	12.40-13.00 UTC
22	<p><u>S. Y. Komplikevych</u>, <u>I. I. Hruna</u>, <u>O. D. Maslovska</u>, <u>T. B. Peretyatko</u>, <u>O. M. Moroz</u>, <u>S. O. Hnatush</u> <i>Ivan Franko National University of Lviv, Lviv</i> BACTERIA OF THE GENUS <i>PSEUDOMONAS</i> ISOLATED FROM ANTARCTIC BIOTOPES</p>	13.00-13.20 UTC
23	<p><u>Kovalenko P.A.</u>¹, <u>Serga S.V.</u>^{2,3}, <u>Salganskiy O.O.</u>⁴, <u>Kozeretska I.A.</u>³ ¹<i>Institute for evolutionary ecology NAS Ukraine, Kyiv</i> ²<i>Taras Shevchenko National University of Kyiv, Kyiv</i> ³<i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i> ⁴<i>National University of Life and Environmental Sciences of Ukraine, Kyiv</i> ANALYSIS OF mtDNA HAPLOTYPES IN <i>BELGICA ANTARCTICA</i> JACOBS (DIPTERA, CHIRONOMIDAE) POPULATIONS</p>	13.20-13.40 UTC
24	<p><u>I.O. Andreev</u>¹, <u>I.I. Konvalyuk</u>¹, <u>I.Yu. Parnikoza</u>^{1,2}, <u>M.O. Pavlovska</u>², <u>I.A. Kozeretska</u>², <u>V.A. Kunakh</u>¹ ¹<i>Institute of Molecular Biology and Genetics, National Academy of Sciences of Ukraine, Kyiv</i> ²<i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i> MOLECULAR-GENETIC ANALYSIS OF <i>COLOBANTHUS QUITENSIS</i> POPULATIONS FROM ARGENTINE ISLANDS REGION USING RETROTRANSPOSON MARKERS</p>	13.40-14.00 UTC
25	<p><u>O.O.Poronnik</u>¹, <u>Ie.P.Prekrasna</u>², <u>V.Yu.Ivanets</u>², <u>I.Yu.Parnikoza</u>^{2,1}, <u>G.Yu.Myryuta</u>¹, <u>V.A.Kunakh</u>¹ ¹<i>Institute of Molecular Biology and Genetics, National Academy of Sciences of Ukraine, Kyiv</i> ²<i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i> IN VITRO CLONAL PROPAGATION OF <i>COLOBANTHUS QUITENSIS</i> FROM THE MARITIME ANTARCTICA</p>	14.00-14.20 UTC
26	<p><u>R.V. Ivannikov</u>¹, <u>I.V. Laguta</u>², <u>O.M. Stavynska</u>², <u>P.O. Kuzema</u>², <u>V.M. Anishchenko</u>¹, <u>I.Yu. Parnikoza</u>³, <u>O.O. Poronnik</u>⁴, <u>G. Yu. Myryuta</u>⁴, <u>V.A. Kunakh</u>⁴ ¹<i>M.M. Gryshko National Botanic Garden, National Academy of Sciences of Ukraine, Kyiv</i> ²<i>Chuiko Institute of Surface Chemistry, National Academy of Sciences of Ukraine</i> ³<i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i> ⁴<i>Institute of Molecular Biology and Genetics, National Academy of Sciences of Ukraine, Kyiv</i> COMPARATIVE STUDY OF BIOLOGICALLY ACTIVE COMPOUNDS CONTENTS IN <i>DESCHAMPSIA ANTARCTICA</i> PLANTS OF DIFFERENT ORIGIN</p>	14.20-14.40 UTC
27	<p><u>I.I. Konvalyuk</u>, <u>M.O. Twardovska</u>, <u>L.P. Mozhylevska</u>, <u>I.O. Andreev</u>, <u>V.A. Kunakh</u> <i>Institute of Molecular Biology and Genetics of National Academy of Sciences of Ukraine, Kyiv</i> CALLUS FORMATION, ORGANOGENESIS AND PLANT REGENERATION <i>IN VITRO</i> OF <i>DESCHAMPSIA ANTARCTICA</i></p>	14.40-15.00 UTC
28	<p><u>N. Miryuta</u>¹, <u>I. Parnikoza</u>^{1,2}, <u>O. Poronnik</u>^{2,1}, <u>G. Myryuta</u>^{1,2}, <u>M. Rojek-Jelonek</u>³, <u>E. Dykyi</u>¹, <u>V. Kunakh</u>² ¹<i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i> ²<i>Institute of Molecular Biology and Genetics, National Academy of Sciences of Ukraine, Kyiv</i> ³<i>University of Silesia in Katowice, Katowice, Poland</i> CORRELATION MODELS OF ADAPTABILITY <i>DESCHAMPSIA ANTARCTICA</i> GENOTYPES OF DIFFERENT ORIGIN GROWN UNDER <i>IN VITRO</i> CONDITION</p>	15.00-15.20 UTC
29	<p><u>Twardovska M.O.</u>¹, <u>Konvalyuk I.I.</u>¹, <u>Lystvan K.V.</u>², <u>Andreev I.O.</u>¹, <u>Kunakh V.A.</u>¹</p>	15.20-15.40

	<p>¹<i>Institute of Molecular Biology and Genetics of NAS of Ukraine, Kyiv</i> ²<i>Institute of Cell Biology and Genetic, Engineering of NAS of Ukraine, Kyiv</i> COMPARATIVE ANALYSIS OF THE CONTENT OF BIOLOGICALLY ACTIVE COMPOUNDS IN INTACT PLANTS AND TISSUE CULTURE OF <i>DESCHAMPSIA ANTARCTICA</i> E. DESV.</p>	UTC
<p>May 13, 2021 Thursday 07.00 – 14.00 UTC (Kyiv UTC + 3)</p> <p>LIFE SCIENCES SESSION</p> <p>Chairpersons: Ivan Parnikoza, Iryna Kozeretska</p>		
1	<p>O. Salgansky¹, A. Dzhulai¹, <u>G. Milinevsky</u>^{1,2,3}, P. Khoyetsky^{1,4}, V. Smagol⁵, I. Dykyy^{1,6}, A. Simon², M. Telipska⁶, L. Pshenichnov⁷, O. Savitsky⁸, M. Veselskyi⁹, D. Lutsenko¹⁰ ¹<i>National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> ²<i>Taras Shevchenko National University of Kyiv, Kyiv, Ukraine</i> ³<i>International Center of Future Science, College of Physics, Jilin University, Changchun, China</i> ⁴<i>National Forestry University of Ukraine, Lviv, Ukraine</i> ⁵<i>Schmalhausen Institute of Zoology of National Academy of Sciences of Ukraine, Kyiv, Ukraine</i> ⁶<i>Ivan Franko National University of Lviv, Lviv, Ukraine</i> ⁷<i>Institute of Fisheries and Marine Ecology, Berdyansk, Ukraine</i> ⁸<i>Institute of Hydrobiology, National Academy of Sciences of Ukraine, Kyiv, Ukraine</i> ⁹<i>Zhytomyr Regional Museum of Local Lore, Zhytomyr, Ukraine</i> ¹⁰<i>Institute for Problems of Cryobiology and Cryomedicine of National Academy of Sciences of Ukraine, Kharkiv, Ukraine</i> GENTOO BREEDING CHRONOLOGY BY CEMP CAMERAS - VALIDATION EXPERIMENT</p>	07.00-07.20 UTC
2	<p><u>J. Ivanchikova</u>^{1,2}, K. Vyshnyakova^{1,3} ¹<i>Scientific Research Institution Ukrainian Scientific Centre of Ecology of the Sea, Ministry of Ecology and Natural Resources of Ukraine, Odesa, Ukraine</i> ²<i>I.I. Schmalhausen Institute of Zoology of National Academy of Sciences of Ukraine</i> ³<i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> PHOTO-IDENTIFICATION STUDY OF HUMPBACK WHALES (<i>MEGAPTERA NOVAEANGLIAE</i>) NEAR THE SOUTHERN ORKNEY ISLANDS DURING AUSTRALIAN SUMMER 2020-2021</p>	07.20-07.40 UTC
3	<p><u>K. Vishnyakova</u>^{1,2}, J. Ivanchikova^{1,3} ¹<i>Scientific Research Institution Ukrainian Scientific Centre of Ecology of the Sea, Ministry of Ecology and Natural Resources of Ukraine, Odesa, Ukraine</i> ²<i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> ³<i>I.I. Schmalhausen Institute of Zoology of National Academy of Sciences of Ukraine, Kyiv, Ukraine</i> CETACEAN SPATIAL DISTRIBUTION NEAR THE SOUTHERN ORKNEY ISLANDS DURING ANTARCTIC KRILL FISHERY, AUSTRALIAN SUMMER 2020-2021</p>	07.40-08.00 UTC

4	V.V. Paramonov Institute of Fisheries and Marine Ecology, Berdyansk TEMPERATURE CONDITIONS OF DWELLING OF ANTARCTIC TOOTHFISH (<i>DISSOSTICHUS MAWSONI</i>) IN ANTARCTICA (WEDDELL, ROSS AND AMUNDSEN SEAS).	08.00-08.20 UTC
5	B.V.Donskoi <i>Institute of Pediatrics, Obstetrics and Gynecology, National Academy of Medical Sciences of Ukraine, Kyiv, Ukraine</i> STUDY OF THE STATE OF THE IMMUNE SYSTEM OF ANTARCTIC EXPEDITIONS MEMBERS	08.20-08.40 UTC
6	<u>Ya.V. Pirko</u> ¹ , Yu.O. Bilonozhko ¹ , A.M. Rabokon ¹ , A.S. Postovoitova ¹ , L.O. Kalafat ¹ , I.Yu. Parnikoza ² , I.A. Kozeretska ² , Ya.B. Blume ¹ ¹ <i>Institute of Food Biotechnology and Genomics of the National Academy of Sciences of Ukraine», Kyiv, Ukraine</i> ² <i>National Antarctic Scientific Center of the Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> ASSESSMENT OF COLOBANTHUS QUITENSIS GENETIC DIVERSITY IN THE ANTARCTIC BY ANALYSIS OF INTRON POLYMORPHISM OF CYTOSKELETON PROTEIN GENES	08.40-09.00 UTC
	POSTERS:	09.00 – 13.15 UTC
1	<u>N. Abu Bakar</u> , B. Y. C. Lau, J. Smykla, S. A. Karsani and S. A. Alias <i>Institute of Ocean and Earth Sciences, Universiti Malaya, Kuala Lumpur, Malaysia</i> HEAT STRESS RESPONSE OF PSEUDOGYMNOASCUS SPP. ISOLATED FROM DIFFERENT BIOGEOGRAPHIC REGIONS	09.00-09.15 UTC
2	<u>R.R. Wong</u> ¹ , S.A. Ahmad ¹ , C. Gomez-Fuentes ² , A. Zulkharnain ³ , S. Sabri ⁴ , C. K.A. Khalil ⁵ ¹ <i>Department of Biochemistry, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, Selangor, Malaysia</i> ² <i>Department of Chemical Engineering, Universidad de Magallanes, Punta Arenas, Chile</i> ³ <i>Department of Bioscience and Engineering, College of Systems Engineering and Science, Shibaura Institute of Technology, Saitama, Japan</i> ⁴ <i>Department of Microbiology, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, Selangor, Malaysia.</i> ⁵ <i>Department of Biomolecular Sciences, Faculty of Applied Sciences, Universiti Teknologi MARA, Selangor, Malaysia</i> ANTARCTIC BACTERIAL CONSORTIUM DIESEL DEGRADATION OPTIMISATION VIA STATISTICAL APPROACH	09.15-09.30 UTC
3	<u>T.A. Tengku-Mazuki</u> ¹ , S.A. Ahmad ¹ , N.A. Shaharuddin ¹ , P. Convey ² , A. Zulkharnain ³ , C. Gomez-Fuentes ⁴ ¹ <i>Department of Biochemistry, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, Selangor, Malaysia</i> ² <i>British Antarctic Survey, NERC, Cambridge, United Kingdom</i> ³ <i>Department of Bioscience and Engineering, College of Systems Engineering and Science, Shibaura Institute Technology, Saitama, Japan.</i> ⁴ <i>Department of Chemical Engineering, Universidad de Magallanes, Punta Arenas, Chile</i> EFFECT OF HEAVY METALS ON PHENOL DEGRADATION BY AN ANTARCTIC BACTERIAL CONSORTIUM	09.30-09.45 UTC
4	<u>G. Verasoundarapandian</u> ¹ , C.-Y. Wong ² , S.A. Ahmad ¹ ¹ <i>Department of Biochemistry, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, Selangor, Malaysia</i> ² <i>School of Health Sciences, International Medical University, Kuala Lumpur, Malaysia</i> GROWTH EVALUATION OF ANTARCTIC FILAMENTOUS ALGAE IN MOLYBDENUM AS HEAVY METAL	09.45-10.00 UTC
5	O. Salgansky ¹ , A. Dzhalai ¹ , <u>G. Milinevsky</u> ^{1,2,3} , P. Khoyetsky ^{1,4} , V. Smagol ⁵ , I. Dykyy ^{1,6} , A. Simon ² , M. Telipska ⁶ , L. Pshenichnov ⁷ , O. Savitsky ⁸ , M. Veselsky ⁹ , D. Lutsenko ¹⁰ ¹ <i>National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> ² <i>Taras Shevchenko National University of Kyiv, Kyiv, Ukraine</i> ³ <i>International Center of Future Science, College of Physics, Jilin University, Changchun, China</i> ⁴ <i>National Forestry University of Ukraine, Lviv, Ukraine</i>	10.00-10.15 UTC

	<p>⁵<i>Schmalhausen Institute of Zoology of National Academy of Sciences of Ukraine, Kyiv, Ukraine</i> ⁶<i>Ivan Franko National University of Lviv, Lviv, Ukraine</i> ⁷<i>Institute of Fisheries and Marine Ecology, Berdyansk, Ukraine</i> ⁸<i>Institute of Hydrobiology, National Academy of Sciences of Ukraine, Kyiv, Ukraine</i> ⁹<i>Zhytomyr Regional Museum of Local Lore, Zhytomyr, Ukraine</i> ¹⁰<i>Institute for Problems of Cryobiology and Cryomedicine of National Academy of Sciences of Ukraine, Kharkiv, Ukraine</i></p> <p>ESTABLISHING A CEMP CAMERA NETWORK IN ANTARCTIC PENINSULA: PROJECT RESULTS</p>	
6	<p><u>Ivanets V.</u>¹, Miryuta N.¹, Yevchun A.^{1,2}, Pilipenko D.¹, Salgansky O.^{1,3}, Veselsky M.⁴, Kozeretska I.¹, Dykyi E.¹, Parnikoza I.^{1,2,5,6}</p> <p>¹<i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i> ²<i>National University of «Kyiv-Mohyla Academy», Kyiv</i> ³<i>National University of Life and Environmental Sciences of Ukraine, Kyiv</i> ⁴<i>Zhytomyr Regional Museum of Culture and Traditions, Zhytomyr</i> ⁵<i>Institute of Molecular Biology and Genetic, NAS of Ukraine, Kyiv</i> ⁶<i>National Historical and Architectural Museum «Kyiv Fortress», Kyiv</i></p> <p>AN EXAMPLE OF ORNITHOCHORY: CATHARACTA MACCORMICKI IN THE REGION OF THE ARGENTINE ISLANDS, THE MARITIME ANTARCTIC</p>	10.15-10.30 UTC
7	<p><u>Y.G. Giginyak</u>, D.A. Lukashanets, O.I. Borodin, V.E. Myamin</p> <p><i>State Scientific and Production Association "Scientific Research Center of the National Academy of Sciences of Belarus for Bioresources", Minsk, Belarus</i></p> <p>TEMPERATURE SURVIVAL OF DAPHNIA (CTENODAPHNIA STUDERI (RUHE, 1914) (ANOMOPODA, CRUSTACEA: CLADOCERA) FROM COASTAL LAKES AT LARSEMANN OASIS (LARSEMANN HILLS, EAST ANTARCTICA)</p>	10.30-10.45 UTC
8	<p><u>O.M. Bublyk</u>, I.O. Andreev, V.A. Kunakh</p> <p><i>Institute of Molecular Biology and Genetics of National Academy of Sciences of Ukraine, Kyiv</i></p> <p>BIOINFORMATIC ANALYSIS OF GENE PROMOTER OF DESCHAMPSIA ANTARCTICA DaDREB2B STRESS-INDUCIBLE TRANSCRIPTION FACTOR</p>	10.45-11.00 UTC
9	<p><u>Ie.P. Prekrasna</u>¹, M.O. Pavlovska^{1,3}, V.Yu.Ivanets¹, I.Yu. Parnikoza^{1,2}</p> <p>¹<i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine;</i> ²<i>Institute of Molecular Biology and Genetics, National Academy of Sciences of Ukraine, Kyiv, Ukraine;</i> ³<i>National University of Life and Environmental Sciences of Ukraine, Kyiv, Ukraine</i></p> <p>ENDOPHYTIC BACTERIAL COMMUNITIES' COMPOSITION OF ANTARCTIC VASCULAR PLANTS DERIVED BY 16S rRNA METAGENOMICS</p>	11.00-11.15 UTC
10	<p><u>M.O. Pavlovska</u>¹, Ie.P. Prekrasna¹, A.O. Dzhulai¹, A.B. Zotov¹, E.O. Dykyi¹</p> <p>¹<i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i> ²<i>National University of Life and Environmental Sciences of Ukraine, Kyiv, Ukraine</i> ³<i>State Institution Institute of Marine Biology of the NAS of Ukraine, Odesa, Ukraine</i></p> <p>OPTIMIZED PROTOCOL FOR DNA EXTRACTION FROM LOW-ABUNDANCE ANTARCTIC BACTERIOPLANKTON SAMPLES FOR INCREASED YIELD</p>	11.15-11.30 UTC
11	<p><u>E.A. Gribanova</u>, V.E. Miamin</p> <p><i>Belarusian State University, Minsk, Belarus</i></p> <p>PHYSIOLOGICAL AND BIOCHEMICAL CHARACTERISTICS OF YEAST ISOLATED FROM DIFFERENT ECOSYSTEMS OF EASTERN ANTARCTIDA</p>	11.30-11.45 UTC
12	<p><u>V. Holovan</u>, V. Zoloiedova, O. Andriichuk</p> <p><i>Taras Shevchenko National University of Kyiv, Ukraine</i></p> <p>PRESERVATION OF INFECTIVITY OF BACTERIOPHAGELYSATES ISOLATED FROM SOIL BIOTOPES OF THE ANTARCTIC REGION DEPENDING ON STORAGE TIME AND TEMPERATURE</p>	11.45-12.00 UTC
13	<p>Yu. G. Hihinyak¹, M.P. Andreev², E.R. Grischenko³, P. Convey⁴, <u>O.L. Kandelinskaya</u>³</p> <p>¹<i>Scientific and Practical Center for Bioresources of National Academy of Sciences of Belarus, Minsk, Belarus</i> ²<i>Komarov Botanical Institute of the Russian Academy of Sciences, St. Petersburg, Russia</i> ³<i>V.F. Kuprevich Institute of Experimental Botany of National Academy of Sciences of Belarus, Minsk, Belarus</i> ⁴<i>British Antarctic Survey, NERC, Cambridge, United Kingdom</i></p>	12.00-12.15 UTC

	ELEMENT ACCUMULATION IN MARITIME AND CONTINENTAL ANTARCTIC LICHENS	
14	N.Y. Kyyak, O.B. Lobachevska, Y.D. Khorkavtsiv <i>Institute of Ecology of the Carpathian of the National Academy of Sciences of Ukraine, Lviv, Ukraine</i> PHOTOPROTECTOR FUNCTIONS OF UV-ABSORBING PHENOLIC COMPOUNDS OF BRYOPHYTES FROM ANTARCTICA	12.15-12.30 UTC
15	O. Lobachevska ¹ , N. Kyyak ¹ , Ya. Khorkavtsiv ¹ , E. Kordyum ² ¹ <i>Institute of Ecology of the Carpathians of the National Academy of Sciences of Ukraine, Lviv</i> ² <i>M.G. Kholodny Institute of Botany of the National Academy of Sciences of Ukraine, Kyiv</i> BIOLOGICAL CHARACTERISTICS GRAVIMORPHOSES THAT ASSIST OF MOSS SPECIES TOLERANCE IN ANTARCTICA CONDITIONS	12.30-12.45 UTC
16	L. M. Bakhmutova <i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv</i> SOCIO-SPATIAL ISOLATION AND PSYCHOLOGICAL STATE OF UKRAINIAN ANTARCTIC EXPEDITIONS PARTICIPANTS	12.45-13.00 UTC
17	V.V. Vasiliev ¹ , O.V. Nahlov ² ¹ <i>Institute of Applied Cryology, Kharkiv, Ukraine</i> ² <i>V.N. Karazin Kharkiv National University, Kharkiv, Ukraine</i> SHORT-TERM COLD LOADS AS AN ELEMENT OF REHABILITATION ACTIONS AFTER THE INFLUENCE OF EXTREME FACTORS	13.00-13.15 UTC
18	O. A. Miroshnychenko <i>Zhytomyr Ivan Franko State University, Zhytomyr, Ukraine</i> AGE FEATURES OF PSYCHOLOGICAL READINESS OF WINTERERS TO LIFE IN ANTARCTICA	13.15-13.30
19	O.V. Savenko <i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> <i>Ukrainian Scientific Center of Ecology of the Sea, Odesa, Ukraine</i> NEW SIGHTINGS OF THE SOUTHERN RIGHT WHALES NEAR THE WESTERN COAST OF THE ANTARCTIC PENINSULA, IN 2018 AND 2020	13.30-14.00
	Round-table discussion on the topic “Development of Possible Cooperation in Life Sciences” All participants are invited	14.00-15.00

May 13, 2021
Thursday
07.00 – 13.00 UTC
(Kyiv UTC + 3)

GEOSCIENCES SESSION

Chairperson: Sergiy Kadurin

1	<p><u>O. Mytrokhyn</u>¹, V. Bakhmutov^{2,3} ¹ Taras Shevchenko National University of Kyiv, Ukraine ² Institute of Geophysics National Academy of Sciences of Ukraine ³ State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine GEOLOGICAL SURVEY ON THE UKRAINIAN ANTARCTIC STATION AREA (THE HISTORY, CURRENT STATE AND THE FUTURE)</p>	07.00-07.20 UTC
2	<p><u>A. Chernov</u>¹, D. Pishniak¹, Y. Otruba¹, J. Karuss², K. Lamsters², M. Krievans², V. Trokhymets³ ¹ State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine ² University of Latvia, Faculty of Geography and Earth Sciences, Riga, Latvia ³ Taras Shevchenko National University of Kyiv, Educational and Scientific Center «Institute of Biology and Medicine», Kyiv, Ukraine APPLICATION OF GEOPHYSICAL AND BIOLOGICAL APPROACHES FOR INVESTIGATIONS OF ICE-CAPS ON THE ARGENTINE ISLANDS (WEST ANTARCTICA) (TIME PERIOD:2017-2020)</p>	07.20-07.40 UTC
3	<p><u>V. Yu. Maksymchuk</u>, I.O.Chobotok, Ye.F.Nakalov, R.S.Kuderavets, N.B.Pyrizhok Carpathian Branch of Subbotin Institute of Geophysics, National Academy of Sciences of Ukraine, Lviv, Ukraine THE RESULTS OF LONG-TERM TECTONOMAGNETIC RESEARCH ON ANTARCTIC GEOPHYSICAL POLIGON</p>	07.40-08.00 UTC
4	<p>T.Klymkovych Lviv Polytechnic National University, Lviv, Ukraine VARIATIONS OF INDUCTION VECTORS AT THE AIA MAGNETIC OBSERVATORY (AKADEMIK VERNADSKY STATION)</p>	08.00-08.20 UTC
5	<p><u>O.I. Liashchuk</u>¹, V.K. Zhukovsky², Ye.V. Kariagin¹, Yu.A. Andrushchenko¹, Yu.S. Otruba³ ¹Main Center of Special Monitoring, Gorodok, Ukraine ² K.D. Ushynsky South Ukrainian National Pedagogical University, Odesa, Ukraine ³ State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine SEISMO-ACOUSTIC MONITORING OF THE CRYOSPHERE IN THE VERNADSKY STATION REGION</p>	08.20-08.40 UTC
6	<p><u>O.I. Liashchuk</u>¹, Ye.V. Kariagin¹, Yu.A. Andrushchenko¹, V.K. Zhukovsky², Yu.S. Otruba³, S.V. Dovbysh¹ ¹Main Center of Special Monitoring, National Space Facilities Control and Test Center, State Space Agency of Ukraine, Gorodok, Ukraine ² K.D. Ushynsky South Ukrainian National Pedagogical University, Odesa, Ukraine</p>	08.40-09.00 UTC

	³ <i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> INFRA SOUND ARRAY OBSERVATION IN THE ANTARCTIC PENINSULA REGION, FIRST RESULTS	
7	<u>G.V. Melnyk</u> ¹ , V.G. Bakhmutov ^{1,2} , N.A. Kilifarska ³ , O.Ja. Shenderovska ¹ ¹ <i>S.I. Subbotin Institute of Geophysics, National Academy of Sciences of Ukraine, Kyiv, Ukraine</i> ² <i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> ³ <i>National Institute of Geophysics, Geodesy and Geography, Bulgarian Academy of Sciences, Sofia, Bulgaria</i> CHANGES IN THE GEOMAGNETIC FIELD AND SURFACE AIR TEMPERATURE IN ANTARCTICA	09.00-09.20 UTC
8	<u>G.V. Artemenko</u> ¹ , V.G. Bakhmutov ² ¹ <i>M.P. Semenenko Institute of Geochemistry, Mineralogy and Ore Formation of the National Academy of Sciences of Ukraine, Kiev, Ukraine</i> ² <i>S.I. Subbotin Institute of Geophysics, National Academy of Sciences of Ukraine, Kyiv, Ukraine</i> SIGNS OF ORE MINERALIZATION IN THE AREA OF THE ARGENTINE ISLANDS	09.20-09.40 UTC
9	<u>V. Bakhmutov</u> ^{1,2} , O. Mytrokhyn ³ ¹ <i>Institute of Geophysics National Academy of Sciences of Ukraine, Kyiv, Ukraine</i> ² <i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine;</i> ³ <i>Taras Shevchenko National University of Kyiv;</i> MAGNETIC TEXTURE OF GABBROIDS OF THE WILHELM ARCHIPELAGO AS AN INDICATOR OF REGIONAL TECTONIC PROCESSES	09.40-10.00 UTC
10	<u>K. Lamsters</u> ¹ , J. Karušs ¹ , M. Krievāns ¹ , J. Ješkins ¹ , P. Džeriņš ¹ , A. Chernov ² , I. Sobota ^{3,4} ¹ <i>University of Latvia, Faculty of Geography and Earth Sciences, Riga, Latvia;</i> ² <i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv;</i> ³ <i>Faculty of Earth Sciences and Spatial Management, Nicolaus Copernicus University in Toruń, Toruń, Poland.</i> ⁴ <i>Polar Research Center, Faculty of Earth Sciences and Spatial Management, Nicolaus Copernicus University in Toruń, Toruń, Poland</i> GEOPHYSICAL RESEARCH OF ANTARCTIC AND ARCTIC GLACIERS AT THE UNIVERSITY OF LATVIA	10.00-10.20 UTC
11	<u>T.P.Yegorova</u> ¹ , A.V., Murovskaya ¹ , V.G.Bakhmutov ^{1,2} , A.V.Mytrokhyn ³ , V.V.Shpyra ¹ ¹ <i>Institute of Geophysics National Academy of Sciences of Ukraine, Kyiv, Ukraine</i> ² <i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> ³ <i>Taras Shevchenko National University of Kyiv, Ukraine</i> EVOLUTION OF CENOZOIC MAGMATISM OF THE ANTARCTIC PENINSULA ON THE EXAMPLE OF THE BARCHANS-FORGE ISLANDS ACCORDING TO GEOLOGICAL AND GEOPHYSICAL DATA	10.20-10.40 UTC
12	<u>K.Yu.Tkachenko</u> <i>Institute of Geological Sciences NAS of Ukraine, Kyiv, Ukraine</i> PROSPECTS OF STUDY OF ELECTRIC PHENOMENA IN SNOW-AIR INTERACTIONS	10.40-11.00 UTC
13	<u>Kh.I. Marusazh</u> , V.M. Hlotov <i>Institute of Geodesy, Lviv Polytechnic National University, Lviv, Ukraine</i> THE COMPLEX STUDY FOR DETERMINATION OF THE VOLUME CHANGES OF GLACIERS ON GALINDEZ AND WINTER ISLANDS	11.00-11.20 UTC
14	<u>I. Savchyn</u> , K. Tretyak <i>Lviv Polytechnic National University, Institute of Geodesy, Lviv, Ukraine</i> CRYSTAL STRAIN ANALYSIS IN THE PENOLA STRAIT - LEMAIRE CHANNEL FAULT AREA	11.20-11.40 UTC
	POSTERS:	11.40-13.00 UTC
1	V.G.Pysarenko <i>V.M. Glushkov Institute of Cybernetics, National Academy of Sciences of Ukraine, Kyiv, Ukraine</i> THE CONCEPT OF ANTARCTIC GLACIER MELTING PROCESSES MONITORING ORGANIZATION	11.40-12.00 UTC

2	<p><u>V.D. Soloviev</u>¹, N.A. Yakymchuk², I.N. Korchagin¹ ¹<i>Institute of Geophysics of Ukraine National Academy of Science, Kyiv, Ukraine</i> ²<i>Institute of Applied Problems of Ecology, Geophysics and Geochemistry, Kyiv, Ukraine</i> GIANT STRUCTURE AT WILKES LAND (EAST ANTARCTICA) METEORITE CRATER OR VOLCANO?</p>	12.00-12.15 UTC
3	<p><u>V.D. Soloviev</u>¹, V.G. Bakhmutov¹, N.A. Yakymchuk², I.N. Korchagin¹ ¹<i>Institute of Geophysics of Ukraine National Academy of Sciences, Kyiv, Ukraine,</i> ²<i>Institute of Applied Problems of Ecology, Geophysics and Geochemistry, Kyiv, Ukraine</i> THE FIRST ACTIVE METHANE SEEPS IN ANTARCTICA: NEW EXPERIMENTAL DATA</p>	12.15-12.30 UTC
4	<p><u>S.V. Kadurin</u>, K.P. Andreeva <i>Odessa I.I. Mechnikov National University, Odesa</i> PETROGRAPHIC AND MINERALOGICAL STUDY OF MAGMATIC ROCKS IN UKRAINIAN ANTARCTIC AKADEMIK VERNADSKY STATION AREA</p>	12.30-12.45 UTC
5	<p><u>M.I. Orlyuk</u>, A.O. Romenets <i>S.I. Subbotin Institute of Geophysics of the National Academy of Sciences of Ukraine, Kyiv, Ukraine</i> SPATIAL-TIME STRUCTURE OF GEOMAGNETIC FIELD FOR THE TERRITORIES OF UKRAINE, OF YAMAL (RUSSIA) AND AROUND THE UKRAINIAN ANTARCTIC AKADEMIK VERNADSKY STATION: ECOLOGICAL ASPECT</p>	12.45-13.00 UTC

May 12, 2021
Wednesday
07.00 – 14.20 UTC
(Kyiv UTC + 3)

PHYSICAL SCIENCES

Chairpersons: Oleksandr Koloskov, Andriy Zalizovski

1	<p><u>Yu.G. Rapoport</u>^{1,2}, V.M. Reshetnyk¹, M. Hayakawa³, V.V. Grimalsky⁴, O.V. Agapitov⁵, A.V. Grytsai¹, A.I. Liashchuk², V.M. Ivchenko¹, A.K. Fedorenko^{6,1}, S.S. Petrishchevskii¹, V.N. Fedun⁷</p> <p>¹Taras Shevchenko National University of Kyiv, Ukraine ²National Center for Control and Testing of Space Facilities of the State Space Agency of Ukraine (NCCSSAU), Kyiv, Ukraine ³Hayakawa Institute of Seismo Electromagnetics, Co. Ltd., Japan ⁴CIICAp, Autonomous University of State Morelos (UAEM), Cuernavaca, Mor., Mexico ⁵University of California, Berkeley, USA ⁶Space Research Institute of National Academy of Sciences of Ukraine and State Space Agency of Ukraine, Kyiv, Ukraine ⁷The University of Sheffield, UK</p> <p>MODELING ULF AND VLF ACTIVITY IN THE NEAR-EARTH SPACE ENVIRONMENT: BOUNDARY CONDITIONS AND PROPAGATION EFFECTS</p>	07.00-07.20 UTC
2	<p><u>O.V. Bogomaz</u>¹, M.O. Shulha^{1,2}, D.V. Kotov^{1,2}, T.G. Zhivolup¹, A.V. Koloskov^{3,4}, A.V. Zalizovski^{3,4,5}, V.M. Lisachenko³</p> <p>¹Institute of Ionosphere, NAS and MES of Ukraine, Kharkiv, Ukraine ²National Technical University “Kharkiv Polytechnic Institute”, Kharkiv, Ukraine ³Institute of Radio Astronomy of NASU, Kharkiv, Ukraine ⁴State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine ⁵Space Research Centre of Polish Academy of Sciences, Warsaw, Poland</p> <p>TESTING THE ARTIFICIAL NEURAL NETWORK FOR SCALING IONOGRAMS OBTAINED AT THE UKRAINIAN ANTARCTIC AKADEMIK VERNADSKY STATION</p>	07.20-07.40 UTC
3	<p><u>A.V. Grytsai</u>¹, O.M. Evtushevsky¹, G.P. Milinevsky^{1,2} and A. Klekociuk^{3,4}</p> <p>¹Taras Shevchenko National University of Kyiv, Kyiv, Ukraine ²National Antarctic Scientific Center, Kyiv, Ukraine ³Antarctic Climate Program, Australian Antarctic Division, Kingston, Australia ⁴Department of Physics, University of Adelaide, Adelaide, Australia</p> <p>PLANETARY WAVE INFLUENCE ON THE OZONE HOLE IN 2010–2020</p>	07.40-08.00 UTC
4	<p><u>A.K. Fedorenko</u>, O.K. Cheremnykh, E.I. Kryuchkov, Yu.O. Klymenko</p> <p>Space Research Institute of National Academy of Science of Ukraine and State Space Agency of Ukraine, Kyiv, Ukraine</p> <p>WIND CONTROL OF DIRECTIONS PROPAGATION AND AMPLITUDES OF WAVE PERTURBATIONS IN THE UPPER ATMOSPHERE OVER ANTARCTICA</p>	08.00-08.20 UTC
5	<p>O. Ivaniha</p> <p>Taras Shevchenko National University of Kyiv, Kyiv, Ukraine</p> <p>VIEW ON TROPOPAUSE BEHAVIOR OVER ANTARCTICA</p>	08.20-08.40 UTC
6	<p><u>Andriy Zalizovski</u>^{1,2,3}, Yuri Yampolski¹, Oleksandr Koloskov^{1,2}, Sergei Kashcheyev¹, Bogdan Gavrylyuk^{1,2}, Olesia Charkina¹</p>	08.40-09.00 UTC

	<p>¹ Institute of Radio Astronomy of NAS of Ukraine, Kharkiv, Ukraine ² State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine ³ Space Research Centre of Polish Academy of Sciences, Poland</p> <p>HF RADIO SOUNDING OF THE IONOSPHERE ON LONG-DISTANCE RADIO PATHS WITH A RECEIVING SITE AT AKADEMIK VERNADSKY STATION: THE RESULTS OF THE FIRST 11 YEARS OF OBSERVATIONS</p>	
7	<p><u>Oleksandr Koloskov</u>^{1,2}, Andriy Zalizovski^{1,2,3}, Yuri Yampolski¹, Gennady Milikh⁴, Evgeny Mishin⁵, Artem Reznichenko¹, Michael Rietveld⁶, Erik Varberg⁶, Juha Vierinen⁶</p> <p>¹Institute of Radio Astronomy of NAS of Ukraine, Kharkiv, Ukraine ²State Institution National Antarctic Scientific Center, MES of Ukraine, Kyiv, Ukraine ³Space Research Centre of Polish Academy of Sciences, Warsaw, Poland ⁴Department of Astronomy, University of Maryland, College Park, MD, USA ⁵Space Vehicles Directorate, Air Force Research Laboratory, Albuquerque, NM, USA ⁶UiT The Arctic University of Norway, Tromsø, Norway</p> <p>HF RESPONSE IN ANTARCTICA DURING EISCAT-UKRAINE HEATING CAMPAIGN (JUNE, 2020)</p>	09.00-09.20 UTC
8	<p><u>Andriy Zalizovski</u>^{1,2,3}, Iwona Stanislawska², Lukasz Tomasiak²</p> <p>¹ Institute of Radio Astronomy of NAS of Ukraine, Kharkiv, Ukraine ² Space Research Centre of Polish Academy of Sciences, Poland ³ State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine</p> <p>ADVANCED TECHNIQUE FOR ESTIMATING THE MONTHLY MEDIAN IONOSPHERIC PARAMETERS AT THE AURORAL REGIONS</p>	09.20-09.40 UTC
9	<p><u>M.O. Shulha</u>^{1,2}, D. V. Kotov¹, O.V. Bogomaz¹, T.G. Zhivolup¹, O.V. Koloskov^{3,4}, A.V. Zalizovski^{3,4,5} V.M. Lisachenko³, A.I. Reznichenko³</p> <p>¹Institute of Ionosphere, NAS and MES of Ukraine, Kharkiv, Ukraine ²National Technical University “Kharkiv Polytechnic Institute”, Kharkiv, Ukraine ³Institute of Radio Astronomy of NASU, Kharkiv, Ukraine ⁴State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine ⁵Space Research Centre of Polish Academy of Sciences, Warsaw, Poland</p> <p>SEASONAL EFFECTS IN VARIATIONS OF ELECTRON DENSITY OVER THE UKRAINIAN ANTARCTIC STATION: RESULTS OF OBSERVATIONS AND MODELLING</p>	09.40-10.00 UTC
10	<p><u>M.O. Shulha</u>^{1,2}, D.V. Kotov¹, O.V. Bogomaz¹, T.G. Zhivolup¹, O.V. Koloskov^{3,4}, A.V. Zalizovski^{3,4,5} V.M. Lisachenko³, A.I. Reznichenko³</p> <p>¹Institute of Ionosphere, NAS and MES of Ukraine, Kharkiv, Ukraine ²National Technical University “Kharkiv Polytechnic Institute”, Kharkiv, Ukraine ³Institute of Radio Astronomy of NASU, Kharkiv, Ukraine ⁴State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine ⁵Space Research Centre of Polish Academy of Sciences, Warsaw, Poland</p> <p>RESULTS OF IONOSPHERE-PLASMASPHERE SYSTEM INVESTIGATION IN THE AMERICAN AND EUROPEAN LONGITUDINAL SECTORS FOR 2020</p>	10.00-10.20 UTC
11	<p><u>O.V. Koloskov</u>^{1,2}, Y.M Yampolski¹, O.V. Budanov¹, Chis Hall³</p> <p>¹Institute of Radio Astronomy of National Academy of Sciences of Ukraine, Kharkiv, Ukraine ²State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine ³UiT The Arctic University of Norway, Tromsø, Norway</p> <p>TWO POSITION ANTARCTIC-ARCTIC “COUNTER” OF INTENSE LIGHTNING DISCHARGES</p>	10.20-10.40 UTC
12	<p><u>O.V. Koloskov</u>^{1,2}, Y.M Yampolski¹, O.V. Budanov¹</p> <p>¹Institute of Radio Astronomy of National Academy of Sciences of Ukraine, Kharkiv, Ukraine ²State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine</p> <p>MONITORING OF THE POWER LINE EMISSION FROM NORTH AMERICA AT THE UKRAINIAN ANTARCTIC AKADEMIK VERNADSKY STATION</p>	10.40-11.00 UTC
13	<p><u>Andriy Zalizovski</u>^{1,2,3}, Volodymyr Lisachenko¹, Bogdan Gavrylyuk^{1,2}</p> <p>¹ Institute of Radio Astronomy of NAS of Ukraine, Kharkiv, Ukraine ² State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine ³ Space Research Centre of Polish Academy of Sciences, Poland</p>	11.00-11.20 UTC

	THE ROLE OF SPORADIC E LAYERS IN LONG DISTANCE HF PROPAGATION TOWARD THE ANTARCTIC PENINSULA	
14	<u>A. A. Shvets</u> ¹ , O.V. Budanov ² , O.V. Koloskov ^{2,3} , A.P. Nickolaenko ¹ , A.V. Shvets ¹ ¹ <i>O.Ya. Usikov Institute for Radiophysics and Electronics of the National Academy of Sciences of Ukraine, Kharkiv, Ukraine</i> ² <i>Institute of Radio Astronomy of the National Academy of Sciences of Ukraine, Kharkiv, Ukraine</i> ³ <i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> DEVIATIONS OF THE AZIMUTH OF ELF BURSTS ASSOCIATED WITH THE “DAY-NIGHT” NONUNIFORMITY	11.20-11.40 UTC
15	<u>A.V. Shvets</u> , A. A. Shvets <i>O.Ya. Usikov Institute of Radio Physics and Electronics of the National Academy of Sciences of Ukraine, Kharkiv, Ukraine</i> TOMOGRAPHY OF THE WORLD THUNDERSTORM ACTIVITY: MODELING FOR TWO SUBPOLAR AND ONE MIDLATITUDE SCHUMANN RESONANCE OBSERVATORIES	11.40-12.00 UTC
16	<u>G.P. Milinevsky</u> ^{1,2} , A.V. Grytsai ¹ , O.M. Evtushevsky ¹ , A. Klekociuk ^{3,4} , O. Ivaniha ¹ , Y. Wang ⁵ ¹ <i>Taras Shevchenko National University of Kyiv, Kyiv, Ukraine</i> ² <i>National Antarctic Scientific Center, Kyiv, Ukraine</i> ³ <i>Antarctic Climate Program, Australian Antarctic Division, Kingston, Australia</i> ⁴ <i>Department of Physics, University of Adelaide, Adelaide, Australia</i> ⁵ <i>College of Physics, International Center of Future Science, Jilin University, Changchun, China</i> POLAR STRATOSPHERIC WARMINGS AND WEATHER PATTERN IN UKRAINE	12.00-12.20 UTC
17	<u>D. Pishniak</u> ¹ , B. Beznoshchenko ² , O. Pavlenko ³ ¹ <i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> ² <i>The Hebrew University of Jerusalem, Rehovot, Israel</i> ³ <i>Central Geophysical Observatory named after Boris Sreznevsky, Kyiv, Ukraine</i> MESOSCALE ATMOSPHERIC PROCESSES OVER THE AKADEMIK VERNADSKY STATION REGION BASED ON SIMULATION AND IN-SITU RESULTS	12.20-12.40 UTC
18	<u>Chyhareva A.</u> ^{1,2} , Krakovska S. ^{1,2} , Gorodetskaya I. ³ , Pishniak D. ² ¹ <i>National Antarctic Scientific Center of Ukraine, Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> ² <i>Ukrainian Hydrometeorological Institute, Kyiv, Ukraine</i> ³ <i>Centre for Environmental and Marine Studies, Department of Physics, University of Aveiro, Portugal</i> PRELIMINARY RESULTS OF PolarWRF APPLICATION FOR CLOUD AND PRECIPITATION STUDY AT UKRAINIAN ANTARCTIC AKADEMIK VERNADSKY STATION	12.40-13.00 UTC
19	<u>V.F.Martazinova</u> , V.E.Tymofeyev <i>Ukrainian Hydrometeorological Institute, the State Emergency Service of Ukraine, Kyiv, Ukraine</i> TOTAL OZONE ANOMALY OVER ANTARCTICA AND PECULIARITIES OF THE ATMOSPHERIC CIRCULATION	13.00-13.20 UTC
20	<u>M. Savenets</u> ¹ , L. Pysarenko ¹ , D. Pishniak ² ¹ <i>Ukrainian Hydrometeorological Institute, State Emergency Service of Ukraine and National Academy of Sciences of Ukraine, Kyiv, Ukraine</i> ² <i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> THE RELATIONSHIP BETWEEN LAND SURFACE TEMPERATURE AND METEOROLOGICAL CONDITIONS ON THE ARGENTINE ISLANDS	13.20-13.40 UTC
21	<u>V.E.Tymofeyev</u> , O.V. Mazepa, O.G. Tatarchuk <i>Ukrainian Hydrometeorological Institute, the State Emergency Service of Ukraine, Kyiv, Ukraine</i> CURRENT STATE OF GLACIOCLIMATE AT THE NORTH ANTARCTIC PENINSULA	13.40-14.00 UTC
22	<u>S. V. Klok</u> ¹ , A. O. Kornus ^{2,3} , O. H. Kornus ² ¹ <i>Ukrainian Hydrometeorological Institute of State Service of Emergencies of Ukraine and National Academy of Sciences of Ukraine, 37, Prospekt Nauky, Kyiv, 03028, sklok_8@ukr.net</i> ² <i>Sumy State University, Rymsky-Korsakov Street, 2, Sumy, 40007, a.kornus@ecolog.sumdu.edu.ua</i> ³ <i>Sumy State Pedagogical University named after A. S. Makarenko, Romenska Street, 87, Sumy, Ukraine, 40002, olesyakornus@gmail.com</i> THE COMPONENTS OF SEASONAL VARIABILITY OF THE SNOW DEPTH IN THE AREA OF THE UKRAINIAN ANTARCTIC AKADEMIK VERNADSKY STATION	14.00-14.20 UTC

May 13, 2021
Thursday
07.00 – 08.45 UTC
(Kyiv UTC + 3)

PHYSICAL SCIENCES

Chairpersons: Oleksandr Koloskov, Andriy Zalizovski

1	V. Komorin, V. Bolshakov, Y. Dikhanov, E. Melnik <i>Research Institution "Ukrainian scientific center of Ecology of Sea", Odesa, Ukraine</i> MAIN RESULTS OF OCEANOGRAPHIC RESEARCH IN THE SOUTH ATLANTIC AND THE ATLANTIC SECTOR OF THE SOUTHERN OCEAN ACCORDING TO THE SEASON DATA 2018-2020	07.00-07.20 UTC
2	P. Zabroda ¹ , L. Pshenichnov ¹ , D. Marichev ² ¹ <i>Institute of Fisheries and Marine Ecology, Berdiansk, Ukraine</i> ² <i>LLC Fishing Company Neptuno, Odessa, 67500 Ukraine</i> THE RESULTS OF OBSERVATIONS USING AN UNDERWATER VIDEO RECORDING SYSTEM IN THE WEDDELL SEA IN 2020	07.20-07.40 UTC
3	L. Pshenichnov <i>Institute of Fisheries and Marine Ecology, Berdiansk, Ukraine</i> HISTORY AND MODERNITY OF WORK OF FISHING VESSELS OF UKRAINE IN THE WATERS OF THE SOUTHERN OCEAN	07.40-08.00
	POSTERS:	08.00-08.45 UTC
1	Yu.S. Andrienko ¹ , G.P. Milinevsky ^{1,2} , V.O. Danylevsky ¹ ¹ <i>Taras Shevchenko National University of Kyiv, Ukraine</i> ² <i>State institution National Antarctic Scientific Center Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> VERTICAL DISTRIBUTION OF OZONE IN THE ATMOSPHERE OVER KYIV AND OVER THE UKRAINIAN ANTARCTIC AKADEMIK VERNADSKY STATION ACCORDING TO UMKEHR DATA	08.00-08.15 UTC
2	Yu.V. Gorishnya <i>O.Ya. Usikov Institute for Radiophysics and Electronics of the National Academy of Sciences of Ukraine; Kharkov, Ukraine</i> SPECTRA OF TWEAK ATMOSPHERICS AND THE IMPACT OF THEIR PATHS' ORIENTATION REGARDING THE GEOMAGNETIC FIELD THROUGH OBSERVATIONS AT UKRAINIAN ANTARCTIC AKADEMIK VERNADSKY STATION	08.15-08.30 UTC
3	O.M. Evtushevsky ¹ , G.P. Milinevsky ^{1,2} and A.V. Grytsai ¹ ¹ <i>Taras Shevchenko National University of Kyiv, Kyiv, Ukraine</i> ² <i>State Institution National Antarctic Scientific Center Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> ANNUAL CYCLE IN THE NORTHERN HEMISPHERE POLAR-TO-MIDLATITUDE OZONE AND ITS RELATION TO STATIONARY WAVE STRUCTURE	08.30-08.45 UTC

May 12, 2021
Wednesday
07.00 – 09.00 UTC
(Kyiv UTC + 3)

NEW TECHNOLOGIES AND EQUIPMENT

Chairpersons: Viacheslav Marchenko

1	V.Bazhenov, <u>O. Lukianchenko</u> , M. Vabishchevych, O. Paliy <i>Kyiv National University of Construction and Architecture (KNUCA), Kyiv, Ukraine</i> PRESSING ISSUES OF TROUBLE-FREE OPERATION AND MODERNIZATION OF THE INFRASTRUCTURE OF THE UKRAINIAN ANTARCTIC AKADEMIK VERNADSKY STATION	07.00-07.20 UTC
2	S. Tsybulnyk <i>Igor Sikorsky Kyiv Polytechnic Institute, Kyiv, Ukraine</i> CURRENT STATE AND PERSPECTIVES ON FUEL TANK PROTECTION	07.20-07.40 UTC
3	<u>Viktor B. Raspopov</u> , Vadim M. Semyanovsky <i>Research and Training Center for Applied Informatics of the National Academy of Sciences of Ukraine, Kyiv, Ukraine</i> YOUTH ECOLOGICAL PROJECT "SOLAR-HYDROGEN ENERGY FOR UKRAINIAN ANTARCTIC AKADEMIK VERNADSKY STATION"	07.40-08.00 UTC
	POSTERS:	08.00-09.20 UTC
1	<u>A. Marusenkov</u> ¹ , S. Leonov ¹ , V. Korepanov ¹ , Yu. Otruba ² , M. Leonov ² ¹ <i>Lviv Center of Institute for Space Research of NAN and SSA of Ukraine, Lviv, Ukraine</i> ² <i>State Institution National Antarctic Scientific Center, Ministry of Education and Science of Ukraine, Kyiv, Ukraine</i> UPGRADE OF THE GEOMAGNETIC OBSERVATORY "ARGENTINE ISLANDS": NEW TECHNOLOGIES AND EQUIPMENT	08.00-08.20 UTC
2	Yu. M. Posypaiko <i>E.O. Paton Institute of Electric Welding, Kyiv, Ukraine</i> MONITORING OF TECHNICAL CONDITION OF TANKS AT UKRAINIAN ANTARTIC AKADEMIK VERNADSKY STATION	08.20-08.40 UTC
3	<u>G. Lizunov</u> , L. Galkovska, O. Parnowski, O. Protas, O. Piankova, V. Reshetnyk <i>Space Research Institute NAS of Ukraine and SSA of Ukraine, Kyiv, Ukraine</i> ON THE ANTARCTIC RESEARCH DATA INFORMATION SYSTEM CONCEPT	08.40-09.00 UTC