MINISTRY OF SCIENCE AND EDUCATION OF THE REPUBLIC OF AZERBAIJAN

BAKU STATE UNIVERSITY



12<sup>th</sup> INTERNATIONAL CONFERENCE

# ACHIEVEMENTS & CHALLENGES IN BIOLOGY

# DEDICATED TO THE 105<sup>th</sup> ANNIVERSARY OF BAKU STATE UNIVERSITY AND THE 90<sup>th</sup> ANNIVERSARY OF THE FACULTY OF BIOLOGY

19-20 December, 2024

PROGRAMME



## **ORGANIZING COMMITTEE**

## Chairman:

Afat Mammadova	Dean of the Faculty of Biology, BSU, Azerbaijan
Deputy chairman:	
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Rovshan Khalilov	Head of the Chair of Biophysics and Biochemistry, BSU, Azerbaijan
Abulfaz Taghiyev	Head of the Chair of Zoology and Physiology, BSU, Azerbaijan
Sevinj Ismayilova	Associate professor, Chair of Botany and Plant Physiology, BSU, Azerbaijan
Sevinj Humbatova	Associate professor, Chair of Zoology and Physiology, BSU, Azerbaijan
Samira Salayeva	Associate professor, Chair of Genetics, BSU, Azerbaijan
Nazakat Mammadova	PhD, Chair of Zoology and Physiology, BSU, Azerbaijan
Nigar Huseynova	PhD, Chair of Biophysics and Biochemistry, BSU, Azerbaijan

## **PROGRAMME COMMITTEE**

## Chairman:

Elshad Gurbanov	Head of the Chair of Botany and Plant Physiology, BSU, Azerbaijan
Members:	
Irada Huseynova	Director-General of the Institute of Molecular Biology and Biotechnologies, Azerbaijan
Dincher Ayaz	Dean of the Faculty of Science, Ege University, Türkiye
Jiri Neustupa	Head of the Chair of Botany, Faculty of Science, Charles University, Czech Republic
Komiljon Tojibaev	Director-General of the Institute of Botany, Uzbekistan
Ismayil Turkan	Dean of the Faculty of Agricultural Sciences and Technology, Yashar University, Türkiye
Kamila Aliyeva	Head of the Chair of Genetics, BSU, Azerbaijan
Rakhmetkazhy Bersimbay	Head of the Chair of General Biology and Genomics, Institute of Cell Biology and Biotechnology, L.N. Gumilyov Eurasian National University, Kazakhstan
Ziyaddin	Head of the Chair of Molecular Biology and
Mammadov	Biotechnology, BSU, Azerbaijan
Bunyamin Akgu	Head of the Chair of Molecular Biology and
Ulviya Hasanova	Genetics, Izmir Institute of Technology, Türkiye Head of the ICESCO Chair of Biomedical Materials, BSU, Azerbaijan
Muhammad Zafar	Professor Emeritus, Quaid-i-Azam University, Chair of Plant Sciences, Quaid-i-Azam University, Pakistan
Ralphreed Hasanov Khudaverdi Ganbarov Aygun Nasibova	Head of Bioengineering Research Laboratory, BSU, Azerbaijan Head of the Scientific Research Laboratory of Microbiology and Virology, BSU, Azerbaijan Associate Professor, Chair of Biophysics and Biochemistry, BSU, Azerbaijan

## **OPENING CEREMONY**

## **Baku Convention Centre**

09:00 - 10:00	Registration
10:00 - 11:30	Opening Ceremony /Group photo

#### **PLENARY SESSION**

## Chairperson: Huseynova Irada (Azerbaijan)

11:30 - 12:00	The role of green taxonomy in innovation of sustainability in medicine, food systems, drug development, and biofuel technology Zafar Muhammad <i>Quaid-i-Azam University, Pakistan</i>
12:00 - 12:30	Development of robust technologies that enabled the development of cost-effective, safe vaccines and therapeutics against COVID-19, malaria, anthrax and other possible infections/diseases, i.e. "Disease X"
	Mammadov Tarlan <sup>1,2</sup>
	<sup>1</sup> Institute of Molecular Biology and Biotechnologies, Azerbaijan <sup>2</sup> Akdeniz University, Türkiye
12:40 - 14:00	Lunch

## **KEYNOTE SPEAKER'S SESSION**

Chairperson: Zafar Muhammad (Pakistan)

Main Academic Building, Main Hall, Baku State University (BSU)

14:00 -14:30	Metabolic changes may precede morphological transformations in cancer cell development: outlook from a lipid point of view Gasimov Oktay
	Institute of Biophysics, Azerbaijan
14:30 - 15:00	Developments in Plant Biology in the postgenomic era
	Turkan Ismayil Yashar University, Türkiye
15:00- 15:30	Light energy conversion into electricity in the purified photosynthetic pigment-protein complexes of photosystem I
	Mamedov Mahir
	Moscow State University, Russian Federation
15:30-16:00	Applications and advances in bioassay methods for ecotoxicological assessment of xenobiotics
	Sayim Ferah <i>Ege University, Türkiye</i>
16:00-16:30	Break/Poster session

## **KEYNOTE SPEAKER'S SESSION**

## Chairperson: Turkan Ismayil (Türkiye)

#### Main Academic Building, Main Hall, BSU



16:30-17:00	Biomonitoring of environmental pollutants in marine ecosystems by bioluminescent bacteria
	Omeroglu Esra Ersoy Ege University, Türkiye
17:00-17:30	Archaea: The third domain of life, initially unnoticed yet as fundamental as the other two (online) Kublanov Ilya
	Hebrew University, Israel
17:30-18:00	Free-living amoeba infections: increasing health threats worldwide after the COVID-19 pandemic (online) Matin Abdul University of Baltistan, Pakistan
18:00-18:30	Biodiversity of the fauna of small mammals in the conditions of transformation of the natural environment of the Southern Aral Sea region Mambetullaeva Svetlana Karakalpak Research Institute of Natural Sciences, Uzbekistan

## **PARALLEL SESSIONS**

#### Session 1: Genetic diversity: issues and solutions

#### **Chairpersons:** Mamedov Mahir (Russian Federation), Gasanov Ralphreed (Azerbaijan)

#### Academic Building II, 2nd floor, room № 203, BSU

09:30-09:45	Study of the hawthorn genome and its breeding value for the country's population
	Guseynova Nazaket
	Baku State University, Azerbaijan
09:45-10:00	DJ-1 and sulfiredoxin in oxidative stress
	management in Drosophila melanogaster
	Alishova Gular, Sangeeta Chawla
	University of York, United Kingdom
10:00-10:15	Cluster analysis of durum wheat (Triticum durum
	Desf.) yield parameters
	Safarova Aliyeva Gamar
	Baku State University, Azerbaijan
10:15-10:30	Study of the genetic diversity of mulberry silkworm breeds and hybrids
	5
	Ramazanova Jala, Mammadov Ayaz
	Western Caspian University, Azerbaijan
10:30-10:45	Study of genetic characteristics of sturgeon fishes
	in the Caspian Sea area belonging to Azerbaijan
	Rzayev Elshad, <b>Taghiyeva Safada</b> Azerbaijan Fish Farm, Azerbaijan

10:45-11:00	Analysis of morphological and physiological changes in different wheat genotypes under the influence of stress factors
	Tamrazov Tamraz Research Institute of Crop Husbandry, Azerbaijan
11:00-11:30	Break/Poster session
11:30 - 11:45	Expression analysis of <i>TaWXPL1D</i> gene in wheat genotypes under drought stress
	Rustamova Samira <sup>1</sup> , <b>Sadikhova Zeyneb</b> <sup>2</sup> , Huseynova Irada <sup>1,2</sup>
	<sup>1</sup> Institute of Molecular Biology and Biotechnologies, Azerbaijan <sup>2</sup> Baku State University, Azerbaijan
11:45- 12:00	Study of the effect of ZnO nanoparticles on the chlorophyll pigment of bean plants exposed to drought stress
	<b>Babanli Safiyakhanim,</b> Ahmadov Ismat, Khalilov Rovshan Baku State University, Azerbaijan
12:00 - 12:15	The role of <i>Danae racemose</i> and <i>Radix glycyrrhizae</i> extracts in restoring the pigment content of the thylakoid membrane damaged by oxidative stress
	<b>Dadashova Sevil<sup>1</sup>,</b> Aghalarov Rufat <sup>2</sup> , Huseynova Nilufar <sup>1</sup> <sup>1</sup> Institute of Botany, Azerbaijan
	<sup>2</sup> Baku State University, Azerbaijan
12:15 - 12:30	Thrombophilia panel testing - significance of analysis of 12 thrombophilic mutations during pregnancy
	Valiyev Emil <sup>1</sup> , Valiyev Ismayil <sup>2</sup>
	<sup>1</sup> Baku State University, Azerbaijan <sup>2</sup> Republican Clinical Urological Hospital named after Academician M.J.Javadzadeh

12:30 - 12:45	The role of nanobiotechnology in remediation of oil-contaminated soils
	Ahmadova Hijran
	Institute of Ecology, Azerbaijan
12:45 - 13:00	Technology of production of drug nanoparticles from plant extracts by green synthesis methods
	<b>Gahramanova Kamala</b> , Ahmadov Ismat, Mammadov Ziyaddin <i>Baku State University, Baku, Azerbaijan</i>
13:00 - 14:00	Lunch
14:00 - 14:15	Impact of gamma radiation on paramagnetic centres in <i>Saccharomyces cerevisiae</i> yeast strain
	<b>Kazimli Leyla</b> <sup>1</sup> , Nasibova Aygun <sup>1,2</sup> , Khalilov Rovshan <sup>1,2</sup>
	<sup>1</sup> Institute of Radiation Problems, Azerbaijan <sup>2</sup> Baku State University, Azerbaijan
14:15 - 14:30	Effect of different nanoparticles on the yield of <i>Early burlat</i> cherry variety
	Ismayilova Lamiya
	Institute of Ecology, Azerbaijan
14:30 - 14:45	Functionalization of surgical meshes with
	antibacterial hybrid Ag@crown nanoparticles
	Hasanova Ulviya, <b>Aliyev Alibala</b> , Israyilova Aygun Baku State University, Azerbaijan
14:45 - 15:00	Evaluation of genetic polymorphism in durum wheat genotypes based on glutenin profiles
	<b>Asadova Nahida,</b> Akhundova Ellada Baku State University, Azerbaijan
15:00 - 15:15	Break/Poster session

15:15 - 15:30	Comparative analysis of metal nanoparticles synthesis methods
	<b>Hasanova Gunay,</b> Omarova Sabina, Abdullayeva Naila, Vazirova Brilyant, Mammadova Afat, Khalilov Rovshan <i>Baku State University, Azerbaijan</i>
15:30 - 15:45	Study of the relationship between indicators of flour yield and test weight on the baking quality of local varieties of bread wheat Hasanova Gatiba <sup>1</sup> , Poladova Gulshan <sup>2</sup> <sup>1</sup> Research Institute of Crop Husbandry, Azerbaijan <sup>2</sup> Institute of Genetic Resources, Azerbaijan
15:45 - 16:00	Population-statistical analysis of cardiovascular diseases among the population of Shamkir district Isgandarova Leyla, Khalilova Fidan, Akbarova-Ben- Tzvi Gunay Baku State University, Azerbaijan

## **PARALLEL SESSIONS**

Session 2-1: Biodiversity: studying adaptive potential and applying molecular-biological research in the restoration of rare species

Chairpersons: Gurbanov Elshad (Azerbaijan), Naraliyeva Nasibakhon (Uzbekistan)

#### Academic Building II, 2nd floor, room Nº 205, BSU

09:30-09:45	Investigation of the microfungi of Dashkasan district: taxonomic composition and host plant diversity
	Apbayeva Khadija, Aghayeva Parvin, Mailova Tamilla, <b>Aghayeva Dilzara</b> Institute of Botany, Baku, Azerbaijan
09:45-10:00	The importance of species and varietal diversity in the global gene pool of cotton collections
	<b>Abbasov Asaf,</b> Aslanova Aynura, Eldarov Sebuhi, Huseynzade Jale
	The Scientific Research Institute of Plant Protection and Technical Plants, Azerbaijan
10:00-10:15	Investigation of Plant Communities Formed by Species of the Genus <i>Suaeda Forssk. ex Scop</i> . in the Flora of Azerbaijan
	Alosmanova Vafa, Bakhshiyev Vazeh Baku State University, Azerbaijan
10:15 -10:30	The role of plants as highly effective bioindicators for heavy metal detection
	Mammadova Adila
	Azerbaijan Medical University, Azerbaijan

10:30 -10:45	Rethinking our consumption habits: ecological footprint and our future
	Balakhanova Qumru Azerbaijan State Pedagogical University, Azerbaijan
10:45 -11:00	Detection of single-stranded (+) RNA genomic viruses in vegetable crops using the DAS-ELISA (Double Antibody Sandwich Enzyme-Linked Immunosorbent Assay) method
	Hasanli Khadija <sup>2</sup> , <b>Quliyeva Aytaj<sup>2</sup></b> , Sultanova Nargiz <sup>1,2</sup> <sup>1</sup> The Institute of Molecular Biology and Biotechnologies, Azerbaijan <sup>2</sup> Baku State University, Azerbaijan
11:00 -11:30	Break/Poster session
11:30 - 11:45	Classification of the Convolvuletum-Argusiosum formation in Absheron National Park Gurbanov Elshad, Huseynova Humira, Mammadli Sabina Baku State University, Azerbaijan
11:45 - 12:00	Development and analysis of the technology for liquid extracts obtained from <i>Chenopodium album</i> L. grown in Azerbaijan Nasrullayeva Gunesh, Maharramova Mehriban, Yusifova Mehriban, Farzaliyev Elsever Azerbaijan State University of Economics, Azerbaijan
12:00 - 12:15	Comparative analysis of the lizards <i>Ophisops</i> <i>elegans</i> (Menetries, 1832), <i>Lacerta strigata</i> (Eichwald, 1831) and <i>Tenuidactylus caspius</i> (Eichwald, 1831) inhabiting the mid-mountain region of the north-eastern slope of the Lesser Caucasus
	Najafov Janbakhish1 <b>, Hashimov Ramin</b> 2 <sup>1</sup> Baku State University, Azerbaijan <sup>2</sup> Azerbaijani Medical University, Azerbaijan

12:15 - 12:30	Quantitative assessment of the <i>Buprestidae</i> family biodiversity distributed in the natural regions of Azerbaijan
	<b>Huseynova Ellada</b> , Aliyeva Narmin Institute of Zoology, Azerbaijan
12:30 - 12:45	Spread of honey bee pest - Varroa mite in the northeastern zone of Azerbaijan
	Gazi Rafiga
12:45 - 13:00	Institute of Zoology, Azerbaijan Parasitic bees of the family Apidae
12:45 - 15:00	ralasitic bees of the family Aplaue
	Huseynzade Guler
	Institute of Zoology, Azerbaijan
13:00 - 14:00	Lunch
14:00 - 14:15	Phytocoenoses formed by leguminous plants in
	the semi-desert vegetation of Yevlakh district:
	conservation and protection
	Mammadova Zulfiyya, <b>Vahidli Aytaj</b>
	Baku State University, Azerbaijan
14:15 - 14:30	Phytotoxicity of soils and soil enzymes' activity in
	the tugay forests along the Kur river floodplain
	Ahmadova Nigar
	Baku State University, Azerbaijan
14:30 - 14:45	Rare threadwing species of Azerbaijan: Lederer's
11100 11110	lacewing - Lertha ledereri (Sélys-Longchamps,
	1866)
	Kerimova Ilhama
	Institute of Zoology, Azerbaijan

14:45 - 15:00	The role of salicylic acid in salt tolerance adaptation of the Aghdash-3 cotton variety ( <i>Gossypium hirsutum</i> L.)
	<b>Khanjanli Sevindj</b> <sup>1</sup> , Amrahov Nurlan <sup>1</sup> , Mammadova Ruhangiz <sup>2</sup> , Mammadov Ziyaddin <sup>1</sup> <sup>1</sup> Baku State University, Azerbaijan <sup>2</sup> Institute of Genetic Resources, Azerbaijan
15:00 - 15:15	The economic importance of mountain xerophytic vegetation and methods for its improvement
	Jabbarov Musa, <b>Asadova Fatima</b> Baku State University, Azerbaijan
15:15 - 15:30	Bioremediation using microorganisms for the restoration of heavy metal-polluted environments in Azerbaijan Heybatov Aslan, Fataliyev Eldost, Sunqarov Ismayil Baku State University, Azerbaijan
15:30 - 15:45	Study of the oxidation index and qualitative composition of flavonoids in samples of bee propolis (Apis propolis)Khalilova Aynur, Abdullayeva Narmina, Huseynova Nigar Baku State University, Azerbaijan
15:45 - 16:00	Identification of fungal species responsible for diseases in quince and pomegranate plants growing in Goygol district Mehdiyeva Lale, Masimova Nurana Baku State University, Azerbaijan

## **PARALLEL SESSIONS**

Session 2-2: Biodiversity: studying adaptive potential and applying molecular-biological research in the restoration of rare species

Chairpersons: Turkan Ismail (Türkiye), Ismayilova Sevinj (Azerbaijan)

Academic Building II, 2nd floor, room Nº 219, BSU

09:30-09:45	Study of respiratory intensity and reductase activity in soft and hard wheat seedlings under salt stress
	<b>Abdiyev Vilayet,</b> Ismayilova Sevinj, Aliyeva Nigar, Djafarzade Boyukhanım, Mammadli Lale, Abdullayeva Mina Baku State University, Azerbaijan
09:45-10:00	The role of hepcidin and ferroportin on the progression of chronic kidney disease Afandiyeva Gulnar Azerbaijan Medical University, Azerbaijan
10:00-10:15	Effect of NO inductor on proline content of <i>Triticum durum</i> Desf. under drought and salinity stresses Allahverdiyeva Sevinj <sup>1</sup> , Amrahov Nurlan <sup>1,2</sup> , Mammadova Afat <sup>1</sup> , Mammadov Ziyaddin <sup>1</sup> , Khudayev Faig <sup>2</sup> , Allahverdiyev Rustam <sup>3</sup> <sup>1</sup> Baku State University, Azerbaijan <sup>2</sup> Azerbaijan Research Institute of Crop Husbandry, Azerbaijan <sup>3</sup> Azerbaijan Medical University, Azerbaijan

10:15 - 10:30	Effect of potassium humate on the growth of red clover ( <i>Trifolium pratense L</i> .) in saline soils
	<b>Muslumova Zohra</b> , Mammadli Sevil, Farajov Mahir Institute of Radiation Problems, Azerbaijan
10:30 - 10:45	Effect of formate ions on photochemical processes in thylakoid membrane
	Cumshudlu Konul
	Institute of Molecular Biology & Biotechnologies, Azerbaijan
10:45 - 11:00	Health indicators of elderly and old-aged people living in Sumgait city
	Karamova Natavan
	Institute of Physiology, Azerbaijan
11:00 - 11:30	Break/Poster session
11:30 - 11:45	Some probiotic properties of proteolytic lactic acid bacteria
	Karimova Telli <sup>1</sup> , Gulahmadova Malahat <sup>2</sup> ,
	Ojaqverdieva Sabina <sup>1</sup> , Gulahmadov Saib <sup>1</sup>
	<sup>1</sup> Baku State University, Azerbaijan
	<sup>2</sup> Institute of Microbiology, Azerbaijan
11:45- 12:00	Effects of a gluten-free diet on patients with autoimmune thyroiditis
	<b>Amiraslan Shahana,</b> Guliyeva Sabina Azerbaijan Medical University, Azerbaijan
12:00 - 12:15	Determination of osteocalcin and osteopontin levels in various types of osteoporosis
	Hasanova Humay, Azizova Gulnara
12:15 - 12:30	Azerbaijan Medical University, Azerbaijan Vitamins of folate cycle in the diffuse large b-cell
12.15 12.50	lymphoma
	Dadashova Arzu
	Azerbaijan Medical University, Azerbaijan

12:30 - 12:45	Palmitic acid: a key component in the study of biophysical properties of cell membranes
	Gasimov Oktay <sup>2</sup> , Umudova Gulandam <sup>1</sup>
	<sup>1</sup> Baku State University, Azerbaijan
	<sup>2</sup> Institute of Biophysics, Azerbaijan
12:45 - 13:00	Investigation of liver alterations in hypothyroidism
	<b>Asgarova Tahira,</b> Yaqubova Vafa, Abilova Rubaya, Rahimli Kamala
	Azerbaijan Medical University, Azerbaijan
13:00 - 14:00	Lunch
14:00 - 14:15	Effect of zinc ions on photosystem II oxygen evolution
	<b>Shafa Rustamova<sup>1,2</sup>,</b> Konul Cumshudlu <sup>1</sup> <sup>1</sup> Institute of Molecular Biology & Biotechnologies, Azerbaijan <sup>2</sup> Baku State University, Azerbaijan
14:15 - 14:30	Effect of a protein-free diet on memory processes
1110 1100	in animals with different types of nervous systems
	Ibrahimova Samira
	Institute of Physiology, Azerbaijan
14:30 - 14:45	Study of the morphological and cultural
	characteristics of bacterial strains isolated from
	the phyllosphere of cotton plants
	Ahmadova Farayat, <b>Aghabalayeva Sevinj</b>
	Baku State University, Azerbaijan
14:45 - 15:00	Electrophysiological study of the role of
	conditioned reflexes in the brain's functional
	mechanism
	Huseynova Ulduz

Baku State University, Azerbaijan

15:00 - 15:15	Morphological and cultural characteristics of lactic acid bacteria strains isolated from the surface of stone fruits collected in Imishli district
	<b>Tagiyeva Pakiza</b> <sup>1</sup> , Jafarov Mirmusa <sup>1,2</sup> , Alkishiyeva Kamala <sup>1</sup> <sup>1</sup> Baku State University, Azerbaijan <sup>2</sup> Institute of Microbiology, Azerbaijan
15:15 - 15:30	Perspectives on the study of laccase enzyme- encoding genes in representatives of the genus <i>Trametes Quel.</i> found in the territory of the Republic of Azerbaijan
	<b>Aliyev Fikrat</b> <sup>1</sup> , Hasanova Arzu <sup>1</sup> , Aliyeva Nurlana <sup>2</sup> <sup>1</sup> Sumgait State University, Azerbaijan <sup>2</sup> Institute of Microbiology, Azerbaijan
15:30 - 15:45	Study of phytocenoses of shrubby vegetation of Mil steppe Asadova Kamala Baku State University, Azerbaijan
15:45 - 16:00	Anaphylactic shock in a female rat following two doses of ceftriaxone injections Bakhshiyeva Alina Baku State University, Azerbaijan

## **PARALLEL SESSIONS**

## Session 3: Aquatic ecosystems, aquaculture, and biomonitoring

#### Chairperson: Sayim Ferah (Türkiye) Ibrahimov Shaiq(Azerbaijan)

## Academic Building II, 3rd floor, room № 303, BSU

10:30 - 10:45	Disagological factures of Lamnagage in Kunguratan
10:30 - 10:45	Bioecological features of <i>Lemnaceae</i> in Kyrgyzstan
	and prospects for their use
	Karimov Bolotbek, Karimov Meder
	Osh State University, Kyrgyzstan
10:45 - 11:00	The impact of transboundary rivers on the
	ecological state of Andijan region
	, ,
	Gʻapporov Fakhriddin, Naraliyeva Nasibakhon,
	Ibroximova Gulbakhor
	Andijan State University, Uzbekistan
	Analjan State Oniversity, Ozbekistan
11:00 - 11:30	Break/Poster session
11:30 - 11:45	Conservation of small mammal fauna biodiversity
11:30 - 11:45	Conservation of small mammal fauna biodiversity as a factor of sustainable development of the
11:30 - 11:45	as a factor of sustainable development of the
11:30 - 11:45	-
11:30 - 11:45	as a factor of sustainable development of the southern Aral sea region
11:30 - 11:45	as a factor of sustainable development of the southern Aral sea region Mambetullaeva Sveta, Utemuratova Gulnarakhan,
11:30 - 11:45	as a factor of sustainable development of the southern Aral sea region Mambetullaeva Sveta, Utemuratova Gulnarakhan, Allamuratova Ziyuar, Khodjalepesova Indira
11:30 - 11:45	as a factor of sustainable development of the southern Aral sea region Mambetullaeva Sveta, Utemuratova Gulnarakhan, Allamuratova Ziyuar, Khodjalepesova Indira Karakalpak Scientific Research Institute of Natural Sciences,
	as a factor of sustainable development of the southern Aral sea region Mambetullaeva Sveta, Utemuratova Gulnarakhan, Allamuratova Ziyuar, Khodjalepesova Indira Karakalpak Scientific Research Institute of Natural Sciences, Uzbekistan
11:30 - 11:45 11:45- 12:00	as a factor of sustainable development of the southern Aral sea region Mambetullaeva Sveta, Utemuratova Gulnarakhan, Allamuratova Ziyuar, Khodjalepesova Indira Karakalpak Scientific Research Institute of Natural Sciences,
	as a factor of sustainable development of the southern Aral sea region Mambetullaeva Sveta, Utemuratova Gulnarakhan, Allamuratova Ziyuar, Khodjalepesova Indira Karakalpak Scientific Research Institute of Natural Sciences, Uzbekistan Herbicides and their effect on fish behaviour
	as a factor of sustainable development of the southern Aral sea region Mambetullaeva Sveta, Utemuratova Gulnarakhan, Allamuratova Ziyuar, Khodjalepesova Indira <i>Karakalpak Scientific Research Institute of Natural Sciences,</i> <i>Uzbekistan</i> Herbicides and their effect on fish behaviour Mammadova Sevinj <sup>1,2</sup>
	as a factor of sustainable development of the southern Aral sea region Mambetullaeva Sveta, Utemuratova Gulnarakhan, Allamuratova Ziyuar, Khodjalepesova Indira Karakalpak Scientific Research Institute of Natural Sciences, Uzbekistan Herbicides and their effect on fish behaviour

12:00 - 12:15	Impact of global climate change on mesoplankton and ichthyofauna biodiversity of the Azerbaijani sector of the South Caspian Sea
	<b>Suleymanov Suleyman,</b> Jalilov Anvar, Samadli Intizar Institute of Zoology, Azerbaijan
12:15 - 12:30	Hydrofauna of Sarisu Lake
	<b>Mehdizadeh Bilal</b> <sup>1</sup> , Aliyev Saleh <sup>1,2</sup> , Suleymanov Suleyman <sup>2</sup> <sup>1</sup> Baku State University, Azerbaijan <sup>2</sup> Institute of Zoology, Azerbaijan
12:30 - 12:45	Zooplankton ( <i>Metazoa</i> ) of the Yenikand reservoir
	Tapdiqova Konul Institute of Zoology, Azerbaijan
12:45 - 13:00	Pest of the Alfalfa plant - <i>Clytra atraphaxidis</i> Pall, 1773
	<b>Shahverdiyeva Zinyat</b> , Abbasova Aynura, Hajiyeva Sakina, Gazi Rafiga, Rzayeva Guntekin, Aliyeva Humay, Gulahmadzade Fatima <i>Institute of Zoology, Azerbaijan</i>
13:00 - 14:00	Lunch
14:00 - 14:15	Analysis of autumn monitoring of swamp birds migrating in the "Beshbarmag Bottleneck" of North-East Azerbaijan Humbatova Sevinj Baku State University, Azerbaijan
14:15 - 14:30	Impact of the Caspian sea's water level decline on
	waterfowl during the wintering period along the
	Absheron coast
	Taghiyev Abulfaz, Musayev Avtandil, <b>Salimova Jale</b> , Badalova Samira, Firuza Gadirzade <i>Baku State University, Azerbaijan</i>

14:30 14:45	Biodiversity of macrozoobenthos of rivers of the northeastern slope of the Greater Caucasus
	Aliyev Saleh <sup>1,2</sup>
	<sup>1</sup> Baku State University, Azerbaijan
	<sup>2</sup> Institute of Zoology, Azerbaijan
14:45 - 15:00	On the study of the macrozoobenthos of Gulalan
1000	and Gimil Lakes
	Aliyev Saleh, Mansimova Ilaha, <b>Malikova Aysel</b>
	Baku State University, Azerbaijan
15:00 - 15:15	Impact of microorganisms on aquatic ecosystems
15.00 15.15	and drinking water quality
	and armining water quanty
	Mammadjan Aysun
	Western Caspian University, Azerbaijan
15:15 - 15:30	On the current ecological state of the Caspian Sea
13.13 - 13.30	and the current state of the Caspian goldfish
	population
	population
	Akhundov Mehman <sup>1</sup> , <b>Alizadeh Nargiz</b> <sup>2</sup>
	<sup>1</sup> Fisheries and Aquaculture Centre, Azerbaijan
	<sup>2</sup> Baku State University, Azerbaijan
15:30 - 15:45	On the study of micro- and macrozoobenthos of
10.00 10.10	Absheron rivers
	Aliyev Saleh, Mansimova Ilaha, Khangeldiyeva
	Narmin
	Baku State University, Azerbaijan
15:45 - 16:00	Ecological status of <i>Acipenseridae</i> and artificial
13.43 - 10.00	reproduction
	Alphundou Mohmon 1 Curhonaliwowa Lamiwa?
	Akhundov Mehman <sup>1</sup> , <b>Gurbanaliyeva Lamiye<sup>2</sup></b> <sup>1</sup> Fisheries and Aquaculture Centre, Azerbaijan
	<sup>2</sup> Fisheries and Aquaculture Centre, Azerbaijan <sup>2</sup> Baku State University, Azerbaijan
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## **PARALLEL SESSIONS**

Session 4: Application of innovative biological research methods in the ecology of living systems, environmental protection, and medicine

Chairpersons: Omeroglu Ersoy Esra (Türkiye), Khalilov Rovshan (Azerbaijan)

Academic Building II, 3rd floor, room № 307, BSU



09:30-09:45	Environmental plasticity of <i>Ulva intestinalis</i> L.: reproductive responses to polluted and unpolluted coastal ecosystems Rizwan Saba
	Jinnah University for Women, Pakistan
09:45-10:00	The role of physical exercise and natural compounds in myocardial regeneration: potential for activation of cardiac stem cells
	<b>Mirzayeva Gunesh<sup>1</sup>,</b> Sultanova Nargiz <sup>2,3</sup>
	<sup>1</sup> Shanghai University, China
	<sup>2</sup> Institute of Molecular Biology and Biotechnologies, Azerbaijan
	<sup>3</sup> Baku State University, Azerbaijan
10:00-10:15	New diagnostic serum biomarkers and hormone
	levels in women with breast cancer
	Karimova Leyla <sup>1</sup> , Azizova Gulnara <sup>2</sup> , Shahverdiyeva
	Ilaha <sup>2</sup>
	<sup>1</sup> Baku State University, Azerbaijan
	<sup>2</sup> Azerbaijan Medical University, Azerbaijan

10:15-10:30	Determination of forest cover change in Shaki- Oghuz districts
	<b>Abiyev Yusif</b> <sup>1</sup> , Mursal Nigar <sup>2</sup> , Valiyeva Aydan <sup>1</sup> ,
	Abbasova Nazira <sup>1</sup>
	<sup>1</sup> Baku State University, Azerbaijan
	<sup>2</sup> Institute of Botany, Azerbaijan
10:30-10:45	The role of phytohormones in plant adaptation
	Yusifova Anahanim, Asadova Basti
	Azerbaijan State Pedagogical University, Azerbaijan
10:45-11:00	Organic compounds against bacteria and fungi
	Gaoussou Binate
	Baku State University, Azerbaijan
11:00-11:30	Break/Poster session
11:30 -11:45	Effect of iron oxide nanoparticles on the growth of
11.50 11.45	maize seedlings cultivated under drought stress
	Aliyeva Naila, Mamedov Ziyaddin, Khalilov Rovshan
	Baku State University, Azerbaijan
11:45-12:00	Biogas potential from livestock manure in Eastern
	Zangazur: a path to sustainable energy
	Yusifova Mahluga, Alizade Shams
	Baku State University, Azerbaijan
12:00 - 12:15	Antimicrobial peptides as crucial biomarkers in
	the diagnosis and pathogenesis of colorectal
	cancer
	Bayramova Narmin, Azizova Gulnara, Hasanova
	Shayman, Mammadova Farah
	Azerbaijan Medical University, Azerbaijan
12:15 - 12:30	Ecolo-biotechnological potential of bioactive
	compounds from extremophiles
	Jafarzadeh Sabina, Iskender Elman
	Institute of Microbiology, Azerbaijan

12:30 - 12:45	Effect of temperature on the development of pigmented actinomycetes
	Ahmadova Farayat <b>, Hasanova Sevda</b> , Guliyeva Sevinj, Suleymanova Gulshan, Suleymanova Durdana, Rahimova Mehnura <i>Baku State University, Azerbaijan</i>
12:45 - 13:00	Determination of sulfate-reducing bacteria (SRB)
	in produced waters taken from wells of the "Oil stones" OGPD
	<b>Hasanova Susan</b> <sup>2</sup> , Zulfaliyeva Leyla <sup>3</sup> , Sultanov Elshan <sup>3,4</sup> , Sultanova Nargiz <sup>1,2</sup>
	<sup>1</sup> Institute of Molecular Biology and Biotechnologies, Azerbaijan
	<sup>2</sup> Baku State University, Azerbaijan <sup>3</sup> Azerbaijan State Oil and Industry University, Azerbaijan
	<sup>4</sup> Oil and Gas Scientific Research Project Institute, SOCAR, Azerbaijan
13:00 - 14:00	Lunch
14:00 - 14:15	Isolation of bacterial exopolysaccharides and their role in medicine
	Mustafazade Aygun <sup>1</sup> , Cantürk Zerrin <sup>2</sup>
	<sup>1</sup> Institute of Molecular Biology & Biotechnologies, Azerbaijan <sup>2</sup> Anadolu University, Türkiye
14:15 - 14:30	Effect of indole-3-acetic acid on the catalase activity of <i>G. hirsutum</i> L. Agdash-3 variety
	subjected to drought
	<b>Yusibov Tural</b> <sup>1</sup> , Amrahov Nurlan <sup>1,2</sup> , Ojagverdiyeva Sabina <sup>1</sup> , Aliyev Elshan <sup>1</sup> , Mammadova Ruhangiz <sup>3</sup> , Mammadov Ziyaddin <sup>1</sup>
	<sup>1</sup> Baku State University, Azerbaijan <sup>2</sup> Institute of Crop Husbandry, Azerbaijan
	<sup>3</sup> Genetic Resources Institute, Azerbaijan

14:30 - 14:45	The statistical analysis of morphometric trait changes in plants using the maple software package for a reliable environmental quality assessment
	<b>Ismayilova Maleyka</b> <sup>1</sup> , Mammadova Roza <sup>2</sup> , Gasimov Gurban <sup>1</sup> , Mammadova Afat <sup>1</sup> <sup>1</sup> Baku State University, Azerbaijan <sup>2</sup> Institute of Soil Science and Agrochemistry, Azerbaijan
14:45 - 15:00	Study of the fatty acid composition of the lipid complex in the peel and seed of common pomegranate
	<b>Suleymanova Aisha</b> <sup>1</sup> , Mukhtarova Gulbeniz <sup>2</sup> <sup>1</sup> Institute of Bioresources, Ganja, Azerbaijan <sup>2</sup> Institute of Petrochemical Processes named after Y. Mammadaliyev, Azerbaijan
15:00 - 15:15	Medicinal properties of representatives of the Asteraceae family and their use in folk economy Gurbanov Elshad, Nagiyeva Gunay Baku State University, Azerbaijan
15:15 - 15:30	Comparative study of Actinomysetes storage methods in culture collections Zakirova Nigar Baku State University, Azerbaijan
15:30 - 15:45	Development of technology and safety research of functional food products based on milk Bunyatzadeh Zamina Odlar Yurdu University, Azerbaijan
15:45 - 16:00	Splitting water into hydrogen and oxygen using biocatalysts under the influence of sunlight Mammadova Shafa Azerbaijan State Pedagogical University, Azerbaijan

## **POSTER SESSION**

## 16:00 - 16:30

## Main Academic Building, 3rd floor, BSU

1.	Molecular-genetic and phylogenetic analysis of the nematode <i>Rhabdias engelbrechti</i> found in south Uzbekistan
	<b>Aliyev Shohjahon</b> , Amirov Oybek Institute of Zoology, Uzbekistan
2.	The role of microbial biosensors in promoting sustainable agriculture and ecological balance
	<b>Bayer Asli</b> , Kamba Hitshika Aisha, Omeroğlu Ersoy Esra Ege University, Türkiye
3.	Association of nitrogen fixation microorganisms in the surface of nodules in wild Perennial Leguminous plants <i>Esparceta</i> <i>Onobrychis</i>
	Umarov Bakhtiyor Tashkent Scientific Research Institute for Vaccines and Serums, Uzbekistan
4.	Isolation and screening of microorganisms from sewage sludge with plastic compounds-degrading potential
	<b>Guirado-Mendoza Luna<sup>1</sup></b> , Robledo-Mahón Tatiana <sup>1,2</sup> , Aranda Elisabet <sup>1,2</sup> and Angeles-De Paz. Gabriela <sup>1</sup> <sup>1</sup> Institute of Water Research, Spain <sup>2</sup> University of Granada, Spain
5.	Bioecological features of representatives of the <i>Asteraceae</i> family distributed in the territory of Aghsu district
	Gurbanov Elshad, <b>Nagiyeva Gunay</b> Baku State University, Azerbaijan

6.	Plant growth-promoting bacteria (PGPB): A green solution to combat soil heavy metal contamination
	<b>Kamba Hitshika Aisha</b> , Bayer Aslı, Omeroğlu Ersoy Esra Ege University, Türkiye
7.	Al-Compost project: enhancing the kinetics of olive mill wastes composting through dephenolization and bioaugmentation strategies
	<b>Velilla S.<sup>1,2</sup>,</b> Cubero-Cardoso J. <sup>1,2</sup> , Guirado-Mendoza L. <sup>1,2</sup> , Robledo- Mahón T. <sup>1,2</sup> , Serrano A <sup>1,2</sup> , Gonzalez-Lopez J. <sup>1,2</sup> , Calvo C. <sup>1,2</sup> , Aranda E. <sup>1,2</sup> <sup>1</sup> Institute of Water Research, Spain
8.	<sup>2</sup> University of Granada, Spain Ecobotanical study of some species of the Crassulaceae D.C. family distributed in the north of the Lesser Caucasus
	Akbarova Chichek, Mammadova Afat Baku State University, Azerbaijan
9.	Dynamics of changes of POL products in different regions of cerebral cortex in epiphysectomised 3-month-old and one- year-old rats
9.	cerebral cortex in epiphysectomised 3-month-old and one- year-old rats Mammadova Nazakat
	cerebral cortex in epiphysectomised 3-month-old and one- year-old rats
	cerebral cortex in epiphysectomised 3-month-old and one- year-old rats Mammadova Nazakat <i>Baku State University, Azerbaijan</i> Silver nanoparticle biosynthesis property of <i>Lactobacillus</i> spp.
10.	cerebral cortex in epiphysectomised 3-month-old and one- year-old rats Mammadova Nazakat <i>Baku State University, Azerbaijan</i> Silver nanoparticle biosynthesis property of <i>Lactobacillus</i> spp. Dİ-10 bacterial strain Jafarov Mirmusa <sup>1,2</sup> , Aslanova Aytaj <sup>1</sup> , Alakbarli Seljan <sup>1</sup> , Babayeva Irada <sup>1</sup> , Alkishiyeva Kamala <sup>1</sup> <sup>1</sup> Baku State University, Azerbaijan

12.	Bioecological characteristics and ecological assessment of some endemic and rare plants of the Absheron peninsula	
	Najafova Fatima	
40	Baku State University, Azerbaijan	
13.	The modern state of the reptilia fauna of Baku city due to urbanization	
	Najafov Janbakhish, <b>Ahmedli Gunay</b>	
	Baku State University, Azerbaijan	
14.	Multilocus phylogeny of the genus Alburnoides with	
	biogeographical implications for the Caucasus region	
	<b>Omelchenko D.<sup>1</sup></b> , Frynta D. <sup>1</sup> , Guliyev A <sup>2</sup> ., Lerch Z. <sup>1</sup> , Mammadov	
	Ch <sup>2</sup> ., Musilová Z. <sup>1</sup> , Šanda R <sup>1</sup> ., Švátora M. <sup>1</sup>	
	<sup>1</sup> Charles University, Czech Republic	
	<sup>2</sup> Baku State University, Azerbaijan	
15.	5. Trophic relationships of lizards with birds in Gobustan	
	Asgarova Sabina, Humbatova Sevinj	
	Baku State University, Azerbaijan	
16.	Antimicrobial activity of lactic acid bacteria isolated from	
	cranberry ( <i>Cornus</i> L.) and mespilus ( <i>Mespilus</i> L.) fruits	
	<b>Aitaj Aliyeva</b> <sup>1</sup> , Malahat Gulahmadova <sup>2</sup> , Sabina Ojagverdiyeva <sup>1</sup> , Saib	
	Gulahmadov <sup>1</sup>	
	<sup>1</sup> Baku State University, Azerbaijan	
4 🗖	<sup>2</sup> Institute of Microbiology, Azerbaijan	
17.	Analysis of the ecological status of some rivers flowing into the Caspian Sea	
	-	
	Guliyeva Laman <sup>1</sup> , Najafova Samira <sup>2</sup>	
	<sup>1</sup> Baku State University, Azerbaijan <sup>2</sup> Institute of Microbiology, Azerbaijan	
18.	Study of morpho-cultural characteristics of bacterial strains	
10.	belonging to the genus <i>Bacillus</i> isolated from the rhizosphere	
	of cotton plant	
	Abmedeue Ferenzet Samedeue Khalida	
	Ahmadova Farayat, <b>Samadova Khalida</b> Baku State University, Azerbaijan	

19.	The main biotopes where birds live during wintering at the
	International Airport named after Heydar Aliyev
	f i i i i i i i i i i i i i i i i i i i
	Gadirzade Firuza, Taghiyev Abulfaz, Gulu-zade Elmir
	Baku State University, Azerbaijan
20	
20.	Investigation of spike length heterosis in $F_1$ hybrids between
	substituted wheat-rye lines and common wheats
	Mustafayeva Samira, Abbasova Sakina, Rahimov Rahim
	Genetic Resources Institute, Azerbaijan
21.	Genetic analysis of barley quality traits
	Rasulova Laman
	Baku State University, Azerbaijan
22.	Determination of fungal species causing disease in cranberry
	(variety – Armudu Zoghal) and pomegranate (variety – Bala
	Mursal) plants
	Mehdiyeva Lala, <b>Masimova Nurana</b> , Alizade Khadija
	Baku State University, Azerbaijan
23.	Phytotoxicity of soils of Binaghadi district of Baku city and the
	main directions of bioremediation
	Aliyeva Nurdan, Ismayilov Nariman
	Baku State University, Azerbaijan
24.	Productivity and resource of some species of the genus Salvia
	L. distributed in the Guba massif
	Mustafayeva Latafat <sup>2</sup> , Mammadova Pari <sup>1</sup>
	<sup>1</sup> Institute of Botany, Azerbaijan
	<sup>2</sup> Gazakh branch of Baku State University, Azerbaijan
25.	Etnobotanical study of wild edible plants spread in
	Nakhchivan Autonomous Republic
	Nasirova Afruz
	Odlar Yurdu University, Azerbaijan
26	Effect of copper ions on photosystem II oxygen evolution
20.	Enert of copper tons on photosystem if oxygen evolution
	Suleymanov Ruslan
	Institute of Molecular Biology & Biotechnologies, Azerbaijan

## **ONLINE ORAL PRESENTATION**

Academic Building II, 4th floor, room № 403, BSU



Session 1: Genetic diversity: issues and solutions

- Chairpersons: Huseynova Nigar (Azerbaijan), Salayeva Samira (Azerbaijan)
- 09:30-09:45 Study of the effect of physical mutagen on cotton seeds

Zeynalova Intizar, **Eyyubova Gulabatin** Scientific Research Institute of Plant Protection and Technical Plants, Azerbaijan

Session 2: Biodiversity: studying adaptive potential and applying molecular-biological research in the restoration of rare species

- Chairpersons: Huseynova Nigar (Azerbaijan), Salayeva Samira (Azerbaijan)
- 09:45-10:00 Bioclimatic modelling of the species *Cousinia knorringiae* Bornm. (*Asteraceae*)

Gulomov Rustam Namangan State University, Uzbekistan

10:00-10:15Rare Medicago sativa L. communities in<br/>Uzbekistan and assessment of their current state

Saitjanova Umida, Shomurodov Habibullo Institute of Botany, Uzbekistan

10:15-10:30	Comparative analysis of chloroplast DNA characteristics of climatically adapted <i>Tetradium</i> <i>daniellii</i> (Benn) from Uzbekistan with genomes of naturally distributed individuals in China
	<b>Mamadjanova Munavvar</b> <sup>1</sup> , Naraliyeva Nasibakhon <sup>2</sup> , Karimov Bobur <sup>3</sup> , Yusupov Ziyoviddin <sup>3</sup> , Zulunov Islom <sup>2</sup> , Ergasheva Gulmira <sup>2</sup> <sup>1</sup> Namangan State University, Uzbekistan <sup>2</sup> Andijan State University, Uzbekistan <sup>3</sup> Institute of Botany, Uzbekistan
10:30-10:45	Potential impacts of climate change on the geographic distributions of <i>Euphorbia davidii</i> Subils and <i>Euphorbia ferganensis</i> B.Fedtsch. in central Asia: a maxent species distribution modeling approach Najmiddinov Asilbek, Batoshov Avazbek Namangan State University, Uzbekistan
10:45-11:00	The scientific discussion of key issue aspects of lead overindulgence, biomonitoring obstacles and environmental protection impediments Sulashvili Nodar, Davitashvili Magda, Gorgaslidze Nana, Gabunia Luiza, Alavidze Nato, Giorgobiani Marina, Abuladze Nino, Gabunia Ketevani, Sulashvili Marika, Okropiridze Tamar Iakob Gogebashvili Telavi State University, Georgia
11:00-11:15	Silver nanoparticles obtained by "green synthesis" and their effect on <i>Dunaliella salina</i> cells <b>Vazirova Brilliant</b> , Omarova Sabina, Jalilova Aynura, Aliyev Ilyas, Hasanova Gunay, Khalilov Rovshan <i>Baku State University, Azerbaijan</i>

11:15-11:30	Temperature impact on antibiotic removal by solid-state anaerobic digestion of swine manure
	<b>Trujillo-Reyes Ángeles</b> <sup>1,2</sup> , Purswan Jessica <sup>1,2</sup> , Postigo Cristina <sup>1,3</sup> , Aranda Elisabet <sup>1,2</sup> , Serrano Antonio <sup>1,2</sup> <sup>1</sup> Institute of Water Research, Spain <sup>2</sup> University of Granada, Spain <sup>3</sup> Technologies for Water Management and Treatment Research Group, Spain
11:30-11:45	Impact of micro-aeration on fungal community from anaerobic digestion
	<b>Robledo-Mahón Tatiana</b> <sup>1,2</sup> , Serrano Antonio <sup>1,2</sup> , Postigo Cristina <sup>1,3</sup> , Aranda Elisabet <sup>1,2</sup> , Trujillo-Reyes Ángeles <sup>1,2</sup> <sup>1</sup> Institute of Water Research, Spain <sup>2</sup> Department of Microbiology, University of Granada, Spain <sup>3</sup> Department of Civil Engineering, University of Granada, Spain
11:45-12:00	Olive mill solid waste composting at demonstrative-scale by innovative technologies
	<b>Cubero-Cardoso J.</b> <sup>1,2</sup> , Velilla-Delgado, S. <sup>1,2</sup> , Robledo- Mahón T. <sup>1,2</sup> , Serrano, A. <sup>1,2</sup> , Gonzalez-Lopez, J. <sup>1,2</sup> , Aranda E. <sup>1,1</sup> , Calvo C. <sup>1,1</sup> <sup>1</sup> Institute of Water Research, Spain <sup>2</sup> University of Granada, Spain
12:00-12:15	Comparative analysis of the commercial ichthyofauna of the Aydar-Arnasay lakes system Mirzayev Ulugbek, Azizov Nabi
12:15-13:00	Institute of Zoology, Uzbekistan Lunch

Session 3: Aquatic ecosystems, aquaculture, and biomonitoring	
Chairpersons:	Taghiyev Abulfaz (Azerbaijan), Humbatova Sevinj (Azerbaijan)
13:00-13:15	New records of freshwater <i>Algae</i> from the Naryn river (Uzbekistan)
	<b>Ikramov Nuriddin,</b> Tojiboev Sharobitdin Namangan State University, Uzbekistan
Session 4: Application of innovative biological research methods in the ecology of living systems, environmental protection, and medicine	
Chairpersons: Salayeva Samira (Azerbaijan), Mammadova Roza (Azerbaijan)	
13:15-13:30	The subfamily <i>Mirinae</i> (Hahn, 1831) distributed in the Fergana valley
	Hudoyberdieva Marifat <sup>1</sup> , Mirzayeva Gulnara <sup>2</sup> ,
	Qurbonov Abduburxon <sup>1</sup> , Mamadaliyeva E'tibor <sup>1</sup>
	<sup>1</sup> Tashkent Medical Academy, Uzbekistan <sup>2</sup> Institute of Zoolog, Uzbekistan
13:30-13:45	Microbial biodiversity and its role on soil health and agriculture resilience in Mediterranean drylands
	López-Rodríguez María del Mar <sup>1</sup> , Saia Sergio <sup>3</sup> ,
	Purswani Jessica <sup>1,2</sup> , Pozo Clementina <sup>1,2</sup> , Calvo Concepción <sup>1,2</sup> , Robledo-Mahón Tatiana <sup>1,2</sup> , Aranda
	Elisabet <sup>1,2</sup>
	<sup>1</sup> Institute of Water Research, Spain
	<sup>2</sup> University of Granada, Spain <sup>3</sup> Università di Pisa, Italy

13:45-14:00	Impact of seasonal changes in soil moisture to the vegetation of some useful species (in the conditions of the Namangan hills)
	<b>Toshmirzaeva Gavkharkhan</b> <sup>1</sup> , Naralieva Nasibakhan <sup>2</sup> <sup>1</sup> Namangan State University, Uzbekistan
	<sup>2</sup> Andijan State University, Uzbekistan
14:00-14:15	Impact of climate change on mountain ecosystems of the northeastern part of the Lesser Caucasus and adaptation of plants Aslanova Yegana, Aslan Isfandiyar
	Ganja State University, Azerbaijan
14:15-14:30	The species distribution of <i>Ziziphora</i> L. in the flora of Uzbekistan Mirzayeva Saodat, Naraliyeva Nasibakhon, Sayfieva Mehriniso, Zulunov Islom <i>Andijan State University, Uzbekistan</i>
14:30-14:45	Bioecology of the beet moth (Scrobipalpa
	ocellatella Boyd, 1858) in the sugar beet agrocenosis Gazi Saliga, Rzayeva Guntekin, Hamzayeva Gulara Institute of Zoology, Azerbaijan
14:45-15:00	Distribution of Rosa canina L. in some districts of
	<b>Uzbekistan</b> <b>Ismonova Gulmira</b> , Ibroximova Gulbahor, Kimsanov Sherzod, Abdumutalipov Ro'zimuxammad, Soipov Raxmatullax <i>Andijan State University, Uzbekistan</i>
15:00-15:15	Phylogenetic relationships of nematodes of the
	superfamily <i>Trichostrongylidae</i> Leiper, 1908
	<b>Amirov Oybek<sup>1</sup>,</b> Ibrohimov Anvar <sup>2</sup> , Karimova Rokhatoy <sup>1</sup>
	<sup>1</sup> Institute of Zoology, Uzbekistan
	<sup>2</sup> Namangan State University, Uzbekistan

15:15-15:30	Species diversity of mycocomplexes in the rhizosphere of perennial legumes Aliyeva Gulnar Sumgait State University, Azerbaijan
15:30-15:45	A new record of the genus <i>Platinaspis</i> distributed in the Fergana valley ( <i>Coleoptera: Coccinellidae</i> ) Gafurova Saodat <sup>1</sup> , Kholmatov Bakhtiyor <sup>2</sup> , Amirov Oybek <sup>2</sup> <sup>1</sup> Namangan State University, Uzbekistan <sup>2</sup> Institute of Zoology, Uzbekistan
16:00-17:00	Closing Ceremony