



BAKU STATE UNIVERSITY

11th INTERNATIONAL CONFERENCE:

SCIENTIFIC ACHIEVEMENTS AND CHALLENGES
IN BIOLOGY

Devoted to 120th anniversary of professor Mirali Akhundov

OCTOBER 13-14, 2022

BAKU STATE UNIVERSITY

BAKU, AZERBAIJAN



PROGRAMME

(Hybrid format)

Co-organizers:



ISLAMIC WORLD EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION
ORGANIZATION OF ISLAMIC SCIENCE FOR EDUCATION, LED BY THE CAUCASUS

Scientific support:





11th INTERNATIONAL CONFERENCE:

SCIENTIFIC ACHIEVEMENTS AND CHALLENGES IN BIOLOGY

OCTOBER 13-14, 2022

BAKU STATE UNIVERSITY | BAKU, AZERBAIJAN

October 13, Thursday

Opening Ceremony

Baku State University, Main Hall

[Link to session](#)

09:00 - 10:00	Registration
10:00 - 11:30	Opening Ceremony
11:30 -12:00	Coffee break / Poster session I
12:00 -12:30	Power of Genomics: Perspective and Future Potential Raheel Qamar <i>Islamic Educational, Scientific and Cultural Organization (ICESCO), Rabat, Kingdom of Morocco</i>
12:30 - 13:00	Molecular Mechanisms of Drug Resistance in Cancer Yusuf Baran <i>Izmir Institute of Technology, Izmir, Türkiye</i> Group photo
13:00 - 14:00	Lunch
Keynote session Main Hall Link to session	
14:00– 14:30	Challenges and perspectives on the Biology platform of the Baku State University Mammadova Afat <i>Baku State University, Baku, Azerbaijan</i>
14:30 - 15:00	Molecular and cellular mechanisms of radon-induced lung cancer Rahmetkhazy I. Bersimbay <i>L.N. Gumilyov Eurasian National University, Nur-Sultan, Kazakhstan</i>

15:00 - 15:30	Endogenous iron-containing nanoparticles in biological systems Khalilov Rovshan <i>Baku State University, Baku, Azerbaijan</i>
15:30 -16:00	Coffee break / Poster session I
Session 1-1: Genetics / Genetics, Molecular biology, Microbiology Chair: Ilham Shahmuradov (Azerbaijan), Eldar Gasimov (Azerbaijan) Secretary: Shader Alizade Main Hall Link to session	
16:00 - 16:15	Ultrastructure of the ferritin molecules in the nucleolasm of gingival cells in patients with β-thalassemia Gasimov Eldar, Isayev Orkhan, Shadlinskaya Ramida, Israfilova Sabina <i>Azerbaijan Medical University, Baku, Azerbaijan</i>
16:15 - 16:30	Comparison of human and mouse tyrosinekinase genes Yusifova Fidan ¹ , Samadova Turkan ² , Shahmuradov Ilham ^{1,3} ¹ <i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i> ² <i>Montpellier Cancer Research Institute (IRCM), Montpellier, France</i> ³ <i>Institute of Biophysics, Baku, Azerbaijan</i>
16:30 - 16:45	Comparative promoter analysis of protein genes in pomegranate varieties Dadashova Afet ¹ , Abdulazimova Amina ¹ , Gasimov Karim ² , Shahmuradov Ilham ^{1,2} ¹ <i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i> ² <i>Institute of Biophysics, Baku, Azerbaijan</i>
16:45 - 17:00	Genome level evaluation of HCV prevalence values in Samsun region in 2022 (online) Mehmet Hakan Taşkin, Kariptaş Ergin <i>Samsun University, Samsun, Türkiye</i>
17:00 -17:15	Natural colored cotton Yusibova Guluza ¹ , Abdulaliyeva Gulshan ² , Mammadova Rahangiz ² ¹ <i>Baku State University, Baku, Azerbaijan</i> ² <i>Genetic Resources Institute, Baku, Azerbaijan</i>
17:15 -17:30	Identification of <i>GALT</i> gene mutations from different ethnic groups of the Azerbaijan population Aliyeva Kamila ¹ , Huseynova Lala ² ¹ <i>Baku State University, Baku, Azerbaijan</i> ² <i>Azerbaijan Medical University, Baku, Azerbaijan</i>
17:30 -17:45	Molecular and genetic mechanisms effect of nanographene neuro-peptide-oleocanthal (nona) for inhibition of Alzheimer in rat model (online) Zaefiizadeh Mahdiyeh ¹ , Caliskan Figen ² , Rajabvand Narges ¹ , Ibadullayeva Sayyara ³ , Zaefizadeh Mohammad ⁴

	<p>¹Islamic Azad University, Ardabil, Islamic Republic of Iran</p> <p>²Eskisehir Osmangazi University, Eskisehir, Türkiye</p> <p>³Institute of Botany, Baku, Azerbaijan</p> <p>⁴Ardabil University of Medical Sciences, Ardabil, Islamic Republic of Iran</p>
17:45 -18:00	<p>Antimutagenic activity of an antioxidant of various concentrations on the roots of wheat seeds before and after exposure to electromagnetic waves</p> <p>Babayev Medjnun, Davudov Benyameddin, Mehdieva Sakina Baku State University, Baku, Azerbaijan</p>

Parallel sessions

Session 1-2: Microbiology / Genetics, Molecular biology, Microbiology

Chair: Ziyaddin Mammadov (Azerbaijan), Svetla Danova (Bulgaria)

Secretary: Sevda Hasanova

Round Hall

[Link to session](#)

16:00 - 16:15	<p>Biotechnological potential of edible species of <i>Xylophilic macromycetes</i> spread in Azerbaijan</p> <p>Muradov Panah, Aliyeva Basti Institute of Microbiology, Baku, Azerbaijan</p>
16:15 - 16:30	<p>Georgieva Almira^{1,2}, Miteva-Staleva Jeni¹, Krumova Ekaterina¹, Dobрева Ana³, Vilhelmova-Ilieva Neli¹, Mileva Milka¹</p> <p>¹The Stephan Angeloff Institute of Microbiology, Bulgarian Academy of Sciences, Sofia, Bulgaria</p> <p>²Institute of Neurobiology, Bulgarian Academy of Sciences, Sofia, Bulgaria</p> <p>³Institute for Roses and Aromatic Plants, Agricultural Academy, Kazanlak, Bulgaria</p>
16:30 - 16:45	<p>Antioxidant activity of methanolic extract of cyanobacteria (online)</p> <p>Memmedova Ayten Eskisehir Technical University, Eskisehir, Türkiye</p>
16:45 - 17:00	<p>Review on the production of microbial pigments as natural color sources</p> <p>Hajiyeva Sona Food Safety Laboratory named after Nobel laureate Aziz Sanjar, Azerbaijan State University of Economics (UNEC), Baku, Azerbaijan</p>
17:00 - 17:15	<p>Molecular mechanism analysis of multidrug resistance (MDR) in <i>Escherichia coli</i> isolates (online)</p> <p>Menshari Mahsa, Zaefizadeh Mohammad Islamic Azad University, Ardabil, Islamic Republic of Iran</p>
17:15 - 17:30	<p>Effect of different sucrose concentrations on seed germination of promising Alfalfa varieties</p> <p>Mustafayeva Gunay, Asadova Sadagat Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</p>

17:30 - 17:45	<p>Molecular and biological aspects of the immunohistochemical marker PHH3 in breast cancer</p> <p>Nuriyeva Gumru¹, Kalantarli Samira² ¹<i>Baku State University, Baku, Azerbaijan</i> ²<i>MedEra Hospital, Baku, Azerbaijan</i></p>
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Parallel sessions

Session 2: Biophysics, Biochemistry, Nanobiotechnology
Chair: Ralphrid Hasanov (Azerbaijan), Rovshan Khalilov (Azerbaijan)
Secretary: Nigar Huseynova

316 Hall

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16:00 - 16:15	<p>Toxicity Biomarkers</p> <p>Turksoy Vugar Ali¹, Ahmadian Elham², Eftekhari Aziz², Kavetsky Taras³ ¹<i>Yozgat Bozok University, Yozgat, Türkiye</i> ²<i>Tabriz University of Medical Sciences, Tabriz, Islamic Republic of Iran</i> ³<i>The John Paul II Catholic University of Lublin, Lublin, Poland</i></p>
16:15 - 16:30	<p>The role of vitamin D and human cartilage glycoprotein in osteoporosis</p> <p>Azizova Gulnara, Hasanova Naila, Museyibova Ayla <i>Azerbaijan Medical University, Baku, Azerbaijan</i></p>
16:30 - 16:45	<p>Effect of AL₂O₃ nanoparticles on polyphenol oxidase activity in soft wheat (<i>Triticum aestivum</i> L.) varieties</p> <p>Mammadova Saadat¹, Amrahov Nurlan¹, Omarova Sabina¹, Abdullayev Abidin² ¹<i>Baku State University, Baku, Azerbaijan</i> ²<i>Azerbaijan Research Institute of Crop Husbandry, Baku, Azerbaijan</i></p>
16:45 - 17:00	<p>Analysis of the action of ultrasound field on erythrocytes – as a model of their behavior in the vessel</p> <p>Sultanova Gulnar¹, Mammadova Khayala^{1,2} ¹<i>Institute of Botany, Baku, Azerbaijan</i> ²<i>Azerbaijan Medical University, Baku, Azerbaijan</i></p>
17:00 - 17:15	<p>Dependence of antimicrobial activity of strain P on environmental factors</p> <p>Muxtarova Asmar, Abdullayeva Narmina, Huseynova Nigar, Abdullayeva Naila <i>Baku State University, Baku, Azerbaijan</i></p>

Parallel sessions

Session 3: Botany, Flora conservation
Chair: Elshad Gurbanov (Azerbaijan), Khudaverdi Gambarov (Azerbaijan)
Secretary: Afag Rzayeva

Library

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16:00 - 16:15	Database of ornamental herbs of Guba and Gusar districts Aghayeva Parvin <i>Institute of Botany, Baku, Azerbaijan</i>
16:15 - 16:30	Worm wood semi-deserts of the Mil plain of Kura-Aras lowland Gurbanov Elshad, Asadova Kamala <i>Baku State University, Baku, Azerbaijan</i>
16:30 - 16:45	Introduction of new apple (<i>Malus</i> Mill.) species in Absheron Arabzadeh Aynur <i>Central Botanical Garden, Baku, Azerbaijan</i>
16:45 - 17:00	Effect of drought and salt stresses on the activity of the enzyme alcohol dehydrogenase in maize leaves Aliyeva Nigar <i>Baku State University, Baku, Azerbaijan</i>

Parallel sessions

Session 4. Physiology, Zoology and Aquaculture

Chair: Arif Mekhtiyev (Azerbaijan), Chingiz Mamedov (Azerbaijan)

Secretay: Sevinj Humbatova

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[Link to session](#)

16:00 - 16:15	Interaction between the amygdala and the visual system in Alzheimer's disease and epilepsy Panakhova Elmira² , Hashimova Ulduz ² , Allahverdiyeva Arzu ² , Javadova Kamala ² , Huseynova Nigar ² , Miryusifova Khuraman ² , Abbasova Laman ¹ , Malikova Gunay ² ¹ <i>Baku State University, Baku, Azerbaijan</i> ² <i>Institute of Physiology, Baku, Azerbaijan</i>
16:15 - 16:30	The settlement of birds in biotopes arriving for breeding in the Gizilagaj National Park Taghiyev Abulfaz, Karimova Natavan <i>Baku State University, Baku, Azerbaijan</i>
16:30 - 16:45	Formation and ultrasound diagnostics of reproductive schools of sterlet (<i>Acipenser ruthenus</i> Linnaeus, 1758) in Azerbaijan Safarova Amina, Mamedov Chingiz <i>Baku State University, Baku, Azerbaijan</i>
16:45 - 17:00	Scanning electron microscopic study of <i>Testate amoebae</i> (<i>Amoebozoa</i>, <i>Testacea</i>) from Lankaran fresh water basins

Tahirova Elyana
Institute of Zoology, Baku, Azerbaijan

Parallel sessions

Session 5. Systems' Ecology

Chair: Nariman Ismayilov (Azerbaijan), Zaman Mammadov (Azerbaijan)

Secretary: Roza Mammadova

Museum of Evolution

[Link to session](#)

16:00 - 16:15	Assessment of the genus <i>Quercus</i> L. species as bioindicators of environmental quality in Azerbaijan Mammadova Afat ¹ , Mammadova Roza ² ¹ <i>Baku State University, Baku, Azerbaijan</i> ² <i>Institute of Soil Science and Agrochemistry, Baku, Azerbaijan</i>
16:15 - 16:30	The problem of the negative impact of animal waste on the environment Hajiyeva Sevinj, Valiyeva Zarifa, Aliyeva Tarana, Samadova Aytan <i>Baku State University, Baku, Azerbaijan</i>
16:30 - 16:45	The importance of systemic environmental research for the sustainable economic and social development of Azerbaijan Ismayilov Nariman ¹ , Mammadova Afat ² ¹ <i>Institute of Microbiology, Baku, Azerbaijan</i> ² <i>Baku State University, Baku, Azerbaijan</i>
16:45 - 17:00	About content of heavy metals in plants in territories polluted with oil waste Bakhishli Farah, Aliyeva Gulkhanim <i>Azerbaijan Medical University, Baku, Azerbaijan</i>
17:00 - 17:15	Study of radioprotector properties of zinc inosinate complex Shamilov Elshan ¹ , Abdullayev Asim ¹ , Farajov Mahir ¹ , Alasgarov Azizbala ¹ , Calilova Afiqa ² ¹ <i>Institute of Radiation Problems, Baku, Azerbaijan</i> ² <i>Ministry of Ecology and Natural Resources, National Hydrometeorological Service, Baku, Azerbaijan</i>

October 14, Friday

Keynote
session
Main Hall

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09:30 - 10:00	Molecular biology and proteomics research to enhance crop production in Azerbaijan: towards sustainable food security Zulfugarov Ismayil <i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i>
10:00 - 10:30	Conservation Biology Studies in Türkiye Dincher Ayaz <i>Faculty of Science, Ege University, Izmir, Türkiye</i>
10:30 - 11:00	The problems of acquiring resistance of microbes to drugs and the search for new antimicrobial agents Khudaverdi Ganbarov <i>Baku State University, Baku, Azerbaijan</i>
11:00 - 11:30	Lactic acid bacteria and health - how the mission is possible? Danova Svetla <i>The Stephan Angeloff Institute of Microbiology, Bulgarian Academy of Sciences, Sofia, Bulgaria</i>
1130 - 12:00	Coffee break / Poster session II

Parallel sessions

Session 1-1: Genetics / Genetics, Molecular biology, Microbiology
Chair: Ilham Shahmuradov (Azerbaijan), Eldar Gasimov (Azerbaijan)
Secretary: Shader Alizade
Main Hall

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12:00 - 12:15	Assessment of genetic diversity in <i>Aegilops tauschii</i> collection using GBS-based SNP markers Abbasov Mehraj ¹ , Akhundova Ellada ² ¹ <i>Genetic Resources Institute, Baku, Azerbaijan</i> ² <i>Baku State University, Baku, Azerbaijan</i>
12:15 - 12:30	Evaluation of cotton genotypes resistant to Verticillium wilt Mammadova Ruhangiz ^{1,2} , Alizade Shader ^{1,2} , Amrahov Nurlan ¹ , Yusibova Guluze ¹ , Huseyinli Gulnar ¹ ¹ <i>Baku State University, Baku, Azerbaijan</i> ² <i>Genetic Resources Institute, Baku, Azerbaijan</i>
12:30 - 12:45	Genome level evaluation of HCV prevalence values in Samsun region in 2022 (online)

	Mehmet Hakan Taşkin, Karıptaş Ergin <i>Samsun University, Samsun, Türkiye</i>
12:45 -13:00	Application of ISSR markers for estimation of genetic diversity in durum wheat Asadova Nahida <i>Baku State University, Baku, Azerbaijan</i>
13:00 -14:00	<i>Lunch</i>

Parallel sessions

Session 1-2: Microbiology / Genetics, Molecular biology, Microbiology

Chair: Ziyaddin Mammadov (Azerbaijan), Svetla Danova (Bulgaria)

Secretary: Sevda Hasanova

Round Hall

[Link to session](#)

12:00 - 12:15	Waste to energy production by anaerobic microbial consortium identified with metagenomics Kabaivanova Lyudmila, Hubenov Venelin, Petrova Penka <i>The Stephan Angeloff Institute of Microbiology, Bulgarian Academy of Sciences, Sofia, Bulgaria</i>
12:15 - 12:30	Effect of penicillium oxalicum on enhancing sewage sludge compost, using an in situ bioaugmentation (online) Gabriela Angeles-De Paz ¹ , Rafael Morcillo- Leon ¹ , Sifia Guzman-Garcia ¹ , Margarita Garcia-Mazuella ¹ , Maximino Manzanera ^{1,2} , Concepcion Calvo ^{1,2} , Clementina Pozo ^{1,2} , Aranda E ^{1,2} ¹ <i>Environmental Microbiology, Institute of Water Research, University of Granada, Spain</i> ² <i>Department of Microbiology, Faculty of Pharmacy, University of Granada, Spain</i>
12:30 - 12:45	Polysaccharide-based capsules for potential treatment of coronavirus infection Vilhelmova-Ilieva Neli ¹ , Georgieva Almira ^{1,2} , Tzvetanova Elina ^{1,2} , Milkova Viktoria ³ , Kamburova Kamelia ³ , Gyurova Anna ³ , Dimitrov Ivaylo ³ , Petar Martinov ³ , Petrova Zdravka ^{1,4} , Mileva Milka ¹ ¹ <i>The Stephan Angeloff Institute of Microbiology, Bulgarian Academy of Sciences, Sofia, Bulgaria;</i> ² <i>Institute of Neurobiology, Bulgarian Academy of Sciences, Sofia, Bulgaria;</i> ³ <i>Institute of Physical Chemistry, Bulgarian Academy of Sciences, Sofia, Bulgaria;</i> ⁴ <i>Institute of Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences, Sofia, Bulgaria</i>
12:45 - 13:00	Antimicrobial profile of ethyl-4-methyl-6-phenyl-2-oxo cyclohex-3-en-1-carboxylate; a probable novel anti-<i>Klebsiella pneumoniae</i> compound Shoaib Muhammad ¹ , Ganbarov Khudaverdi ² ¹ <i>PMAS Arid Agriculture University, Rawalpindi, Pakistan</i>

	² <i>Baku State University, Baku, Azerbaijan</i>
13:00 - 14:00	Lunch

Parallel sessions

Session 2: Biophysics, Biochemistry, Nanobiotechnology
Chair: Ralphrid Hasanov (Azerbaijan), Rovshan Khalilov (Azerbaijan)
Secretary: Nigar Huseynova

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12:00 - 12:15	Effect of synthetic Cu (II) compounds on the photochemical activity of photosystem II Shabanova Mehriban¹, Khalilova Leyla^{1,2}, Allakhverdiev Suleyman³ ¹ <i>Baku State University, Baku, Azerbaijan</i> ² <i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i> ³ <i>K.A. Timiryazev Institute of Plant Physiology, Russian Academy of Sciences, Moscow, Russian Federation</i>
12:15 - 12:30	Molecular characteristics of Polyglucin and Rheopolyglucin Surkhayli Afsana, Bagirova Aynur, Pashayev Bakhtiyar <i>Baku State University, Baku, Azerbaijan</i>
12:30 - 12:45	Study of biophysical parameters in pelvic grape snails with metal nanoparticles Nasibova Aygun^{1,2}, Heybatova Naringul² ¹ <i>Institute of Radiation Problems, Baku, Azerbaijan</i> ² <i>Baku State University, Baku, Azerbaijan</i>
12:45 - 13:00	Effect of ionizing gamma radiation on lactic acid bacteria Kazimli Leyla², Nasibova Aygun^{1,2} ¹ <i>Baku State University, Baku, Azerbaijan</i> ² <i>Institute of Radiation Problems, Baku, Azerbaijan</i>
13:00 - 14:00	Lunch

Parallel sessions

Session 3: Botany, Flora conservation
Chair: Elshad Gurbanov (Azerbaijan), Khudaverdi Gambarov (Azerbaijan)
Secretary: Afag Rzayeva

Library

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12:00 - 12:15	Micromycete diversity on the species of the genus <i>Quercus</i> L. in mycological herbaria Isgandarli Elnara, Aghayeva Dilzara <i>Institute of Botany, Baku, Azerbaijan</i>
12:15 - 12:30	Morpho-physiological indicators of pumpkins grown under conditions of chloride salination and with phosphorus deficiency

	<p>Tahirli Sevda¹, Humbatova Marziya¹, Aleskerova Fidan² ¹<i>Baku State University, Baku, Azerbaijan</i> ²<i>Institute of Botany, Baku, Azerbaijan</i></p>
12:30 - 12:45	<p>Hemerobia and ecological features of some rare species in the north-east part of the Greater Caucasus</p> <p>Nigar Mursal <i>Institute of Botany, Baku, Azerbaijan</i></p>
12:45 - 13:00	<p>Phytodiversity of forest massifs of Shabran district</p> <p>Abdiyeva Rena, Mehdiyeva Naiba, Asadova Kamala, Abdullayeva Ayan <i>Institute of Botany, Baku, Azerbaijan</i></p>
13:00 - 14:00	Lunch

Parallel sessions

Session 4: Physiology, Zoology and Aquaculture

Chair: Arif Mekhtiyev (Azerbaijan), Chingiz Mamedov (Azerbaijan)

Secretay: Sevinj Humbatova

-----Hall

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12:00 - 12:15	<p>Influence of plant antitoxicant on lipid metabolism in poisoning with nickel nitrate</p> <p>Ibrahimov Rashad, Hashimova Ulduz <i>Institute of Physiology, Baku, Azerbaijan</i></p>
12:15 - 12:30	<p>Back remodeling of brain neurons in epileptic patients</p> <p>Ibadova Rimma, Mekhtiev Arif <i>Institute of Physiology, Baku, Azerbaijan</i></p>
12:30 - 12:45	<p>Role of the skin of <i>Lacerta strigata</i> (Eichwald, 1831) in microevolution</p> <p>Najafov Janbakhish¹, Hashimov Ramin² ¹<i>Baku State University, Baku, Azerbaijan</i> ²<i>Azerbaijan Medical University, Baku, Azerbaijan</i></p>
12:45 - 13:00	<p>About the new protection status of turtle dove (<i>Streptopelia turtur</i> Linnaeus, 1758) in Azerbaijan</p> <p>Humbatova Sevinj <i>Baku State University, Baku, Azerbaijan</i></p>
13:00 - 14:00	Lunch

Parallel sessions

Session 5: Systems' Ecology

Chair: Nariman Ismayilov (Azerbaijan), Zaman Mammadov (Azerbaijan)

Secretary: Roza Mammadova

Museum of Evolution

[Link to session](#)

12:00 - 12:15	The regulatory function of soil organic carbon in global climate change Amin Ismayilov <i>Institute of Soil Science and Agrochemistry, Baku, Azerbaijan</i>
12:15 - 12:30	Hakarichay basin lands and use condition Mammadov Zaman <i>Institute of Soil Science and Agrochemistry, Baku, Azerbaijan</i>
12:30 - 12:45	Molecular problems of chemicals and natural nano-antioxidants as a possible solution(online) Ahmadian Elham¹, Eftekhari Aziz¹, Keskin Cumali², Irada Huseynova³, Turksoy Vugar Ali⁴(online) <i>¹Tabriz University of Medical Sciences, Tabriz, Islamic Republic of Iran</i> <i>²Mardin Artuklu University, Mardin, Türkiye</i> <i>³Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i> <i>⁴Bozok University, Yozgat, Türkiye</i>
12:45 - 13:00	Bioremediation of oil-contaminated soils of the Balakhani district Yusifova Mahluga <i>Baku State University, Baku, Azerbaijan</i>
13:00 - 14:00	Lunch

Keynote session

Main Hall

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14:00 - 14:30	The use of fire-bellied toad, Bombina orientalis as an ecotoxicological test organism Ferah Sayim <i>Ege University, Izmir, Türkiye Baku State University, Baku, Azerbaijan</i>
14:30 - 15:00	Early diagnostic biomarkers for toxicological exposures Turksoy Vugar Ali <i>Yozgat Bozok University, Yozgat, Türkiye</i>
15:00 - 15:30	Evaluation of paddy cultivation in terms of arsenic pollution and arsenate metabolizing and methanogenic bacteria Esra Ersoy Omeroglu <i>Ege University, Izmir, Türkiye</i>
15:30 - 16:00	Coffee break / Poster session II

Session 1-1: Genetics / Genetics, Molecular biology, Microbiology
Chair: Ilham Shahmuradov (Azerbaijan), Eldar Gasimov (Azerbaijan)
Secretary: Shader Alizade
Main Hall

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16:00 - 16:15	Gliadin polymorphism in durum wheat landraces Yusifova Nazrin ¹ , Akhundova Ellada ¹ , Sadigov Hamlet ² , Salayeva Samira ¹ <i>¹Baku State University, Baku, Azerbaijan</i> <i>²Genetic Research Institute, Baku, Azerbaijan</i>
16:15 - 16:30	Assesment of drought and saltnity resistance of different local durum wheat (<i>T.durum</i> Desf.) accessions Aliyev Ramiz, Hacıyeva Shafiqə, Abishova Khayala , Abdullayeva Lala <i>Genetic Resources Institute, Baku, Azerbaijan</i>
16:30 - 16:45	Study of local and introduced lentil samples using ISSR molecular markers Zulfugarova Shafa ¹ , Akhundova Ellada ¹ , Hasanova Saida ² <i>¹Baku State University, Baku, Azerbaijan</i> <i>²Genetic Resources Institute, Baku, Azerbaijan</i>
16:45 - 17:00	Prenatal diagnosis of thalassemia (online) Mollazadeh Nouran Darya, Nahavandi Nima, Ahmadi Nakhostin Ali <i>Islamic Azad University, Ardabil, Islamic Republic of Iran</i>
17:00 -17:15	General summary of the research on identification of idiopathic epilepsy in Azerbaijan Mammadbayli Aytan ¹ , Guliyeva Agiya ² <i>¹Azerbaijan Medical University, Baku, Azerbaijan</i> <i>² Institute of Genetic Resources, Baku, Azerbaijan</i>
17:15 -17:30	Molecular methods in wheat (<i>Mriticum aestivum</i> L.) breeding Gasanova Qatiba, Zeynally Jala <i>Research Institute of Crop Husbandry, Baku, Azerbaijan</i>
17:30 -17:45	Genetic variants of the spectrum of α- and β-globin clusters in patients with hemoglobinopathy in the Republic of Azerbaijan Aliyeva Kamila, Mammadova Rena <i>Baku State University, Baku, Azerbaijan</i>
17:45 -18:00	Protein coding capacity of human genome Yusifova Fidan ¹ , Zeynalli Zenfira ² , Abdulazimova Amina ¹ , Shahmuradov Ilham ^{1,2} <i>¹Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i> <i>²Institute of Biophysics, Baku, Azerbaijan</i>
18:00 -18:15	Ethno-territorial distribution of the C677T of TGFR gene in the population of the Azerbaijan Republic

	Guliyeva Rana <i>Baku State University, Baku, Azerbaijan</i>
18:15 -18:30	Perspectives, moral and ethical issues of genetic edit person Huseynova Nazaket, Mammadova Rena <i>Baku State University, Baku, Azerbaijan</i>
18:30 -18:45	Exosomal nanoparticles in cancer drug delivery (online) Foruzandeh Zahra <i>Tabriz University of Medical Sciences, Tabriz, Islamic Republic of Iran</i>
18:45 -19:00	Study of nucleotide content of cDNAs, CDSs, 3'UTRs and 5'UTRs in the genome of different species Nuriyev Galib <i>Baku State University, Baku, Azerbaijan</i>

Parallel sessions

Session 1-2: Microbiology / Genetics, Molecular biology, Microbiology

Chair: Ziyaddin Mammadov (Azerbaijan), Svetla Danova (Bulgaria)

Secretary: Sevda Hasanova

Round Hall

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16:00 - 16:15	Bulgarian rose oil against the multiplication of sensitive and resistant to acyclovir <i>Herpes simplex</i> virus Mileva Milka ¹ , Vilhelmova-Ilieva Neli ¹ , Dobрева Ana ² , Georgieva Almira ^{1,3} , Danova Svetla ¹ ¹ <i>The Stephan Angeloff Institute of Microbiology, Bulgarian Academy of Sciences, Sofia, Bulgaria</i> ² <i>Institute for Roses and Aromatic Plants, Agricultural Academy, Sofia, Bulgaria</i> ³ <i>Institute of Neurobiology, Bulgarian Academy of Sciences, Sofia, Bulgaria</i>
16:15 - 16:30	Investigation of antimicrobial properties of black saxaul (<i>Haloxylonaphyllum</i>) seed extract and its prospects for use in antimicrobial preparations (online) Turlybek Nafusa <i>S.Seifullin Kazakh Agrotechnical University, Nur-Sultan, Kazakhstan</i>
16:30 - 16:45	Effect of phytohormones on the germination of <i>Stevia rebaudi anabertoni</i> seeds in <i>in vitro</i> culture Abbasly Khadija, Asadova Sadagat <i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i>
16:45 - 17:00	Isolation of bifidobacteria from samples of breast milk and infant faes (online) Sharipova Ziyoda, Jumanazarova Khanifa, Umarov Bakhtiyor <i>Tashkent Scientific Research Institute of Vaccines and Serums, Tashkent, Uzbekistan</i>

17:00 -17:15	<p>Mycrobiota and fungicid characteristics of <i>Alhagi maurorum medic</i> spread in various ecological conditions</p> <p>Bakshaliyeva Konul^{1,2}, Safarova Ayten¹ ^{1,2}<i>Institute of Microbiology, Baku, Azerbaijan</i> ²<i>Institute of Fruit and Tea Cultivation of the Ministry of Agriculture of the Republic of Azerbaijan, Guba, Azerbaijan</i></p>
17:15 - 17:30	<p>Investigation of potassium humate as an inducer of callus formation in <i>in vitro</i> culture of <i>Medicago sativa</i> and its effect on the protein composition of callus tissue (online)</p> <p>Gubaidullin Nurtai <i>S.Seifullin Kazakh Agrotechnical University, Nur-Sultan, Kazakhstan</i></p>
17:30 -17:45	<p>Contacts of alveolar macrophages with epithelium and hemocapillaries: electronmicroscopic study</p> <p>Aliyarbayova Aygun¹, Hasanov Ilqar² ¹<i>Azerbaijan Medical University, Baku, Azerbaijan</i></p>
17:45 -18:00	<p>Antibacterial activity of <i>Streptococcus sp.</i> BDU-SV7 and <i>Lactobacillus sp.</i> BDU-SV8 strains of lactic acid bacteria</p> <p>Ibrahimli Nargiz, Jafarov Mirmusa, Huseynova Sanam <i>Baku State University, Baku, Azerbaijan</i></p>
18:00 - 18:15	<p>Investigation of the effects of protocatechuic acid on C6 cell proliferation using anti-PCNA primary antibodies (online)</p> <p>Bayramova-Mehdiyeva Fidan <i>Eskisehir Technical University, Eskisehir, Türkiye</i></p>
18:15 - 18:30	<p>Distribution pigment forming actinomycetes in different substrates</p> <p>Gasanova Sevda, Guliyeva Sevinj, Alkishiyeva Kamala, Guliyeva Nasiba <i>Baku State University, Baku, Azerbaijan</i></p>
18:30 - 18:45	<p>Assessment of enzymatic activity of micromycetes isolated from biotopes different by eco-physiological and biotechnological aspects</p> <p>Bunyatova Lala^{1,2}, Hasanova Arzu^{1,2}, Bakshaliyev Arzu^{1,2} ¹<i>Sumgayit State University, Sumgayit, Azerbaijan</i> ²<i>Institute of Microbiology, Baku, Azerbaijan</i></p>
18:45 - 19:00	<p>Evaluation of nanomagnetic containing silibinin's antibacterial effects on biofilm formation caused by antibiotic-resistant <i>Pseudomonas aeruginosa</i> isolated (online)</p> <p>Borji Sanaz, Shahriarinour Mahdi, Ranji Najmeh, Nikpasand Mohammad <i>Islamic Azad University, Rasht, Islamic Republic of Iran</i></p>

Parallel sessions

Session 2: Biophysics, Biochemistry, Nanobiotechnology

Chair: Ralphrid Hasanov (Azerbaijan), Rovshan Khalilov (Azerbaijan)

Secretary: Nigar Huseynova

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[Link to session](#)

16:00 - 16:15	Ectromagnetic safety and human health at the present stage of society development Dadashov Mursal <i>Institute of Biophysics, Baku, Azerbaijan</i>
16:15 - 16:30	EPR study of the effect of radiation on the brain cell Bayramova Minaya ¹ , Hasanzada Aysha ² ¹ <i>Institute of Radiation Problems, Baku, Azerbaijan</i> ² <i>Baku State University, Baku, Azerbaijan</i>
16:30 - 16:45	Analysis of retrotransposon movements of wheat (<i>Triticum aestivum</i> L.) by using IRAP molecular marker method Ismayilova Gunay <i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i>
16:45 - 17:00	Anomalies that occur in the small-dose area of the “dose-effect” curve during the influence of UV-Brays on the intensive reproduction of <i>Dunaliella salina</i> cells Suleimanova Chinara, Najafli Mohubbat <i>Baku State University, Baku, Azerbaijan</i>
17:00 -17:15	Mechanism of interaction of CuO nanoparticles with organelles of <i>Elodea</i> plant Aliyeva Shahana , Ahmadov Ismat <i>Baku State University, Baku, Azerbaijan.</i>
17:15 - 17:30	Biochemical characteristics of antifungal activity of <i>L. fermentum</i> Ç11 strain Hajiyeva Famile, Zulfugarova Vusala, Gulahmadov Saib <i>Baku State University, Baku, Azerbaijan</i>
17:30 - 17:45	Ni²⁺-induced changes in the electrical parameters of the plasma membrane of <i>Chara gymnophylla</i> cells Safarly Ulduz ,Musayev Nagi, Maharramov Mahammad <i>Baku State University, Baku, Azerbaijan</i>
17:45 - 18:00	Investigation of the effect of carbohydrate molecules on the sedimentation rate of nanoparticles Valiyeva Sevindj <i>Baku State University, Baku, Azerbaijan</i>
18:00 - 18:15	Antimicrobial characteristics of lactic acid bacteria isolated from pickled products Gojayeva Rubabe, Babaeva Chinara, Gulahmadov Saib <i>Baku State University, Baku, Azerbaijan</i>
18:15 - 18:30	<i>Artemisia phytoniosomes</i> protect liver cells from glycooxidation damages via cytokines

	<p>and apoptosis regulation (online)</p> <p>Moulaoum Hichem, Ghorbanizamani Faezeh , Tok Kerem, Timur Suna, Zihnioglu Figen <i>Ege University, Izmir, Türkiye</i></p>
18:30 - 18:45	<p>Study of growth and nitrogen status in plants that grown under saline conditions</p> <p>Babayeva Gulnara, Piriye İnhallah <i>Institut of Botany, Baku, Azerbaijan</i></p>
18:45 - 19:00	<p>Effect of nanoparticles on chlorophyll composition and enzyme activity in the leaves of corn and wheat seedlings</p> <p>Babanli Safiyakhanim¹, Ahmadov Ismat¹, Azizov Ibragim² ¹<i>Baku State University, Baku, Azerbaijan</i> ²<i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i></p>

Parallel sessions

<p>Session 3: Botany, Flora conservation Chair: Elshad Gurbanov (Azerbaijan), Khudaverdi Gambarov (Azerbaijan) Secretary: Afag Rzayeva Library Link to session</p>	
16:00 - 16:15	<p>Study on the mycobiotas of cucumber plant grown on the Absheron peninsula</p> <p>Abdullayeva Halima <i>Baku State University, Baku, Azerbaijan</i></p>
16:15 - 16:30	<p>Determination of fungi encountered in some horticulture plants planted in Agstafa region (Ashagi Goyjali, Yukhari Goyjali)</p> <p>Nabiyeva Sabuka, Mammadova Fidan <i>Baku State University, Baku, Azerbaijan</i></p>
16:30 - 16:45	<p>Determination of polyphenol oxidase activity in barley and wheat seedlings under NaCl salinity</p> <p>Jafarzade Boyukkhanim, Abdiyev Vilayat, Allahverdiyev Rustam <i>Baku State University, Baku, Azerbaijan</i></p>
16:45 - 17:00	<p>Major fungal diseases of trees and shrubs growing on the territory of Siyazan region</p> <p>Mehdiyeva Lala <i>Baku State University, Baku, Azerbaijan</i></p>
17:00 - 17:15	<p>Evaluation of apple (<i>Malus</i> Mill.) plant grown in the territory of Guba region according to their mycological species content</p> <p>Babayeva Nijabat, Mammadova Fidan <i>Baku State University, Baku, Azerbaijan</i></p>
17:15 - 17:30	<p>Pests of maize (<i>Zea mays</i> L.) variety samples grown under dryland conditions of Shaki-</p>

	Zagatala region and measures to combat them
	Gurbanov Elshad, Aslanova Faiga <i>Baku State University, Baku, Azerbaijan</i>
17:30 - 17:45	Bioecological characteristics of the aquatic plants of Khudafarin water reservoir
	Afandiyeva Shakhla <i>Baku State University, Baku, Azerbaijan</i>
17:45 - 18:00	Water and wetland plants of Shirvan plain
	Bakhshiyev Vazeh <i>Baku State University, Baku, Azerbaijan</i>
18:00 - 18:15	The effect of salt stress on photosynthesis and respiratory processes
	Asadova Basti <i>Azerbaijan State Pedagogical University, Baku, Azerbaijan</i>
18:15 - 18:30	On the current state of vegetation of the liberated territories
	Safarov Asim <i>Baku State University, Baku, Azerbaijan</i>
18:30 - 18:45	Effect of isocation sodium salts on the activity of peroxidase in wheat sprouts at the early stages of ontogenesis
	Abdiyev Vilayet, Ismayilova Sevinj , Khaniyeva Sevinj <i>Baku State University, Baku, Azerbaijan</i>
18:45 - 19:00	Characteristics of organogenesis of the <i>Bellevalia albania</i> type introduced in the Absheronn peninsula
	Alosmanova Vafa <i>Baku State University, Baku, Azerbaijan</i>

Parallel sessions

Session 4: Physiology, Zoology and Aquaculture

Chair: Arif Mekhtiyev (Azerbaijan), Chingiz Mamedov (Azerbaijan)

Secretay: Sevinj Humbatova

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[Link to session](#)

16:00 - 16:15	Antioxidant supplementation in the treatment of ecotoxicant-induced anxiety in rats with different acoustic stress responses
	Ismailova Khadija, Hashimova Ulduz <i>Institute of Physiology, Baku, Azerbaijan</i>
16:15 - 16:30	Current state of the Mediterranean tortoise (<i>Testudo graeca</i> L., 1758) in the herpetofauna of Absheron

	Huseynova Laman, Najafov Janbakhish <i>Baku State University, Baku, Azerbaijan</i>
16:30 - 16:45	Food spectrum of some reptile species on arid territory of Azerbaijan Asgarova Sabina <i>Baku State University, Baku, Azerbaijan</i>
16:45 - 17:00	Change of hemocoagulation factors in the conditions of physical energy Madatova Valida, Babayeva Ruhangiz <i>Baku State University, Baku, Azerbaijan</i>
17:00 - 17:15	Nutrition and temperature effects on the growth of <i>Tetranychus cinnabarinus</i> (Acariformes, Tetranychidae) Muradova Elmira, Abdullaeva Narmin <i>Baku State University, Baku, Azerbaijan</i>
17:15 - 17:30	Influence of the toxic factor on the hematological condition of fishes Mammadova Sevinj <i>Baku State University, Baku, Azerbaijan</i>
17:30 - 17:45	Micro distribution of free-living ciliates in the Agzibir lake reservoir Mansimova Ilaha <i>Baku State University, Baku, Azerbaijan</i>
17:45 - 18:00	Specie scomposition of micro and macrozoobenthos of Gumbashi and Boladi rivers of Lankaran natural region Aliyev Saleh, Garabeyli Oktay, Suleymanova Irada <i>Baku State University, Baku, Azerbaijan</i>
18:00 - 18:15	Important results of the study of the helminth fauna of sheep in the Ashberon region Agayeva Aysel, Kahramanova Aida <i>Sumgayit State University, Sumgayit, Azerbaijan</i>
18:15 - 18:30	Development of a new wayto increase the viability of silk worm in Azerbaijan Abilova Elnara <i>Baku State University, Baku, Azerbaijan</i>
18:30 - 18:45	Ecological fundamentals of behavioral management of animals Musayev Avtandil <i>Baku State University, Baku, Azerbaijan</i>
18:45 - 19:00	Comparative analysis of exciting indicators of 19- and 20-years old sanguine types RustamovaTukazban <i>Ganja State University, Ganja, Azerbaijan</i>

Parallel sessions

Session 5: Systems' Ecology

Chair: Nariman Ismayilov (Azerbaijan), Zaman Mammadov (Azerbaijan)

Secretary: Roza Mammadova

Museum of Evolution

[Link to session](#)

16:00 - 16:15	<p>Physiological assessment of sustainability of beans (<i>Phaseolus vulgaris</i> L.), peas (<i>Cicer arietinum</i> L.) symptoms to abiotic stress factors</p> <p>Huseynova Taravat, Mikayilova Rena, Kalbiyeva Yegana <i>Institute of Genetic Resources, Baku, Azerbaijan</i></p>
16:15 - 16:30	<p>Study of the effect of soil drought on the developmental stability of <i>Phaseolus vulgaris</i> L.</p> <p>Mammadova Roza², Manafova Parvana², Eminli Aytan¹ ¹<i>Baku State University, Baku, Azerbaijan</i> ²<i>Institute of Soil Science and Agrochemistry, Baku, Azerbaijan</i></p>
16:30 - 16:45	<p>Dangerous categories of <i>Pyrus</i> L. species of the north-east part of the Great Caucasus</p> <p>Jafarzadeh Sabina <i>Baku State University, Baku, Azerbaijan</i></p>
16:45 - 17:00	<p>Analysis of management strategies and prospects of the classified forest of faya in Mali</p> <p>Togola Adama, Yusifova Mahluga <i>Baku State University, Baku, Azerbaijan</i></p>
17:00 - 17:15	<p>Dangerous categories of <i>Pyrus</i> L. species of the north-east part of the Great Caucasus</p> <p>Jafarzadeh Sabina <i>Baku State University, Baku, Azerbaijan</i></p>
17:15 - 17:30	<p>The influence of slope exposition on ecologic characteristics and diagnostic properties of kastanozems in the Lesser Caucasus</p> <p>Yuzbashova Nurana <i>Institute of Soil Science and Agrochemistry, Baku, Azerbaijan</i></p>
17:30 - 17:45	<p>Phytomass as ecological edificators in river floodplains</p> <p>Hasanova Turkan, Asgarova Gunel <i>Institute of Soil Science and Agrochemistry, Baku, Azerbaijan</i></p>
17:45 - 18:00	<p>The role and place of higher plants in the optimization of the ecological carcass of the Absheron peninsula</p> <p>Guluzada Nilufar <i>Baku State University, Baku, Azerbaijan</i></p>
18:00 - 18:15	<p>Ecological analysis of flora biodiversity of Talish</p> <p>Aslanova Sanubar</p>

	<i>Azerbaijan State Pedagogical University, Baku, Azerbaijan</i>
18:15 - 18:30	Effects of drought on the productivity of bean plant Manafova Parvana, Mammadova Afat <i>Baku State University, Baku, Azerbaijan</i>
18:30 - 18:45	Distribution of Malva species in pastures and hayfields and ecobiological features (Ganja-Gazakh ekonomik- geographical region) Nasirova Anara <i>Institute of Soil Science and Agrochemistry, Baku, Azerbaijan</i>
18:45 - 19:00	Species of the family Crassulaceae DC. of Lesser Caucasus Akbarova Chichek <i>Baku State University, Baku, Azerbaijan</i>

Poster session I

October 13

11:30 – 12:00; 15:30 – 16:00

1	Peculiarities of immunohistochemical polymorphism of lung macrophages Hasanov Ilqar ¹ , Aliyarbayova Aygun ² ¹ <i>Azerbaijan State Academy of Physical Education and Sport, Baku, Azerbaijan</i> ² <i>Azerbaijan Medical University, Baku, Azerbaijan</i>
2	The impact of nanoparticles of fertilization process of common carp (<i>Cyprinus carpio</i> Linnaeus, 1758) Hajiyeva Aysel <i>Baku State University, Baku, Azerbaijan</i>
3	Study of crossability between bread wheat (<i>T. aestivum</i> L.) and wheat-rye substitution lines Mustafayeva Samira <i>Genetic Resources Institute, Baku, Azerbaijan</i>
4	New samples of polonicum wheat (<i>T. polonicum</i> L.) of Azerbaijan Rustamov Khanbala ^{1,2} , Akparov Zeynal ¹ , Abbasov Mehraj ¹ ¹ <i>Genetic Resources Institute, Baku, Azerbaijan</i> ² <i>Azerbaijan Research Institute of Crop Husbandry, Baku, Azerbaijan</i>
5	Combined effect of salinity stress on the potential dynamics of NADPH-generating enzymes in corn seedlings Aliyeva Naila, Mammadov Ziyaddin <i>Baku State University, Baku, Azerbaijan</i>
6	Antibacterial activity of 9-phenanthrene carboxaldehyde-based thiodihydropyrimidine derivative

	<p>Israyilova Aygun, Huseynzada Alakbar <i>Baku State University, Baku, Azerbaijan</i></p>
7	<p>Storage of microbial cultures collection at Baku State University</p> <p>Shafiyeva Samira <i>Baku State University, Baku, Azerbaijan</i></p>
8	<p>A brief history of the study of the trematode fauna of freshwater molluscs</p> <p>Suleymanova Irada, Alizade Aysu <i>Baku State University, Baku, Azerbaijan</i></p>
9	<p>Modern ichtyofauna of Gudyalchay</p> <p>Bahaddinov Mushvig, Garayeva Makhmar, Mammadov Chingiz <i>Baku State University, Baku, Azerbaijan</i></p>
10	<p>Cross-species analyses of drebs in ensemble plants</p> <p>Rustamova Samira, Aliyeva Khayala <i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i></p>
11	<p>Investigation of the protective role of saffron in creating a model of Alzheimer's disease</p> <p>Abbasova Laman^{1,2} ¹<i>Baku State University, Baku, Azerbaijan</i> ²<i>Institute of Physiology, Baku, Azerbaijan</i></p>
12	<p>Impact of urbanization on the Absheron peninsula on the biodiversity of herpetofauna</p> <p>Najafov Janbakhish¹, Hashimova Aysel² ¹<i>Baku State University, Baku, Azerbaijan</i> ²<i>Azerbaijan Medical University, Baku, Azerbaijan</i></p>
13	<p>Assessment of salt stress tolerance of different soybean genotypes</p> <p>Mammadova Ruhangiz^{1,2}, Alizade Shader^{1,2}, Bayramli Orkhan², Kamalli Gulshan¹, Huseynli Gulnar¹ ¹<i>Baku State University, Baku, Azerbaijan</i> ²<i>Institute of Genetic Resources, Baku, Azerbaijan</i></p>
14	<p>Comparative analysis of meiosis in different wheat-alien species derivatives</p> <p>Rahimov Rahim, Aliyeva Aybaniz, Mehdiyeva Sabina <i>Genetic Resources Institute, Baku, Azerbaijan</i></p>
15	<p>Detection of reactive oxygen and reactive nitrogen types by fluorescence and luminescence probes</p> <p>Kocharli Natella, Hummatova Samire <i>Baku State University, Baku, Azerbaijan</i></p>
16	<p>The impact of COVID-19 on biochemical processes and important biomarkers (LDH, ALT, AST, creatinine, bilirubin)</p>

	Huseynli Laman, Hasanova Shayman <i>Azerbaijan Medical University, Baku, Azerbaijan</i>
17	Protection of phytocenoses produced by distributed bean plants in the desert and semi-desert plant(vegetation) of Absheron peninsula Mammadova Zulfiyya, Malikova Turrakhanim <i>Baku State University, Baku, Azerbaijan</i>
18	Aquaculture of the south Caspian ASP (<i>Aspius aspius taeniatus</i> Eichwald, 1831) in Azerbaijan Ismayilova Shahnaz, Mamedov Chingiz <i>Baku State University, Baku, Azerbaijan</i>
19	Magnetite biomineralization and magnetoreception Khalilov Rovshan, Mehraliyeva Malakkhanim, Hasanova Gunay <i>Baku State University, Baku, Azerbaijan</i>
20	Influence of buckwheat products on bakery properties of flour Nasrullayeva Gunash, Yusifova Mehriban, Maharramova Mehriban <i>Azerbaijan State Economic University (UNEC), Baku, Azerbaijan</i>
21	Survey and molecular detection of cucumber mosaic virus on cucumber in the southern part of Azerbaijan Sultanova Nargiz <i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i>
22	Dominant representatives of epiphytic microbios of some fruits Suleymanova Gulshan, Hasanova Gulsanem, Zakirova Nigar <i>Baku State University, Baku, Azerbaijan</i>
23	Study of genetic polymorphism in a new Chickpea collection Muradli Narmin ¹ , Akhundova Ellada ¹ , Hasanova Saida ² ¹ <i>Baku State University, Baku Azerbaijan;</i> ² <i>Genetic Resources Institute, Baku Azerbaijan</i>
24	Flight phenology of wasps belonging to the families <i>Vespidae</i> and <i>Sphecidae</i> in Lankaran territory Aliyeva Mahluga <i>Baku State University, Baku, Azerbaijan</i>
25	Evaluation of wines produced by giving different forms to Khindogny grape variety Huseynov Movlud ¹ , Bunyatzade Zamina ² ¹ <i>Viticulture and Enology Research Institute, Baku, Azerbaijan</i> ² <i>Baku State University, Baku, Azerbaijan</i>
26	Comparative analysis of the Hamashara and Madrasa grape varieties and the wines made from them Mammadov Ziyaddin, Mirzayeva Afsana <i>Baku State University, Baku, Azerbaijan</i>

27	Biosynthesis of silver nanoparticles by yeasts Ganbarov Khudaverdi, Aliyeva Nasiba <i>Baku State University, Baku, Azerbaijan</i>
28	Morpho-cultural characteristics of proteolytic bacteria living in the rhizosphere of sorrel, raspberry, mint Ahmadova Farayat, Aliyeva Sabuha <i>Baku State University, Baku, Azerbaijan</i>
29	The influence of alternative protein splicing on the amino-acid sequence Mammadli Arzu <i>Baku State University, Baku, Azerbaijan</i>
30	Investigation of microorganisms in home-made sour milk products from some villages of Goranboy region Shahmaliyeva Sugra, Ibrahimli Nargiz, Babayeva Irada, Jafarov Mirmusa <i>Baku State University, Baku, Azerbaijan</i>
31	Essential oils as antimicrobial agents Mammadova Rena <i>Baku State University, Baku, Azerbaijan</i>
32	Genetic diversity for morphological traits, ISSR markers and anthracnose resistance genes in common bean collection Hasanova Turana, Babayeva Sevda, Asadova Almas, Mammadova Afat, Abbasov Mehraj <i>Genetic Resources Institute, Baku, Azerbaijan</i>
33	Diagnosis method of study of drought and salt stresses resistance of F₁ hybrids and parental forms (<i>Ilkin</i> and <i>Shakar</i>) of tomato Aliyev Ramiz ¹ , Majidova Gulara ¹ , Abdullayeva Lala ¹ , Huseynzade Gulara ¹ , Mansurova Mahbuba ¹ , Huseynov Qazar ² ¹ <i>Genetic Resources Institute, Baku, Azerbaijan</i> ² <i>Scientific Research Institute of Vegetable Growing of the Ministry of Agriculture of the Republic of Azerbaijan, Lankaran Experimental Station, Lankaran, Azerbaijan</i>
34	PS II activity under oxidative stress and the role of Na-ascorbate in its protection Jafarova Jeyhuna ¹ , Ganiyeva Rena ¹ , Hasanov Ralphreed ² ¹ <i>Institute of Botany, Baku, Azerbaijan</i> ² <i>Baku State University, Baku, Azerbaijan</i>
35	Study of the quality indicators of blended grape juice Musayev Teymur ¹ , Farzaliyeva Leyla ² ¹ <i>Scientific Research Institute of Viticulture and Winemaking, Baku, Azerbaijan</i> ² <i>Baku State University, Baku, Azerbaijan</i>

Poster session II
October 14
11:30 – 12:00; 15:30 – 16:00

1	An infant patient with coinheritance of Alpha – gene triplication and IVS 1.5 G/C mutation of beta- thalassemia Moradpour Mehran <i>Khazar University, Baku, Azerbaijan</i>
2	Antimutagenic effect of an antioxidant on the roots of wheat and onion seeds at various periods of storage in ozone Babayev Medjnun, Samedli Gulben, Mirzoyeva Simara <i>Baku State University, Baku, Azerbaijan</i>
3	Study of the effect of light desynchronization on immune status of old and young mice Zulfugarova Parvin <i>Baku State University, Baku, Azerbaijan</i>
4	Phytopathological assessment of grape genotypes on a natural background Mammadova Khatira ¹ , Aliyeva Kamila ¹ , Hajiyev Elchin ^{2,3} ¹ <i>Baku State University, Baku, Azerbaijan</i> ² <i>Genetic Resource Institutes, Baku, Azerbaijan</i> ³ <i>Scientific Research Institute of Vegetable Growing, Baku, Azerbaijan</i>
5	Species composition of macrozoobenthos of Lesser Kyzylagaj bay Alizadeh Farida <i>Baku State University, Baku, Azerbaijan</i>
6	Research on the zooplankton of the Lesser Kyzylagaj bay on the Caspian sea in modern conditions Jafarova Zeynab <i>Baku State University, Baku, Azerbaijan</i>
7	Effect of AL₂O₃ nanoparticles on activity of peroxidase in wheat leaves Iskenderova Chimnaz <i>Baku State University, Baku, Azerbaijan</i>
8	Alterations in relative water content and superoxide dismutase activity in wheat genotypes subjected to drought stress followed by recovery Garibova Anella ¹ , Aydinli Lala ² ¹ <i>Baku State University, Baku, Azerbaijan</i> ² <i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i>
9	Effect of temperature stress on ascorbate peroxidase activity in wheat

	Zulfuqarova Saida ¹ , Farmanova Farida ² , Rustamova Samira ¹ ¹ <i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i> ² <i>Baku State University, Baku, Azerbaijan</i>
10	Biogenicity of stromatolites and microbial mats Mehraliyeva Malakkhanim <i>Baku State University, Baku, Azerbaijan</i>
11	Study of tissue culture of tomato (<i>Lycopersicon esculentum</i> Mill.) variety SC21-21 Mammadova Mahira, Ismailova Gunai, Hasanova Hajar <i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i>
12	Obtaining silver nanoparticles in opuntia ficus-indica l extract by "Green Synthesis" Dadashov Mursal, Jafarova Sevinj <i>Institute of Biophysics, Baku, Azerbaijan</i>
13	AspAT IS an essential enzyme for plant stress acclimation Gurbanova Ulduza <i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i>
14	Antioxidant properties of liquorice extract in protecting photosystems under oxidative stress Dadashova Sevil, Atakishiyeva Sevinj, Ganiyeva Rena <i>Institute of Botany, Baku, Azerbaijan</i>
15	Influence of prenatal hypokinesia on the behavior, learning and memory of the progeny differing by emotional anxiety level in early periods of postnatal ontogenesis Agayeva Elmira <i>Institute of Physiology, Baku, Azerbaijan</i>
16	Study of radioprotective properties of potassium humate in model plants Farajov Mahir, Muslumova Zohra, Mammadli Sevil <i>Institute of Radiation Problems, Baku, Azerbaijan</i>
17	Study of the influence of the microwave field on the physical and chemical processes of tobacco Asadova Irada <i>Institute of Radiation Problems, Baku, Azerbaijan</i>
18	The development and treatment of aspergillosis and mucormycoses during the COVID-19 by new lipid forms of amphotericin B Baghirova Arifa <i>Institute of Botany, Baku, Azerbaijan</i>
19	A comparative analysis of COVID-19 epidemic between Azerbaijan and Nigeria using SIR model Adeoke Olatunbosun, Gasimli Basira, Gasimova Aghja, Khalilov Rovshan

	<i>Baku State University, Baku, Azerbaijan</i>
20	<p>Accumulation dynamics of phenolic compounds in the vegetative organs of the drought-exposed wheat plant</p> <p>Yunusova Zumrud, Zeynalova Ayten, Aliyeva Durna <i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i></p>
21	<p>Study of the significance of different traits in chickpea (<i>Cicer arietinum</i> L.) genotypes</p> <p>Salmanova Mahbuba <i>Genetic Resources Institute, Baku, Azerbaijan</i></p>
22	<p>Main trends in the genetic factor of male infertility</p> <p>Babayev Medjnun, Mammadova Rena, Mardomi Farid <i>Baku State University, Baku, Azerbaijan</i></p>
23	<p>Some physiological properties of <i>Thermus thermophilus</i> and <i>Flavobacterium thermophilum</i> bacteria isolated from thermal water of Azerbaijan</p> <p>Ahmadova Farayat <i>Baku State University, Baku, Azerbaijan</i></p>
24	<p>Winter pastures on the left bank of the Kura river in Salyan district</p> <p>Huseynova Sevinj <i>Baku State University, Baku, Azerbaijan</i></p>
25	<p>Detection of mixed infection of tobamoviruses on tomato plants (<i>Solanum lycopersicum</i> L.) in Azerbaijan</p> <p>Mirzayeva Samra <i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i></p>
26	<p>Effect of hypoxia factor on space-navigation memory in white albinos rats</p> <p>Asgarova Nazrin, Babayeva Ruhangiz <i>Baku State University, Baku, Azerbaijan</i></p>
27	<p>Effects of light spectrum quality on grapevine (<i>Vitis vinifera</i> L.) development <i>in vitro</i></p> <p>Sadigova Aygun <i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i></p>
28	<p>The role of pre- and postnatal factors in forming the functions of a developing organism</p> <p>Gaziev Afig <i>Institute of Physiology, Baku, Azerbaijan</i></p>
29	<p>Bacterial synthesis of aluminium nanoparticles</p> <p>Muxtarova Asmar, Abdullayeva Narmina, Huseynova Nigar <i>Baku State University, Baku, Azerbaijan</i></p>
30	<p>The effect of hypoxia on the spatial memory in model of Alzheimer's disease</p> <p>Abbasova Laman</p>

	<i>Baku State University, Baku, Azerbaijan</i>
31	The effect of acute protein deficiency in food on memory functions Bakhshaliyeva Afet <i>Institute of Physiology, Baku, Azerbaijan</i>
32	Determination of changes of blood melatonin in hypoxia conditions Allahverdiyeva Camila, Mammadova Nazakat <i>Baku State University, Baku, Azerbaijan</i>
33	Role for adult neurogenesis in formation of memory traces Alakbarova Malayka ¹ , Mekhtiev Arif ² ¹ <i>Baku State University, Baku, Azerbaijan</i> ² <i>Institute of Physiology, Baku, Azerbaijan</i>
34	Investigation of genofond types of persimmon species (<i>Diospyros l.</i>) spread in Shaki-Zagatala region Bakhshaliyeva Natavan <i>Baku State University, Baku, Azerbaijan</i>
35	Study of morphocultural properties of yeasts isolated from various substrates <i>Malikova Aygun</i> <i>Baku State University, Baku, Azerbaijan</i>

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1	The synthesis of vitamins by fungus <i>Penicillium</i> Davitashvili Magda, Zuroshvili Lamara, Margalitashvili Darejan <i>Iakob Gogebashvili Telavi State University (TeSaU), Telavi, Georgia</i>
2	OHRR is a transcription regulator involved in the virulence of <i>Erwinia amylovora</i> Pesotskaya Karina, Lagonenko Alexander, Evtushenkov Anatoly <i>Belarusian State University, Minsk, Belarus</i>
3	Genetic biodiversity of nodule bacteria entering into symbiosis with soybean plants in the soils of central Asia Umarov Bakhtiyor <i>Tashkent Scientific Research Institute of Vaccines and Serums, Tashkent, Uzbekistan</i>
4	Biodiversity of bacteriophages isolated using the indicator bacterial culture <i>Erwinia amylovora</i>1/79SM Besarab Natalya ¹ , Letarov Andrey ² , Babenko Vladislav ³ , Belalov Ilya ² , Lagonenko Alexander ¹ , Golomidova Alla ² , Letarova Maria ² , Kulikov Eugene ² , Evtushenkov Anatoly ¹

	<p>¹Belarusian State University, Minsk, Belarus</p> <p>²Winogradsky Institute of Microbiology, Research center of Biotechnology of Russian Academy of Sciences, Moscow, Russian Federation</p> <p>³Federal Medical-Biological Agency, Moscow, Russian Federation</p>
5	<p>Changes in the microbiota affect the reception of sodium lactate in the intestine</p> <p>Karavai Tatiana Belarusian State University, Minsk, Belarus</p>
6	<p>Estimation of the naphthalene biodegradation efficiency by <i>Rhodococcus pyridinivorans</i> strain 5AP</p> <p>Larchenka Alina, Mandryk Maryia Belarusian State University, Minsk, Belarus</p>
7	<p>Mechanisms of <i>Pectobacterium versatile</i> recognition by <i>Solanaceae</i> plants</p> <p>Kalubaka Nastassia, Nikolaichik Yevgeny Belarusian State University, Minsk, Belarus</p>
8	<p>Characteristic of the determinants of phenol degradation 5AP genome in <i>Rhodococcus pyridinivorans</i> strain</p> <p>Trushlis Ella, Mandryk Maryia Belarusian State University, Minsk, Belarus</p>
9	<p>Bioaugmentation and biostimulation as a treatment for soils contaminated with high concentration of hydrocarbons</p> <p>Kremza Alena, Mandryk Maryia Belarusian State University, Minsk, Belarus</p>
10	<p>Molecular identification of bacterial microflora of fresh milk and its influence on spoilage of milk</p> <p>Zhaumitova Nursaule S. Seifullin Kazakh Agrotechnical University, Nur-Sultan, Kazakhstan</p>
11	<p>Determination of the presence of high-molecular-weight glutenin genes in samples of Kazakh breeding</p> <p>Abdulloyev Firuz S.Seifullin Kazakh Agrotechnical University, Nur-Sultan, Kazakhstan</p>
12	<p>Identification of wheat resistance genes <i>LR</i> and <i>SR</i> in relation to leaf and stem rust in wheat samples of Kazakhstan breeding</p> <p>Abdulloyev Firuz S.Seifullin Kazakh Agrotechnical University, Nur-Sultan, Kazakhstan</p>
13	<p>Antibacterial effect of polycaprolactone nanofiber loaded with metformin and gentamicin for use in skin infections</p> <p>Bashshash Mina², Nejati-Koshki Kazem¹, Sheykhbeyghlu Nima² ¹Urmia University, Urmia, Islamic Republic of Iran ²Ardabil University of Medical Sciences, Ardabil, Islamic Republic of Iran</p>

14	<p>Effects of green synthesized magnetite nanoparticle (Fe₃O₄ NP) on germination of tomato (<i>Solanum lycopersicum</i> L.)</p> <p>Totkanli Beste, Oztekin Tugba, Ayisigi Melisa, Kucukcobanoglu Yigit, Yildiz Aktas Lale <i>Ege University, Izmir, Türkiye</i></p>
15	<p>Removal of hydrocarbons from industrial wastewater by indigenous microbial biofilm in bioreactors at pilot-plant scale</p> <p>Tatiana Robledo-Mahón^{1,2}, Alfonso Rodríguez-Calvo^{1,2}, Gloria Andrea Silva-Castro^{1,2}, Elisabet Aranda^{1,2}, Jesús González-López^{1,2}, Concepción Calvo^{1,2} ¹<i>Institute of Water Research, University of Granada, Granada, Spain</i> ²<i>University of Granada, Granada, Spain</i></p>
16	<p>Performance and microbial population treating groundwater polluted with nitrate in a granular sludge bioreactor</p> <p>Alejandro Gonzalez-Martinez, Manuel Jesus Gallardo-Altamirano, Miguel Hurtado-Martinez, Jesus Gonzalez-Lopez <i>Institute of Water Research, University of Granada, Granada, Spain</i></p>
17	<p>Anti-coronavirus efficiency and redox-modulating capacity of polyphenol-rich extracts from traditional bulgarian medicinal plants</p> <p>Vilhelmova-Ilieva Neli¹, Petrova Zdravka^{1,2}, Georgieva Almira^{1,3}, Tzvetanova Elina^{1,3}, Trepechova Madlena¹, Danova Svetla¹, Mileva Milka¹ ¹<i>The Stephan Angeloff Institute of Microbiology, Bulgarian Academy of Sciences, Sofia, Bulgaria</i> ²<i>Institute of Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences, Sofia, Bulgaria</i> ³<i>Institute of Neurobiology, Bulgarian Academy of Sciences, Sofia, Bulgaria</i></p>
18	<p>Transcriptional regulator SlyA of phytopathogenic bacteria as a sensor of plant phenolic compounds</p> <p>Sharanhovich Maksim, Lagonenko Alexander, Ignatenko Yelena, Nikolaichik Yevgeny <i>Belarusian State University, Minsk, Belarus</i></p>
19	<p>Nanopriming with green synthesized CuO nanoparticles on <i>Solanum lycopersicum</i> L. and their effects on germination</p> <p>Haseki Selin, Kucukcobanoglu Yigit, Ayisigi Melisa, Totkanli Beste, Oztekin Tugba, Yildiz Aktas Lale <i>Ege University, Izmir, Türkiye</i></p>
20	<p>Synthesis of nano-graphene oleuropein shuttle drug and effects on the ABCA1 and ABCA7 expression Alzheimer</p> <p>Behboudi Rana¹, Moghadam Nastaran¹, Mohammad Zaefizadeh² ¹<i>Islamic Azad University, Tehran, Islamic Republic of Iran</i> ²<i>Islamic Azad University, Ardabil, Islamic Republic of Iran</i></p>
21	<p>Analysis genetic variability in olive (<i>Olea europea</i> L.) based on ISSR and SCoT molecular markers</p>

	<p>Farahani Farah¹, Kalhor Zahra¹, Sheidai Masoud² ¹<i>Islamic Azad University, Qom, Islamic Republic of Iran</i> ²<i>Shahid Beheshti University, Tehran, Islamic Republic of Iran</i></p>
22	<p>Production of invitro cell apo-exosome and mexosome with herbal for drug resistant inhibition</p> <p>Zaefizadeh Mohammad¹, Rajabvand Narges¹, Tahmasebi Enferadi Sattar², Shahi Zadeh Leila³, Shafighi Shaghayegh⁴, Farzane Zahra¹ ¹<i>Islamic Azad University, Ardabil, Islamic Republic of Iran</i> ²<i>National Institute of Genetic Engineering and Biotechnology (NIGEB), Tehran, Islamic Republic of Iran</i> ³<i>Islamic Azad University, Tabriz, Islamic Republic of Iran</i> ⁴<i>Islamic Azad University, Ahar, Islamic Republic of Iran</i></p>
23	<p>Changes in the fauna of bumblebees in Belarus during the last century</p> <p>Khvir Darya, Khvir Viktor <i>Belarusian State University, Minsk, Belarus</i></p>
24	<p>The trend of soil dehumidication in Northern Kazakhstan</p> <p>Ismukanova Gulzhamal <i>L.N.Gumilyov Eurasian National University, Nur-Sultan, Kazakhstan</i></p>
25	<p>Optimization of protocols for obtaining haploid wheat plants resistant to stem and leaf rust</p> <p>Azhit Gulsim <i>S.Seifullin Kazakh Agrotechnical University, Nur-Sultan, Kazakhstan</i></p>
26	<p>Evaluation of magnetic coumarin nanocomposite synthesis and its effect on APP, MS4A4E, ABCA1 genes in Alzheimer's rats</p> <p>Rostamian Tina <i>Islamic Azad University, Ardabil, Islamic Republic of Iran</i></p>
27	<p>Optimization of plasmid DNA Co-transfection conditions to obtain SARS-COV-2 spike glycoprotein pseudotyped lentiviral particles</p> <p>Fomina Elena, Grigorieva Elena, Zverko Veronika <i>Republican Research and Practical Center for Epidemiology and Microbiology, Minsk, Belarus</i></p>
28	<p>If 1 in every 8 cancer is hereditary, should all cancer patients to be screened with genetic tests?</p> <p>Ocak Zeynep <i>Istinye University, Istanbul, Türkiye</i></p>
29	<p>Insight into date palm genetic diversity and sex determination: experimental and computational approaches</p> <p>Noormohammadi Zahra¹, Masoudi Sheida², Marashi Seyyed Samih³ ¹<i>Islamic Azad university, Tehran, Islamic Republic of Iran</i> ²<i>Shahid Beheshti University, Tehran, Islamic Republic of Iran</i> ³<i>Date Palm & Tropical Fruits Research Center, Horticultural Sciences Research Institute, Agricultural Research, Education and Extension Organization (AREEO), Ahwaz, Islamic</i></p>

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30	<p>Increase cytotoxic and apoptotic effects of simvastatin-loaded PLGA-PEG nanoparticles on MCF-7 breast cancer cells</p> <p>Nejati-Koshkin Kazem¹, Babaei Ghader², Zaefizadeh Mahdieh³ ¹Ardabil University of Medical Sciences, Ardabil, Islamic Republic of Iran ²Urmia University Medical Sciences (UMSU), Urmia, Islamic Republic of Iran ³Islamic Azad University, Ardabil, Islamic Republic of Iran</p>
31	<p>Investigation of nicotinamide phosphoribosyltransferase (NAMPT), Interleukin-6 (IL-6) and vaspin serum protein levels in type 2 Diabetes Mellitus</p> <p>Pınar Çelik Süheyla¹, Nur Parıltı Damla¹, Yunusov Eldeniz², Açık Leyla¹, Muhittin Yalçın Mehmet², Yetkin İlhan² Gazi University, Ankara, Türkiye</p>
32	<p>Synthesis characterization of metal-based nanoparticles and some biological applications</p> <p>Keskin Cumali, Adican Mehmet Tefvik, Baran Ayşe, Baran Mehmet Fırat Mardin Artuklu University, Mardin, Türkiye</p>
33	<p>Evaluation of green synthesis, characterization and some biological activities of gold nanoparticles (AUNPs) from <i>Hypericum triquetrifolium</i> L. plant extract</p> <p>Adican Mehmet Tefvik, Keskin Cumali, Baran Ayshe, Baran Mehmet Fırat Mardin Artuklu University, Mardin, Türkiye</p>
34	<p>Green tea-based nano-antioxidants formulation in pharmaceutical industry</p> <p>Eftekhari Aziz¹, Keskin Cumali¹, Ismayilova Sevinj², Heydarova Ruhangiz³, Valiyeva Mahbuba⁴, Davaran Soodabeh⁵, Omarova Sabina², Khalilov Rovshan² ¹Mardin Artuklu University, Mardin, Türkiye ²Baku State University, Baku, Azerbaijan ³Biyon Production Industrial Park, Baku, Azerbaijan ⁴Azerbaijan Medical University, Baku, Azerbaijan ⁵Yeditepe University, Istanbul, Türkiye</p>
35	<p>The role of IL-33/ST2 pathway in liver pathology in experimental model of high-fructose/high-fat diet-induced obesity</p> <p>Jovicic Nemanja, Selakovic Dragica, Milanovic Pavle, Rosic Gvozden University of Kragujevac, Kragujevac, Serbia</p>
36	<p>EEG Alpha rhythm in subject with hypertonicity of masticatory muscles</p> <p>Savaneuskaya Alena Belarusian State University, Minsk, Belarus</p>
37	<p>Differences in the role of receptor-like kinases in the immune response of <i>Solanaceae</i> plants to the pathogen <i>P. versatilis</i></p> <p>Katerina Shrub, Nastassia Kalubaka, Nikolaichik Yevgeny Belarusian State University, Minsk, Belarus</p>

38	<p>The hepato-renal effect of <i>Ageratum conyzoides</i> aqueous extract on paracetamol induced toxicity in Wistar rats</p> <p>Adeoke Olatunbosun¹, Ezerioha Chidi² ¹<i>Baku State University, Baku, Azerbaijan</i> ²<i>University of Port Harcourt, Port Harcourt, Nigeria</i></p>
39	<p>Comparative analysis of the activity of components of the potato antioxidant system under conditions of PVM virus infection</p> <p>Gajimuradova Aissarat¹, Turpanova Rauza², Ismukanova Gulzhamal², Arystanova Sholpan² ¹<i>S.Seifullin Kazakh Agrotechnical University, Nur-Sultan, Kazakhstan</i> ²<i>L.N. Gumilyov Eurasian National University, Nur-Sultan, Kazakhstan</i></p>
40	<p>The relationship between ROS generation and PS II proteins phosphorylation in rice plants exposed to intense light</p> <p>Pashayeva Aynura^{1,2}, Wu Guangxi², Lee Choon Hwan², Zulfugarov Ismayil¹ ¹<i>Institute of Molecular Biology and Biotechnology, Baku, Azerbaijan</i> ²<i>Pusan National University, Busan, Korea</i></p>
41	<p>Exploring an amazing underground world: endophytic fungal biology</p> <p>Prasad Ram <i>Mahatma Gandhi Central University, Bihar, India</i></p>
42	<p>Peripheral blood saturation after the martinet test correlates with the sprinting ability of young basketball players</p> <p>Kazakevich Victor, Buzlyakov Nicolay <i>Belarusian State University, Minsk, Belarus</i></p>
43	<p>Implementation of the blinking reflex in people diagnosed with bruxism</p> <p>Maltseva Alexandra <i>Belarusian State University, Minsk, Belarus</i></p>
44	<p>Toxic based water quality in the Lower Gediz river basin, Anatolia, Türkiye</p> <p>Sayim Ferah¹, Yaşartürk Merve¹, Herkovits Jorge² ¹<i>Ege University, İzmir, Türkiye</i> ²<i>Institute of Environmental Sciences and Health, Fundacion PROSAMA, Buenos Aires, Argentina</i></p>
45	<p>Diversity of fishes in the tributaries of the Syrdarya river within the Republic of Kazakhstan</p> <p>Sapargaliyeva Nazym, Mamilov Nadir, Ibrayeva Gulmira <i>Al-Farabi Kazakh National University, Almaty, Kazakhstan</i></p>