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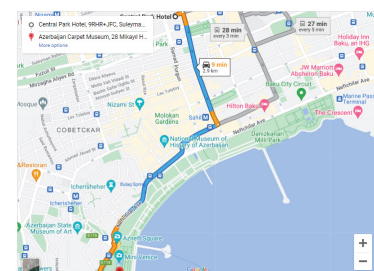
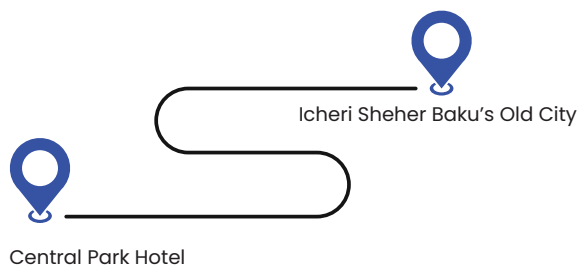
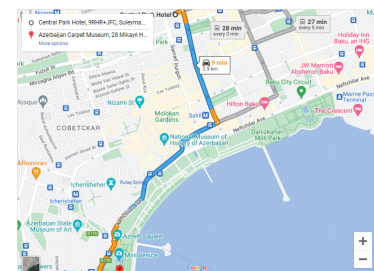
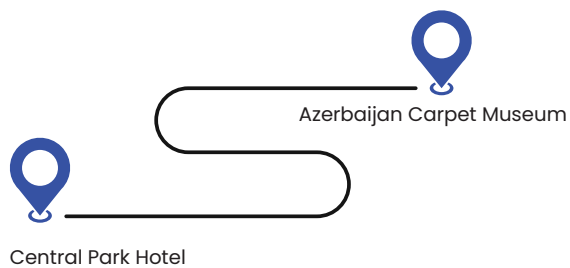
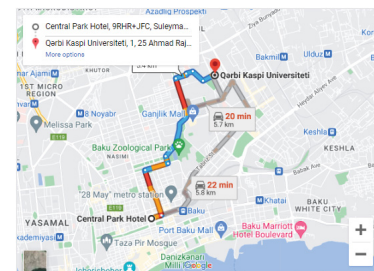
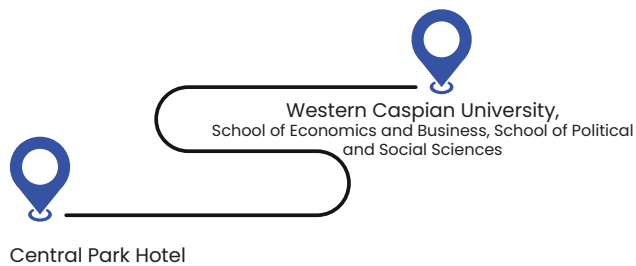
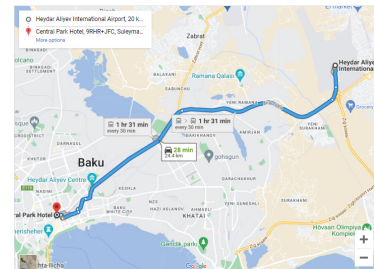
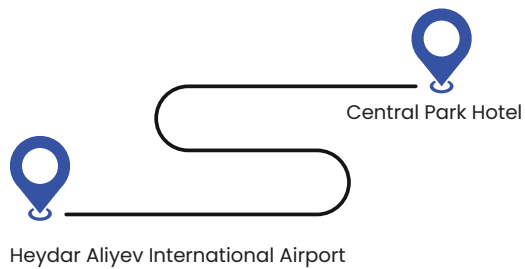


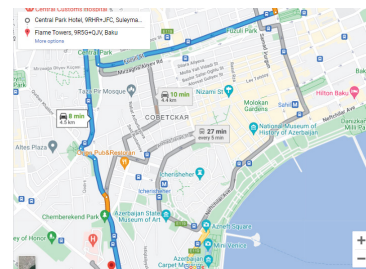
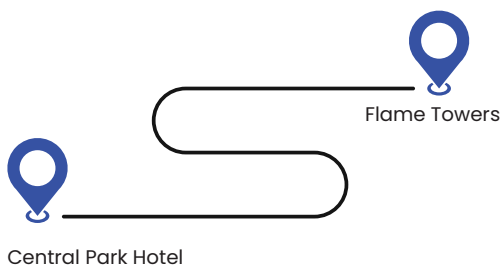
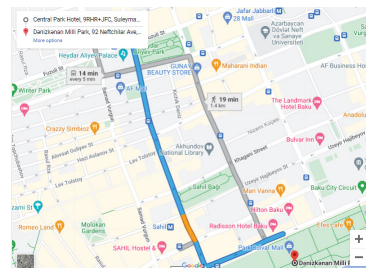
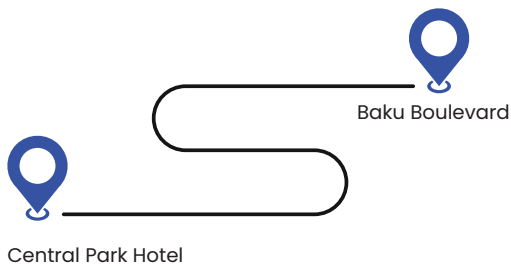
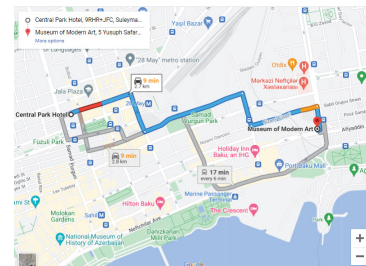
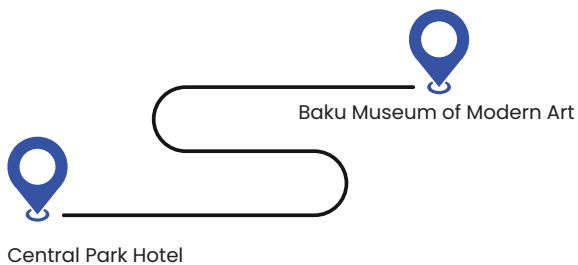
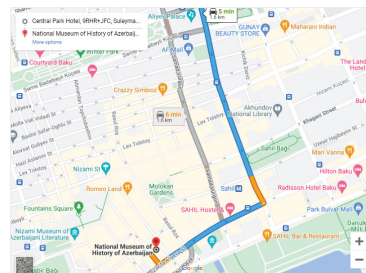
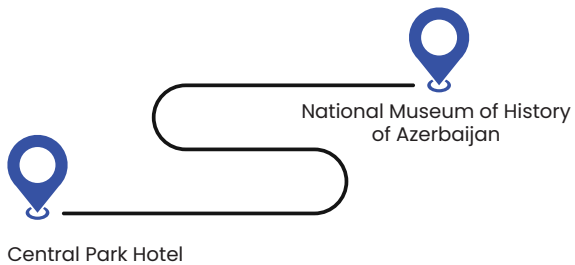
# II INTERNATIONAL CONFERENCE

**"MOUNTAINS: BIODIVERSITY, LANDSCAPES AND CULTURES"**

*November 5-6, 2024. at 10:00. BAKU. AZERBAIJAN*





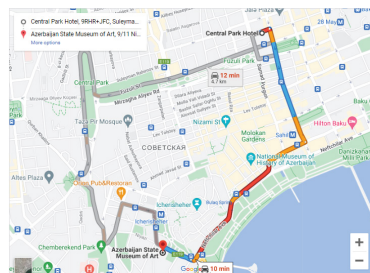




Central Park Hotel



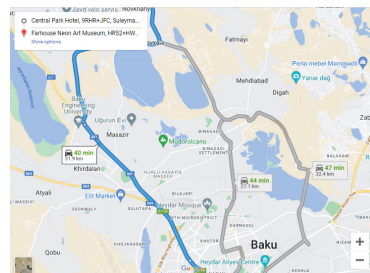
National Art Museum of Azerbaijan



Central Park Hotel



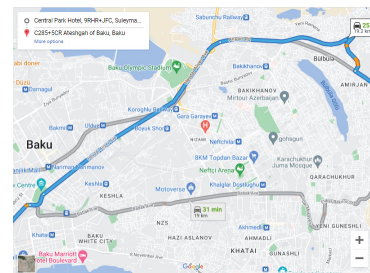
Farhouse Neon ART Museum



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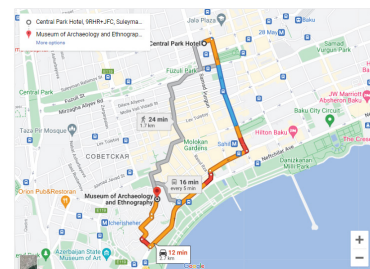
Ateshgah of Baku



Central Park Hotel



Gala State Historical Ethnographic Reserve





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II INTERNATIONAL CONFERENCE

MOUNTAINS: BIODIVERSITY, LANDSCAPES AND CULTURES

# II INTERNATIONAL CONFERENCE

"MOUNTAINS: BIODIVERSITY, LANDSCAPES AND CULTURES"

*November 5-6, 2024. at 10:00. BAKU. AZERBAIJAN*



TASHKENT INSTITUTE OF IRRIGATION & AGRICULTURAL  
MECHANIZATION ENGINEERS"  
NATIONAL RESEARCH UNIVERSITY (UZBEKISTAN)



CAUCASUS NETWORK FOR SUSTAINABLE DEVELOPMENT  
OF MOUNTAIN REGIONS



INSTITUTE OF RADIATION PROBLEMS OF THE MINISTRY  
OF SCIENCE AND EDUCATION OF THE REPUBLIC OF AZERBAIJAN



"DENDROLOGY GARDEN" PUBLIC LEGAL ENTITY UNDER  
THE AUTHORITY OF THE HEAD OF THE EXECUTIVE POWER OF BAKU CITY



"INSTITUTE OF GEOGRAPHY NAMED AFTER ACAD.  
H.A. ALIYEV MINISTRY OF SCIENCE AND EDUCATION OF THE REPUBLIC OF AZERBAIJAN

## PROGRAM OVERVIEW

**Tuesday, 5 November 2024**

09:00- 9:50	Registration				
10:00 -10:15	Opening ceremony (Room: 502)				
10:15-12:30	Plenary Panel (Room: 502)				
12:30 - 13:30	Coffee / tea break				
	SESSION I-A	SESSION I-B	SESSION II-A	SESSION II-B	
	5th Floor, Room: 502	3rd Floor, Room: 305	5th Floor, Room: 501	3rd Floor, Room: 304	
13:40-17:00					
	SESSION III-A	SESSION III-B	SESSION IV-A	SESSION IV-B	SESSION IV-C
	3rd Floor, Room: 308	3rd Floor, Room: 302	4th Floor, Room: 405	4th Floor, Room: 408	4th Floor, Room: 402
15:30-16:00	Coffee / tea break				

### Exhibitions

FLOOR 1	Registration / Book exhibition
FLOOR 3	Exhibition of works by students of the Faculty of Design
FLOOR 4	Coffee / tea break

## PROGRAM OVERVIEW

### Wednesday, 6 November 2024

10:00 -11:50      Session

12:00              **Closing ceremony (Room: 502)**

**SESSION I -A**  
5th Floor,  
Room: 501

**SESSION I-B**  
3rd Floor,  
Room: 305

**SESSION I-C**  
3rd Floor,  
Room: 308

10:00 -11:50

**SESSION II-A**  
4th Floor,  
Room: 409

**SESSION II-B**  
4th Floor,  
Room: 402

**SESSION IV**  
4th Floor,  
Room: 408

### Wednesday, 5-6 November 2024

**From Baku to Khinalig village of Guba district**

**From Khinalik to Atashgah by mountain cars**

**Gizilgaya**

**Heydar Peak**

**Return to Baku**

**November 5, 2024****10:00 -10:15**

Opening Ceremony of the II International Conference  
**Mountains: Biodiversity, Landscapes and Cultures**

**Welcome Remarks by:**

Professor, **Hussein Baghirov**  
*President of Western Caspian University*

Professor, **Mary Sanseverino**  
*Independent Mountain Studies Researcher, UIAA*

**Sara Manuelli**  
*Coordinator of the Mountain Partnership Secretariat*

Professor, **Islam Mustafayev**  
*Director general of the Institute of Radiation Problems of the Ministry of Science and Education of the Republic of Azerbaijan. Baku, Azerbaijan.*

**Simon Seiichiro Maru**  
*Japan Mountain Sport Climbing Association, Former President Japan Olympic Association, Councilor. Japan*

**10:15 - 12:30****KEYNOTE SESSION****Hussein Baghirov**

Study of the Greater Caucasus glaciers and forest distribution routes.  
*Western Caspian University. Azerbaijan.*

**Mary Sanseverino**

Mountaineers and “Citizen Science”: Innovative ways to let mountains speak.  
*Independent Mountain Studies Researcher, UIAA. Canada.*

**Sara Manuelli**

The mountain partnership as the global platform for mountains: catalyzing action for the resilience of mountain ecosystems and communities.  
*Mountain Partnership Secretariat, Italy.*

**Jan Cools**

Research coordinator environment, climate change, adaptation and sustainable development. Coordinator of Transform Ar.EU, Belgium

**Svetlana Belova**

Creative mountains: innovating approaches for promotion of remote rural areas.  
*Machaon International, Slovakia.*

**Khagani Mammadov**

Relationship of soil fertility of foothills with inorganic components.  
*Institute of Radiation Problems of the Ministry of Science and Education of the Republic of Azerbaijan. Baku, Azerbaijan.*

Moderator: **Dr. Afag Hasanova**

## SESSION I - A

### Global Ecological Problems

**The session will be held on:** 5th Floor, Room: 502

#### Directions for discussion:

- ✓ Causes of climate change, research of glaciers and forests
- ✓ Impact of poor waste management on ecosystems, human health and climate change

Moderators: **Mahluga Yusifova, Sara Manuelli**

<b>13:30 -13:40</b>	<b>Arzu Mustafayev, Sayyara Ibadullayeva.</b> Regarding the biological diversity of the Shahdagh area. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>13:40 -13:50</b>	<b>Nazife Güngör.</b> Ecology, humanity and media. <i>Üsküdar University, Türkiye.</i>
	<b>Gül Esra Atalay.</b> Greenwashing in Turkish Commercial Campaigns. <i>Üsküdar University Türkiye, e.</i>
	<b>Bahar Muratoğlu Pehlivan.</b> Commercialization of Mountains: Spiritual Retreats and Camps. <i>Üsküdar University, Türkiye.</i>
<b>13:50-14:00</b>	<b>Fuad Humbatov.</b> Environmental and socio-political security risks correlation in mountainous areas. <i>Academy of Public Administration under the President of the Republic of Azerbaijan.</i>
<b>14:00 -14:10</b>	<b>Mueen Alam Khan, Rashid Iqbal.</b> Characterization of genetic diversity to ecological stripe rust resistance in bread wheat ( <i>Triticum aestivum</i> L.). <i>The Islamia University of Bahawalpur, Bahawalpur, Pakistan.</i>
<b>14:10-14:20</b>	<b>Zaur Imrani, Aliakbar Rasouli.</b> Visualizing changes in the Greater Caucasus Mountains snow cover by applying an integrated fusion of multi-sensor imagery. <i>Institute of Geography, MoSE, Baku, Azerbaijan.</i>
<b>14:20-14:30</b>	<b>Saeed Ahmad.</b> Impact of science and technology for a better tomorrow – environment and eco system perspective. <i>The Islamia University of Bahawalpur, Bahawalpur, Pakistan.</i>
<b>14:30-14:40</b>	<b>Ashaq Malik.</b> Impact of climate change on mountain biodiversity with special reference to Pirpanjal. <i>IQAC Coordinator, Dehli, India.</i>

<b>14:40-14:50</b>	<b>Masuma Piriyeva.</b> Globalization and mountain tourism: the impact of international tourist flows on the economy. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>14:50-15:00</b>	<b>Konul Gafarbayli, Suldaz Salimov, Pari Salimova.</b> Agroecological characteristics of soils distributed in the territory of Karabakh Economic Region (Aghdam district). <i>Institute of Soil Science and Agrochemistry of the Ministry of Science and Education of the Republic of Azerbaijan.</i>
<b>15:00-15:10</b>	<b>Ulkar Gadiyeva, Gunay Mammadova, Gulnara Alakbarli, Sevil Akhundova, Lala Bunyatova.</b> Diagnostic indicators of eroded mountain gray-brown soils on the south-eastern slope of the Greater Caucasus. <i>Institute of Soil Science and Agrochemistry of the Ministry of Science and Education of the Republic of Azerbaijan, Baku, Azerbaijan.</i>
<b>15:10-15:20</b>	<b>Aman Sagar, Arul Jyothi, P V. Ranjith.</b> Gen Z preference towards cosmetics brands that are focused on sustainability and environmental issues. <i>Ramaiah Institute of Management, India.</i>
<b>15:20-15:30</b>	<b>Nilufar Safarova.</b> Research on the protection and safety of the ecological environment. <i>Azerbaijan National Aerospace Agency, Baku, Azerbaijan.</i>
<b>15:30-16:00</b>	<b>Coffee Break</b>
<b>16:00-16:10</b>	<b>Anatoly Vlashchuk, Nataliia Valentiuk.</b> Changes in the agrochemical and microbiological composition of the soil during the cultivation of leguminous forage grasses in the conditions of the Southern Steppe of Ukraine. <i>Institute of Climate-Smart Agriculture of the NAAS of Ukraine, Odesa, Ukraine.</i>
<b>16:10-16:20</b>	<b>Volodymyr Knysh, Nadiia Kosenko.</b> Efficiency of silicon-containing fertilizers in the adaptive technology of muscat puFmpkin cultivation in the South of Ukraine. <i>Institute of Climate-Smart Agriculture of NAAS, Department of Vegetable and Melon Growing, Odesa, Ukraine.</i>
<b>16:20-16:40</b>	<b>Iryna Antonik, Oleksii Danchuk.</b> Global environmental challenges in livestock farming: solutions and sustainable development. <i>Institute of Climate-Smart Agriculture of the National Academy of Agrarian Sciences of Ukraine.</i>
<b>16:40 -16:50</b>	<b>Asmar Valiyeva, Elshan Amrahov.</b> Management of natural disasters caused by climate change and development of new climate models. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>16:50-17:00</b>	<b>Gumru Huseynova, Asmar Valiyeva, Elvira Tahmezli, Seymur Karimov, Matanat Tahmezli.</b> Innovative technologies in the study of the impact of global climate change on the river basins of the Guba-Khachmaz economic district of the Republic of Azerbaijan. <i>Western Caspian University, Baku, Azerbaijan.</i>

**SESSION I - B****Global Ecological Problems**

**The session will be held on:** 3rd Floor, Room: 305

**Directions for discussion:**

- ✓ Causes of climate change, research of glaciers and forests
- ✓ Impact of poor waste management on ecosystems, human health and climate change

**Moderators:** Asmar Valiyeva, Natavan Karamova

<b>13:30 -13:50</b>	<b>Fuad Guliyev.</b> Ecotourism in Goygol National Park. <i>Biodiversity Protection Service of Ministry of Ecology and Natural Resources, Goygol National Park. Baku, Azerbaijan.</i>
<b>13:50-14:00</b>	<b>A.D. Agazade, L.A. Javadova.</b> Research on inhibiting properties of new schale deposition reagents. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>14:00 -14:10</b>	<b>Dilara Taghiyeva.</b> Protecting the environment with artificial intelligence. <i>Baku, Azerbaijan.</i>
<b>14:10-14:20</b>	<b>Konul Shixeliyeva.</b> Development of research skills of children in the process of teaching environmental education in pre-school education institutions, <i>Azerbaijan State Pedagogical University, Baku, Azerbaijan.</i>
<b>14:20-14:30</b>	<b>Nurmammad Mammadov, Samira Akbarova.</b> Research areas on the transition to renewable energy sources in bibliographic publications. <i>Azerbaijan University of Architecture and Construction. Baku, Azerbaijan.</i>
<b>14:30-14:50</b>	<b>Heorhii Shlishchuk, Nataliia Volkova.</b> <i>Cicer arietinum</i> abscisic acid receptor PYL1 and glycine-rich RNA-binding, abscisic acid-inducible protein-like differential expression under induced drought conditions. <i>Institute of Climate-Smart Agriculture of the National Academy of Agrarian Sciences of Ukraine, Odesa, Ukraine.</i>
<b>14:50-15:00</b>	<b>Natavan Karamova, Nazrin Khayrullayeva, Naila Guliyeva, Ulkar Ganbarli, Nazrin Mustafazade, Samira Aliyeva, Rukhsara Mammadli.</b> Comparative study of indicators of mental development of primary school children living in mountainous, foothill and coastal areas. <i>Western Caspian University, Baku, Azerbaijan.</i>

<b>15:00-15:10</b>	<b>Yurii Tarariko, Vladyslav Knysh.</b> Bioenergy agroecosystems as a basis for food sustainability. <i>Institute of Water Problems and Land Reclamation of the NAAS, Kiyev, Ukraine.</i>
<b>15:10-15:20</b>	<b>Rayisa Vozhehova, Vira Borovyk.</b> Inheritance of yield and fiber length in hybrids cotton of the first generation F1. <i>Institute of climate-oriented agriculture National Academy of Agrarian Sciences of Ukraine, Odesa Ukraine.</i>
<b>15:20-15:30</b>	<b>Nurmammad Mammadov, Jamil Guliyev, Cengiz Taplamachioğlu, Mahir Dursun, Malahat Mammadova.</b> Prospects for using solar energy in conditions of negative global and regional climate change. <i>Azerbaijan University of Architecture and Construction. Baku, Azerbaijan.</i>
<b>15:30-16:00</b>	<b>Coffee Break</b>
<b>16:00-16:20</b>	<b>Rena Ibayeva, Khayala Abbasova.</b> The impact of agriculture on the environment. <i>The Plant Protection and Technical Scientific Research Institute, Baku, Azerbaijan.</i>
<b>16:20-16:40</b>	<b>Turan Huseynov, Aydin Yahyayev.</b> Ailant tree genus: bioecological characteristics and economic importance in Absheron Peninsula. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>16:40 -16:50</b>	<b>G. Aydamirova, E. Musaev, H.Al-Said.</b> Assessment of the state of Kalbajar forests and distribution of hazelnut. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>16:50-17:00</b>	<b>Rob Marchant.</b> The role of diverse farming systems for supporting sustainable mountain development. <i>Tropical Ecology, University of York, United Kingdom</i>

## SESSION II - A

### *Global Mountain Biodiversity Assessment*

**The session will be held on:** 5th Floor, Room: 501

**Directions for discussion:**

- ✓ *The role of mountains in shaping biodiversity;*
- ✓ *Driving forces of change process: recent trends and impacts*
- ✓ *Addressing negative impacts to ecosystems, ecology and biodiversity: adaptation and mitigation*

Moderators: **Ayaz Mammadov, Iqbal Rashid**

<b>13:30 -13:40</b>	<b>Saleh Aliyev, Konul Ahmadova, Shabnam Farzali.</b> Macrozoobenthos of the rivers of Northeastern Azerbaijan. Baku State University, AZ1148, Baku, Azerbaijan
<b>13:40 -13:50</b>	<b>Temoor Ahmed, Muhammad Noman.</b> Non-enabled microbiome engineering to improve plant-soil health. <i>Institute of Biotechnology, Zhejiang University, Hangzhou, China.</i>
<b>13:50-14:00</b>	<b>Sevinj Nuriyeva, Zeynal Akparov.</b> Polymorphism of gliadin proteins in local ( <i>Triticum durum</i> ) wheat genotype in Azerbaijan. <i>Genetic Resources Institute of Institute of Soil Science and Agrochemistry of the Ministry of Science and Education of the Republic of Azerbaijan., Baku, Azerbaijan.</i>
<b>14:00 -14:10</b>	<b>Faisal Iqbal.</b> Metal-organic framework derived carbon composites as electrode materials for supercapacitor. <i>Pakistan.</i>
<b>14:10-14:20</b>	<b>Sevda Babayeva, Khanbala Rustamov, Mehraj Abbasov.</b> Genetic diversity of bread wheat genotypes grown in different landscapes using SSR marker analysis. <i>Genetic Resources Institute of Institute of Soil Science and Agrochemistry of the Ministry of Science and Education of the Republic of Azerbaijan. Baku, Azerbaijan.</i>
<b>14:20-14:30</b>	<b>G.G. Abishova, G.L. Aliyeva, A.S. Teyyubova.</b> Ecological problems of land reserves of the republic of Azerbaijan and their protection. <i>Institute of Ecology of the Azerbaijan National Aerospace Agency.</i>

<b>14:30-14:50</b>	<b>Yasir Hamid, Xiaoe Yang.</b> Novel thiol-grafted composite of chitosan and rice straw biochar (TH@CT-BC): A two-step fabrication for highly selective adsorption of cadmium from contaminated water. <i>Ministry of Education (MOE) Key Lab of Environ. Remediation and Ecol. Health, College of Environmental and Resource Sciences, Zhejiang University, China.</i>
<b>14:50-15:00</b>	<b>Muhammad Shahid Khan.</b> Nano fertilizers with less eco-toxicity a friendly source of crop improvement. <i>Suan Sunandha Rajabhat University, Bangkok, Thailand.</i>
<b>15:00-15:20</b>	<b>A.A. Mammadov, R.Q.Huseynova, Ch.M. Shabanova.</b> Monitoring the state of the South Caucasus Mountain systems from the standpoint of preserving landscapes and biodiversity. <i>Biodiversity Protection and Conservation Society "HAYAJAN", Baku, Azerbaijan.</i>
<b>15:20-15:30</b>	<b>Tahir Karimov, Sevinj Rajabova, Leyla Ahmedli, Ayaz Mammadov.</b> The “sanitary” role of the necrophagous birds in the ecosystems. <i>The Institute of Zoology of the Ministry of Science and Education of the Republic of Azerbaijan, Baku, Azerbaijan.</i>
<b>15:30-16:00</b>	<b>Coffee Break</b>
<b>16:00-16:10</b>	<b>Sheker Mammadova, Faig Abdurahmanov, Mahmud Humbatov.</b> Main development directions of agricultural areas in the Eastern Zangezur region. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>16:10-16:20</b>	<b>Hamza Nidaazzi.</b> Exploring Strategic Conservatism in family-owned tourism businesses in the Atlas Mountains of Morocco. <i>Cadi Ayyad University, Morocco, North Africa. (online)</i>
<b>16:20-16:40</b>	<b>N.E.Totubaeva, K.T.Shalpykov.</b> Assessing the impact of temporary grassland removal on soil agrochemical properties: practical recommendations for sustainable management. <i>Kyrgyz-Turkish Manas University, Bishkek, Kyrgyzstan. (online)</i>
<b>16:40 -16:50</b>	<b>Sharqiyya Huseynli, Lalanda Farajova, Rasmiyya Janmammadova.</b> Measures to combat desertification in the Absheron Peninsula. <i>Institute of Ecology of Azerbaijan National Aerospace Agency, Baku, Azerbaijan.</i>
<b>16:50-17:00</b>	<b>Osti Netra Prasad.</b> Use of fodder tree leaves for ruminant animals. <i>Nepal Agriculture Research Council, Nepal.</i>

## SESSION II - B

### *Global Mountain Biodiversity Assessment*

**The session will be held on:** 3rd Floor, Room: 304

**Directions for discussion:**

- ✓ *The role of mountains in shaping biodiversity;*
- ✓ *Driving forces of change process: recent trends and impacts;*
- ✓ *Addressing negative impacts to ecosystems, ecology and biodiversity: adaptation and mitigation*

**Moderators:** Konul Ahmadova, Mueen Alam Khan

<b>13:30- 13:50</b>	<b>V. Hasanov, N. Mammadov, E. Ibrahimli, G. Feyziyeva, M. Mammadova.</b> Investigation of scale formation on glass tube coatings. <i>Azerbaijan University of Architecture and Construction, Baku, Azerbaijan.</i>
<b>13:50-14:00</b>	<b>Samira Baghirova.</b> The impact of climate change on the natural dendroflora of the Greater Caucasus. <i>“Dendrology Garden” Public Legal Entity, Baku, Azerbaijan.</i>
<b>14:00 -14:10</b>	<b>Hilal Gasimov, Mursal Seyidov, Dashgin Ganbarov Turan Mammadli, Bahruz Bayramov.</b> The biological resources and economic efficiency of wild vegetable plants in the Kukuchay basin. <i>Nakhchivan State University, Nakhchivan, Azerbaijan. (online)</i>
<b>14:10-14:30</b>	<b>Sevda Babayeva, Kamila Shikhaliyeva, Gamar Gurbanova, Sabina Hajiyeva, Vusala Izzatullayeva, Khanbala Rustamov, Mehraj Abbasov.</b> Genetic variation of lentil landraces across different altitudes in Azerbaijan. <i>Molecular Genetics and Genomics department of Genetic Resources Institute of Ministry of Science and Education of the Republic of Azerbaijan , Baku, Azerbaijan.</i>
<b>14:30-14:50</b>	<b>Arzu Hashimova, Bahruyya Bagirova, Svetlana Eyubova, Hasil Bagirov.</b> Effect of fertilizers on the productivity of plants under different ecological conditions. <i>Institute of Soil Science and Agrochemistry of the Ministry of Science and Education of the Republic of Azerbaijan, Baku, Azerbaijan.</i>
<b>14:50-15:00</b>	<b>T. Orujova, U. Gurbanova.</b> Biochemical diversity of <i>Chenopodiaceae</i> species: insights into adaptation and biodiversity. <i>Baku, Azerbaijan.</i>

<b>15:00-15:10</b>	<b>E.A. Akhmedov.</b> Assessment of the radioactivity of Dash Salahli bentonite clay at various depths of the deposit and the characteristics of physical processes occurring in the migration of radionuclides. <i>National Aviation Academy, Baku, Azerbaijan.</i>
<b>15:10-15:20</b>	<b>Ismat Mammadov.</b> Stratigraphic evaluation of petrographic indicators in Shamakhi-Gobustan area. <i>ASOIU, Baku, Azerbaijan.</i>
<b>15:20-15:30</b>	<b>Piriyeva Masuma.</b> The impact of global urbanization on natural resources and the environment. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>15:30-16:00</b>	<b>Coffee Break</b>
<b>16:00-16:20</b>	<b>Elimkhan Jafarov, Nushaba Hajieva, Mehriban Velijanova, Jamala Orujova, Huseyn Abiyev, Lala Allahverdiyeva, Gunel Mammadova, Anar Jafarov.</b> Structural changes induced by gamma radiation in Peganum harmala. <i>Radiobiology Department of Institute of Radiation Problems of the Ministry of Science and Education of the Republic of Azerbaijan, Baku, Azerbaijan.</i>
<b>16:20-16:30</b>	<b>Elkhan Rahimov, Sabina Manafova.</b> The impact of the Azerbaijan-Armenian conflict on biodiversity and the environment. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>16:30-16:40</b>	<b>Aydan Aghamalieva, Hokume Mehrelieva, Shalala Mammadova, Khadija Alieva, Agha Aleskerova Esli Ilaida.</b> Comparative study of some species of the genus <i>Acer</i> in the Hirkan flora using dendrochronological methods. <i>Dendrology Garden, Public Legal Entity.</i>
<b>16:40 -16:50</b>	<b>R.J.Hajiyeva, N.T.Huseynova, B.G. Asadova</b> Held in some regions of Azerbaijan results of genetic-selection research of fruit plants. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>16:50-17:00</b>	<b>L.A. Kazimova</b> Research on the aesthetic appeal of mountain geosystems landscapes. <i>ASOIU, Baku, Azerbaijan.</i>

**SESSION I - A*****Mountain Cultures***

***The session will be held on: 3rd Floor, Room: 308***

**Directions for discussion:**

- ✓ *The value of mountain cultures for society.*
- ✓ *Changing social structures, socioeconomic migration, and the effects these factors have on mountain communities.*
- ✓ *Finding common ground: balancing optimal solutions with valued outcomes in a climate of rapid social transformations*

Moderators: **Alla Bayramova, Svetlana Belova**

<b>13:30 -13:50</b>	<b>Maleyka Alizada.</b> Specific influence of the mountain landscape on the level of intelligence, worldview and national character of the mountain peoples of the south Caucasus. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>13:50- 14:10</b>	<b>Nargiz Akhundova.</b> Safavids: transformation of Sufi sheiks into the ruling dynasty of shahs. <i>Western Caspian University, Baku, Azerbaijan / University of Warsaw, Poland</i>
<b>14:10-14:20</b>	<b>Akdag Gürkan, Soylu Aykut Göktuğ.</b> Creative cuisine in the mountains: Yörük food culture. <i>Mersin University, Türkiye.</i>
<b>14:20-14:30</b>	<b>Aruz Mikayilov, Parvin Shukurlu.</b> The role of geomorphological factors in desertification in the southeastern part. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>14:30-14:50</b>	<b>Krishna Kumar.</b> The Sacred Manimahesh Yatra: socio-cultural traditions in the Pir Panjal Range of Greater Himalaya in Chamba district, Himachal Pradesh, India. <i>Indira Gandhi National Open University (HQ), India.</i>
<b>14:50-15:00</b>	<b>Vafa Mahmudova. Idris Aliyev.</b> Some decorations discovered from Khinalig monument of Guba region. <i>Institute of Archeology and Anthropology of ANAS.</i>
<b>15:00-15:10</b>	<b>Aysel Talibova.</b> The environmental approach to the visual perception of eastern and western motives in architecture. <i>ANAS Institute of Architecture and Art Department "History and Theory of Architecture"</i>

<b>15:10-15:20</b>	<b>Aytan Heydarli.</b> Climate change policies and ecosystem services for the protection and management of mountain ecosystems. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>15:20-15:30</b>	<b>Salminaz Azizova.</b> Kurmukoba holiday. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>15:30-16:00</b>	<b>Coffee Break</b>
<b>16:00-16:20</b>	<b>Rauf Mammadov, Kamala Mammadova.</b> Ecological and cultural problems of mountain cultures of the Caucasus and their solutions. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>16:20-16:30</b>	<b>Piri Akhundov, Uzeyir Zeynalov.</b> Ancient philosophy in the works of al-Kindi. <i>Western Caspian University, Baku, Azerbaijan</i>
<b>16:30 -16:40</b>	<b>Salman Ibishov.</b> Historical records on climate change in Azerbaijan. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>16:40 -17:00</b>	<b>Gunel Rahimli.</b> Alinja mountain fortress: a military-strategic and ideological center of medieval Azerbaijan. <i>Western Caspian University, Baku, Azerbaijan.</i>

**SESSION I- B*****Mountain Cultures***

***The session will be held on:*** 3rd Floor, Room: 302

**Directions for discussion:**

- ✓ *The value of mountain cultures for society.*
- ✓ *Changing social structures, socioeconomic migration, and the effects these factors have on mountain communities.*

Moderators: **Maleyka Alizada, Nargiz Akhundova**

<b>13:30 -13:50</b>	<b>Aytan Salimova, Fuad Baghirov.</b> Formation of Sufi Shelters as Cultural Centers. <i>The Azerbaijan University of Architecture and Construction.</i>
<b>13:50 -14:00</b>	<b>Piri Akhundov.</b> Specific features of political socialization of youth in modern period. <i>Western Caspian University, Baku, Azerbaijan</i>
<b>14:00-14:20</b>	<b>Rza Akhundov.</b> Political dimensions of global ecological governance frameworks. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>14:20-14:40</b>	<b>Aygun Mammadova.</b> Numismatic facts found in mountainous areas of Azerbaijan. <i>National Museum of History of Azerbaijan, Baku, Azerbaijan</i>
<b>14:40-15:00</b>	<b>Asli Abbasova.</b> Alinja mountains historical heritage of cultures, intersection in context. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>15:00-15:10</b>	<b>Bahar Isagova.</b> The role of Khinalig in the development of tourism and preservation of traditions in Northeastern Azerbaijan. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>15:10-15:30</b>	<b>Leyla Efendiyeva, Sevda Sadikhbeyova.</b> General analysis of the flora, fauna, ecosystem, mountain population, economy, and tourism of the Azerbaijan mountains. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>15:30-16:00</b>	<b>Coffee Break</b>
<b>16:00 -16:20</b>	<b>Aysel Kukhmazova.</b> Gakh - the land of major mountains and historical monuments. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>16:20 – 16:30</b>	<b>Vusala Akhundova, Piri Akhundov.</b> Medieval fortresses of the Goygol region. <i>Azerbaijan State Pedagogical University.</i>
<b>16:30 – 16:40</b>	<b>Nazilya Huseynova.</b> Carpet weaving traditions in the mountain areas of the south-eastern region of Azerbaijan. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>16:40 – 17:00</b>	<b>Gunay Hasanova, Aygun Gadirova.</b> The culture of the Caucasus peoples: in the works of photographer Dmitri Yermakov. <i>Western Caspian University, Baku, Azerbaijan.</i>

**SESSION IV - A*****Mountain Tourism and Economy***

**The session will be held in:** 4th Floor, Room: 405

**Directions for discussion:**

- ✓ *Economic activity and mountain protection: can a balance be found?*
- ✓ *Mountains and ecotourism: how do various stakeholders in mountain regions contribute to managing positive and negative impacts?*
- ✓ *New perspectives and proposals*

Moderators: **Cem Işık; Safar Purhani**

<b>13:30 -13:50</b>	<b>Bayır Abdulkadir, Bayır Mehtap, Turhan Serpil, Haluk Çağlar Kaymak, Cem Işık, Bilal Usanmaz.</b> An effective approach for sustainable food production: aquaponics. <i>Ataturk University, Erzurum, Türkiye.</i>
<b>13:50-14:10</b>	<b>D.Hudayberganov, O.Turayev, M.Raimboyeva, D.Bobojonova, D.Kuranbayeva, Sh.Ruzmetov.</b> Distinctive features of assessing opportunities to enhance the effectiveness of ecotourism businesses in regions. <i>Urgench State University, Urgench, Uzbekistan.</i>
<b>14:10-14:20</b>	<b>Alexey Mikhaylov.</b> Mathematical methods based on artificial intelligence in research about mountains and energy. <i>Financial University under the Government of the Russian Federation, Moscow, Russia.</i>
<b>14:20-14:30</b>	<b>Sinan Erdogan.</b> What causes deforestation: a panel data analysis for top deforested countries. <i>Hatay Mustafa Kemal University, Hatay, Türkiye.</i>
<b>14:30-14:50</b>	<b>Ayesha Rauf, Usama Asif, Muhammad Faisal.</b> Machine learning-driven resilient modulus prediction for flexible pavements across mountainous and other regions. <i>Department of Civil Engineering, Nazarbayev University, Kazakhstan.</i>
<b>14:50-15:00</b>	<b>Nahid Almasov, Elshan Orujov.</b> Organizational - economic aspects of mountain tourism management. <i>Azerbaijan University, Baku, Azerbaijan.</i>

<b>15:00-15:10</b>	<b>Viktoriia Boiko, Nataliia Lavrenko, Natig Mirzayev.</b> The potential of mountain tourism and its cultural revival in post-war Ukraine. <i>Hotel and Restaurant Business, Kherson State Agrarian and Economic University, Kherson, Ukraine.</i>
<b>15:10-15:20</b>	<b>Safar Purhani, Rasim Abbasov.</b> Role of rural areas in development of international tourism. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>15:20-15:30</b>	<b>Gunel Amrahova.</b> Fiscal resilience and state building: Analyzing the impact of taxation during post-conflict in Azerbaijan. <i>Department of Finance, Western Caspian University, Azerbaijan.</i>
<b>15:30-16:00</b>	<b>Coffee Break</b>
<b>16:00-16:10</b>	<b>Svitlana Pavliuk, Natig Mirzayev.</b> The tourism industry as a tool for local economic development of the territorial communities of the Carpathian region of Ukraine. <i>Mikolayiv Natioal Agricultural Uiversity, Mykolaiv, Ukraine.</i>
<b>16:10-16:20</b>	<b>Sadagat Ibrahimova.</b> Problems and prospects of sustainable development of mbuntain tourism in modern conditions. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>16:20 -16:40</b>	<b>Gulsura Y. Mehdiyeva.</b> Assessment of solar energy potential in Eastern Zangazur and Karabakh economic regions. <i>Azerbaijan Technological University, Baku, Azerbaijan.</i>
<b>16:40 -17:00</b>	<b>Intigam Huseynli, Safar Purhani.</b> The concept of alternative tourism and the study of the potential for wine tourism in Azerbaijan. <i>Western Caspian University, Baku, Azerbaijan.</i>
	<b>Vishwambhar Prasad Sati, Surajit Banergee.</b> Sustainable Homestay Tourism for Enhancing Rural Livelihood in the Uttarakhand Himalaya: A study of the Tons River Basin. <i>Mizoram University, Aizawl, India.</i>

## SESSION IV -B

*Mountain Tourism and Economy*

The session will be held on: 4th Floor, Room: 408

**Directions for discussion:**

- ✓ *Economic activity and mountain protection: can a balance be found?*
- ✓ *Mountains and ecotourism: how do various stakeholders in mountain regions contribute to managing positive and negative impacts?*
- ✓ *New perspectives and proposals*

Moderators: **Afag Hasanova, Elshan Orujov**

<b>13:30 -13:50</b>	<b>Uğur Korkut Pata, Selin Karlılar Pata.</b> Effects of forest area, environmental patents and financial progress on carbon emissions in Azerbaijan <i>Mustafa Kemal University, Türkiye.</i>
<b>13:50-14:00</b>	<b>Murad Rizvangaya, Hijran Rzazade</b> Creative tourism model proposal: the example of Lahij village in Azerbaijan. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>14:00 -14:10</b>	<b>Shukrane Akhundova, Mansur Madatov.</b> Public-private partnership as an innovative resource of the region. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>14:10-14:20</b>	<b>Gulnisa Mustafayeva, Sakhavat Mirzayev.</b> Energy tourism potentials of Kalbajar region, current opportunities and future prospects. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>14:20-14:30</b>	<b>Nargiz Khaligova.</b> Algorithm for determining priority directions of innovative development of agricultural production. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>14:30-14:40</b>	<b>Kamala Huseynova.</b> Evaluation of the financial method of activity of international companies in land cleaning and environmental protection. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>14:40-15:00</b>	<b>Aydin Rafiyev.</b> Bank credit policy in the development of small and medium-sized enterprises. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>15:00-15:10</b>	<b>Fidan Gurbanova, Sevinj Khasayeva, Saida Sirajova.</b> Characteristics of forest and soil ecosystems of mountain territories. <i>Azerbaijan State University of Economics (UNEC).</i>

<b>15:10-15:20</b>	<b>Adilagha Malikov, Said Alibekov, Levent Bozoglu.</b> Assessment of the current state of forest plantations. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>15:20-15:30</b>	<b>Safar Purhani, Sevda Mamedova.</b> Digital marketing in mountain tourism: challenges of the new time and development priorities. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>15:30-16:00</b>	<b>Coffee Break</b>
<b>16:00-16:20</b>	<b>Nizami Khudiyev, Rovshan Hasanov.</b> Socio-economic effects of mountain tourism development. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>16:20-16:30</b>	<b>Farid Aliyev, Asiman Guliyev.</b> Spiritual tourism trend and perspectives: the case of Azerbaijan. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>16:30-16:40</b>	<b>Nigar Bagirova.</b> The weight of inbound tourism in Azerbaijan’s socio-economic growth and the country’s potential for attaining leadership in the Transcaucasian region. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>16:40-17:00</b>	<b>Sulduz Salimov, Gulnara Mammadova.</b> Investigating the possibilities of efficient use of alternative energy potential in the territories of Karabakh. <i>Western Caspian University, Baku, Azerbaijan.</i>

## SESSION IV -C

*Mountain Tourism and Economy*

The session will be held on: 4th Floor, Room: 402

**Directions for discussion:**

- ✓ *Economic activity and mountain protection: can a balance be found?*
- ✓ *Mountains and ecotourism: how do various stakeholders in mountain regions contribute to managing positive and negative impacts?*
- ✓ *New perspectives and proposals*

Moderators: **Vusal Heydarov, Natig Mirzayev.**

<b>13:30 -13:50</b>	<b>Gulnara Hajiyeva, Aliya Gadzhigaibova, Gulbaniz Aliyeva.</b> Problems of sustainable environmental and economic development. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>13:50-14:00</b>	<b>Asef Garibov, Mansur Madatov.</b> Development opportunities of mountain tourism in Azerbaijan. <i>Baku Business University, Baku, Azerbaijan.</i>
<b>14:00 -14:10</b>	<b>Bahman Huseynli, Nigar Huseynli.</b> Examining the tourism potential of Azerbaijan’s mountain village Khinalig as a destination brand. <i>Azerbaijan State University of Economics, Baku, Azerbaijan.</i>
<b>14:10-14:20</b>	<b>Gunay Gasimova, Telman Mustafayev, Isa Gasimov.</b> The role of agritourism in the development of regions. <i>Western Caspian University, Baku, Azerbaijan. Baku Engineering University, Technopark, Baku, Azerbaijan.</i>
<b>14:20-14:30</b>	<b>Gulnisa Mustafayeva, Samira Mammadova, Tahmina Balajayeva.</b> Enhancing infrastructure competitiveness in alignment with COP-29 Climate Goals. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>14:30-14:40</b>	<b>Turan Jabarova.</b> The role of mountain culture in the development of tourism: the example of Azerbaijan. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>14:40-15:00</b>	<b>Habil Aslanov, Mansur Madatov.</b> Anatomy of modern economic relations and its features, <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>15:00-15:10</b>	<b>Irada Masimova.</b> The essence of regional tourism. <i>Western Caspian University, Baku, Azerbaijan.</i>

<b>15:10-15:20</b>	<b>Sevda Mikayilova.</b> Use of alternative energy sources is a guarantee of energy security. <i>Institute of Economics, Ministry of Science and Education of the Republic of Azerbaijan, Baku, Azerbaijan.</i>
<b>15:20-15:30</b>	<b>Gulnisa Mustafayeva, Muslumət Allahverdiyeva, Narmin Asadullah.</b> Tourism potential and assessment of the Mount Bazarduzu. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>15:30-16:00</b>	<b>Coffee Break</b>
<b>16:00-16:10</b>	<b>Anar Ibrahimov.</b> Economic basis of sustainable development of tourism in Beshbarmag mountain. <i>State Tourism Agency of the Republic of Azerbaijan.</i>
<b>16:10-16:20</b>	<b>Sevil Humbatova.</b> The place of natural resources in the model of transition to a green economy in Azerbaijan. <i>Azerbaijan Technical University, Baku, Azerbaijan.</i>
<b>16:20-16:30</b>	<b>Ashraf Hasanov.</b> Sustainable development implementation model mountain terrain. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>16:30 -16:50</b>	<b>Pervin Shukurlu, Yegana Ahmadova.</b> Impact of global climate change on mountain tourism in Azerbaijan. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>16:50-17:00</b>	<b>Peri Salimova, Gulnara Mammadova.</b> Directions for the improvement of environmental indicators for the Republic of Azerbaijan based on the methodology of the international environmental efficiency index. <i>Western Caspian University, Baku, Azerbaijan.</i>

**WEDNESDAY, 6****SESSION I -A****Global Ecological Problems**

**The session will be held on:** 5th Floor, Room: 501

**Directions for discussion:**

- ✓ Causes of climate change, research of glaciers and forests
- ✓ Impact of poor waste management on ecosystems, human health and climate change

**Moderators:** Masuma Piriyeva, Aruz Mikayilov

<b>10:00-10:10</b>	<b>Insaf Hamzayeva, Aydan Hamzayeva.</b> Global ecological problems and their solutions. <i>Institute of Ecology of Azerbaijan National Aerospace Agency, Baku, Azerbaijan.</i>
<b>10:10-10:20</b>	<b>A.I.Rzaguliyev.</b> The impact of patentability automation on ecology and environment. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>10:20-10:30</b>	<b>Elshan Ahmadov.</b> Sustainable management of water resources of the Karabakh economic zone. <i>The Academy of Public Administration under the President of the Republic of Azerbaijan. Khazar University.</i>
<b>10:30-10:40</b>	<b>Seljan Safaraliyeva, Agil Gasimov, Ulviyya Karimova-Japharova.</b> Ecological assessment of the use of pesticides used in palm, olive and elm plants in Azerbaijan. <i>Dendrology Garden" Public Legal Entity, Baku, Azerbaijan.</i>
<b>10:40-10:50</b>	<b>Rayisa Vozhehova, Svitlana Petrenko.</b> Digestate plus Chlorella is important alternative biotechnologies for soils and agricultural production in the conditions of climate change. <i>Institute of Climate Smart Agriculture of the National Academy of Agrarian Sciences of Ukraine.</i>
<b>10:50-11:00</b>	<b>Sevdagul Aliyeva, Gulnar Hajiyeva, Zumrud Nuriyeva.</b> Eco-geographical problems of forest ecosystems on the southeastern slope of the Greater Caucasus. <i>Azerbaijan Language University, Azerbaijan.</i>
<b>11:00-11:10</b>	<b>Natavan Karamova.</b> Comparative analysis of psychophysiological and health indicators of aged, elderly and long-lived from different mountainous districts of Azerbaijan. <i>Western Caspian University, Baku, Azerbaijan.</i>

11:10-11:20	<i>Laman Majidova, Munavva Safarova.</i> Use of alternative energy sources in solving environmental problems. <i>Odlar Yurdu University, Baku, Azerbaijan.</i>
11:20-11:30	<b>Shafiga Humbatova, Gunay Abbasova, Mahmud Humbatov.</b> The impact of the environmental situation on the landscapes of the Caspian Sea coast's Azerbaijan. <i>Baku State University, Baku, Azerbaijan.</i>
11:30-11:40	<b>Agil Gasimov, Aybaniz Hajiyeve, Shanay Albaliyeva, Gunay Alihasanova, Fatma Shahbazova.</b> Introduction <i>Thymus vulgaris</i> L. to the Absheron Peninsula, study of its biomorphological characteristics and extraction of essential oil. <i>Dendrology Garden public legal entity, Azerbaijan, Baku, Azerbaijan.</i>
11:40-11:50	<b>Kamila Majidli, Fagan Aliyev.</b> Ecological assessment of rivers flowing in the Kharabakh and Eastern Zangazur Regions. <i>AUAC, Baku, Azerbaijan.</i>

## SESSION I-B

### Global Ecological Problems

**The session will be held on:** 3rd Floor, Room: 305

**Directions for discussion:**

- ✓ Causes of climate change, research of glaciers and forests
- ✓ Impact of poor waste management on ecosystems, human health and climate change

**Moderators:** Ulviyya Karimova-Japharova, Ulkar Gadiyeva

<b>10:00-10:10</b>	<b>Aydın Yakhyayev, T.X. Akhundov, E.I. Latifzade.</b> Dynamics of forest development and deforestation in Azerbaijan. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>10:10-10:20</b>	<b>Bahram Aliyev, Teymur Hajiyeu, Aynur Heydarova, Rasmiyya Janmammadova.</b> Study of soil erosion in Zagatala region. <i>Azerbaijan National Aerospace Agency.</i>
<b>10:20-10:30</b>	<b>Yaroslav Hadzalo, Yaroslav Likar.</b> Directions for reducing pesticide pressure on agro-landscapes. <i>National Academy of Agrarian Sciences of Ukraine Україну, Kyiv, Ukraine.</i>
<b>10:30-10:40</b>	<b>Validə Mammadaliyeva, Vüsalə Nasirova, G.S.Heydarzade.</b> Assessment of the dynamic state of forest vegetation cover in the Lesser Caucasus: the case of the Dashkesan, Gadabay, Kalbajar, Lachin, Gubadli and Zangilan districts. <i>Baku, Azerbaijan.</i>
<b>10:40-11:00</b>	<b>Vugar Khudaverdiev, Rana Khankishiyeva, Gunel Mammadova, Aida Azizova.</b> Detonation approach to ecological recycling of used lubricant. <i>Institute of Radiation Problems of the Ministry of Science and Education of the Republic of Azerbaijan, Baku, Azerbaijan.</i>
<b>11:00-11:10</b>	<b>Lala Jabbarova, Islam Mustafaev, Navai Ibadov, Nigar Guliyeva, Aida Mirzayeva.</b> Study of post-radiation effects in gasolines. <i>Institute of Radiation Problems of the Ministry of Science and Education of the Republic of Azerbaijan, Baku, Azerbaijan.</i>
<b>11:10-11:20</b>	<b>Goshgar Aliyev, Emin Aliyev.</b> Comprehensive analysis of oil sludge from the Absheron Peninsula to solve environmental problems. <i>Western Caspian University, Baku, Azerbaijan.</i>

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<b>11:20-11:30</b>	<b>Durdana Rustamova, N. Suleymanov, G. Gafarov, S. Bakhshaliyeva</b> Application of WiMax technology in difficult geographical conditions: perspectives for mountain environment. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>11:30-11:40</b>	<b>Alasgar Agazade, Narmina Abdullayeva.</b> Prevention of salt precipitation in oil recovery. <i>Western Caspian University, Baku, Azerbaijan.</i>

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## SESSION I - C

### Global Ecological Problems

**The Session will be held on:** 3rd Floor, Room: 308

**Directions for discussion:**

- ✓ Causes of climate change, research of glaciers and forests
- ✓ Impact of poor waste management on ecosystems, human health and climate change

Moderators: **Alasgar Alizade**

<b>10:00-10:10</b>	<b>Sabina Mustafayeva.</b> Digital technologies and artificial intelligence in environmental protection. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>10:10-10:20</b>	<b>Saida Hasanova, Zeynal Akparov, Kamila Shikhaliyeva, Sudaba Hasanova.</b> Assessment of relationship in chickpea ( <i>Cicer arietinum</i> L.) based on productivity characteristics and SSR markers in Azerbaijan. <i>Institute of Genetic Resources of the Ministry of Science and Education of Republic of Azerbaijan, Baku, Azerbaijan.</i>
<b>10:20-10:30</b>	<b>Iryna Ishchenko, Yurii Savchuk.</b> Peculiarities of growing and developing technical grape varieties on terraces in the conditions of the Black Sea coast of the Odessa region. <i>Department of Horticulture Viticulture, Biology and Chemistry, Odesa State Agrarian University, Odesa, Ukraine.</i>
<b>10:30-10:40</b>	<b>Leyla Zeynalova, Teymur Hajiye, Seadet Huseynova,</b> The impact of the erosion process on the soils of Oghuz region. <i>Institute of Ecology of Azerbaijan National Aerospace Agency. Baku, Azerbaijan.</i>
<b>10:40-10:50</b>	<b>Mykola Zhuk, Viacheslav Rudenko.</b> Peculiarities of chickpea growing technology in the steppe zone of Ukraine. <i>Odessa State Agricultural Experimental Station of Institute of Climate-Smart Agriculture of National Academy of Agrarian Sciences of Ukraine.</i>
<b>10:50-11:00</b>	<b>Sema Bayramova.</b> Global environmental problems. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>11:00-11:10</b>	<b>Aynur Ibrahimova.</b> The negative effects of the ecological terror to the flora in Karabakh. <i>Nakhchivan State University, Nakhchivan, Azerbaijan.</i>

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<b>11:10-11:20</b>	<b>Taras Zhygailo and Olena Zhygailo.</b> Assessment of climate changes impact on sunflower productivity through mathematical modeling. <i>Institute of Climate-Smart Agriculture of the National Academy of Agrarian Sciences of Ukraine, Odesa, Ukraine.</i>
<b>11:20-11:30</b>	<b>Aynur Heydarova, Teymur Hajiyeu, Tarana Babayeva, Hamida Aliyeva, Aytan Orujova.</b> Global warming and the impact of global warming on Azerbaijan. <i>Institute of Ecology of Azerbaijan National Aerospace Agency, Baku, Azerbaijan</i>
<b>11:30-11:40</b>	<b>Aynur Akhundlu, Hijran Rafiyeva, Gulshan Novruzova.</b> Prospects for eliminating ecology's detrimental impact on Azerbaijan's economy. <i>Baku State University, Azerbaijan.</i>

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## SESSION II- A

### *Global Mountain Biodiversity Assessment*

**The Session will be held on:** 4th Floor, Room: 409

**Directions for discussion:**

- ✓ *The role of mountains in shaping biodiversity;*
- ✓ *Driving forces of change process: recent trends and impacts;*
- ✓ *Addressing negative impacts to ecosystems, ecology and biodiversity: adaptation and mitigation*

Moderators: **Konul Ahmadova, Ayaz Mammadov**

<b>10:00-10:10</b>	<b>Ayaz Mammadov, Saltanat Aghayeva, Guduret Bakirov, Mahpuba Gulubeyova, Gular Ismayilova.</b> Genetic diversity analysis of mulberry silkworm ( <i>Bombyx mori</i> L.) hybrids and breeds in Azerbaijan using RAPD markers. <i>Western Caspian University, Baku Azerbaijan.</i>
<b>10:10-10:20</b>	<b>Abdul Qayyum Rao, Aneela Yasmeen, Sana Shakoor, Naila Shahid, Ayesha Latif, Saira Azam, Tahir Rehman Samiullah, Muhammad Awais, Ruhangiz Mammadova, Allah Bakhsh.</b> Crop traits improvement through genetic modification and genome editing approaches, <i>CEMB University of the Punjab, India.</i>
<b>10:20-10:30</b>	<b>Jan Purkyt, Vilém Pechanec, Ondřej Cudlín, Marcela Prokopová, Ahmed Mohammed Ahmed Alhuseen, Pavel Cudlín.</b> Sustainable natural habitats – the first condition for sustainable tourism. <i>Global Change Research Institute of the Czech Academy of Sciences Department of Geoinformatics, Faculty of Science, Palacký University Olomouc.</i>
<b>10:30-10:40</b>	<b>Nurlana Novruz.</b> Rare irises of the Darelayaz range. <i>Nakhchivan Institute of Teachers, Nakhchivan, Azerbaijan.</i>
<b>10:40-10:50</b>	<b>Rashid Iqbal.</b> A general overview of cholistan desert, Pakistan, with reference to environmental variables. <i>The Islamia University of Bahawalpur, Bahawalpur, Pakistan.</i>
<b>10:50-11:00</b>	<b>Agil Hakhiyev, Sevinj Rajabova, Ayaz Mammadov.</b> The comparative analysis of the cytogenetic and morphometric characteristics of some mammals. <i>The Institute of Zoology of the Ministry of Science and Education of the Republic of Azerbaijan.</i>

<b>11:00-11:10</b>	<b>Afolabi Babatund.</b> Mountain tourism – towards a more sustainable path. <i>Kampala University Campus, Kampala, Uganda.</i>
<b>11:10-11:20</b>	<b>Ruhangiz Mammadova, Shader Alizade, Afet Mammadova, Aytan Shirinova, Nurlan Amrahov, Goncha Aghazada, Asli Javadova, Babak Shahmorad Moghanloo, Khayala Abishova, Taravat Huseynova.</b> Evaluation of the effect of exogenous application of indole-3-acetic acid on morphophysiological parameters under salt (NaCl) stress in cotton ( <i>G.hirsutum</i> L.). <i>Baku State University, Baku, Azerbaijan.</i>
<b>11:20-11:30</b>	<b>Tetiana Marchenko, Olena Piliarska.</b> Influence of plant density and biological products on the formation of seed yield of maize lines under irrigation conditions. <i>Institute of Climate Sensitive Agriculture National Academy of Agrarian Sciences of Ukraine, Odesa, Ukraine.</i>
<b>11:30-11:40</b>	<b>Safura Ismayilova, Fagan Aliyev.</b> Impact of temperature changes on Urban Heat Island: Baku. <i>AUAC, Baku, Azerbaijan</i>

**SESSION II- B*****Global Mountain Biodiversity Assessment***

***The Session will be held in:*** 4th Floor, Room: 402

**Directions for discussion:**

- ✓ *The role of mountains in shaping biodiversity;*
- ✓ *Driving forces of change process: recent trends and impacts;*
- ✓ *Addressing negative impacts to ecosystems, ecology and biodiversity: adaptation and mitigation*

**Speakers: Konul Ahmadova, Mueen Alam Khan**

<b>10:00-10:20</b>	<b>Leyla Atayeva, Sariye Ahmadova, Lala Nasirli, Jamala Aghayeva, Gulnar Zakharova, Vagida Mammadova.</b> Effects of environmental variability on the genus <i>Olea</i> L. <i>Dendrology Garden public legal entity, Baku, Azerbaijan.</i>
<b>10:20-10:30</b>	<b>Farida Safarova, Aynur Ibrahimova.</b> Impact of the war on Azerbaijan flora. <i>Nakhchivan State University, Nakhchivan, Azerbaijan.</i>
<b>10:30-10:40</b>	<b>A.V. Heyderova, L.N. Farajova, T.A. Hajiev, N.A Mirgasimova.</b> Biodiversity and its conservation on our planet. <i>Institute of Ecology of Azerbaijan National Aerospace Agency.</i>
<b>10:40-10:50</b>	<b>A.M. Mehdiyeva, Z.A. Mahmudova, D.F. Rustamova</b> Integrated identification and efficient use of biodiversity in mountainous regions. <i>Azerbaijan State Oil and Industry University, Baku, Azerbaijan.</i>
<b>10:50-11:00</b>	<b>E.A. Akhmedov.</b> Estimation of radioactivity Dash Salahli bentonite clay on depth and peculiarities of processes taking place in migration of radionuclides. <i>National Aviation Academy, Baku, Azerbaijan.</i>
<b>11:00-11:20</b>	<b>Durdana Rustamova, A.M. Mehdiyeva, Z.A Mahmudova.</b> Study of characteristics of multi-service networks and communication systems using the technology of constructing distributed communication networks in mountain areas. <i>Western Caspian University, Baku, Azerbaijan.</i>

## SESSION IV -A

*Mountain Tourism and Economy*

**The Session will be held in:** 4th Floor, Room: 408

**Directions for discussion:**

- ✓ *Economic activity and mountain protection: can a balance be found?*
- ✓ *Mountains and ecotourism: how do various stakeholders in mountain regions contribute to managing positive and negative impacts?*
- ✓ *New perspectives and proposals*

Moderators: **Afag Hasanova, Rasim Abbasov**

<b>10:00-10:10</b>	<b>Elshan Orujov, Nahid Almasov.</b> Future perspectives on the development of mountain tourism in Azerbaijan. <i>Azerbaijan University, Baku, Azerbaijan.</i>
<b>10:10-10:20</b>	<b>Ravan Idrisli, Mammadali Mammadrizayev</b> Sustainable marketing: Strategies for reducing pollution through EcoFriendly tourism products. <i>Azerbaijan University, Baku, Azerbaijan.</i>
<b>10:20-10:30</b>	<b>Samira Abasova.</b> Directions for improving the mechanism of innovative development of production in the agrarian field. <i>Azerbaijan State University of Economics (UNEC).</i>
<b>10:30-10:40</b>	<b>Amirkhan Pashayev.</b> Economic and environmental aspects of the transportation sector. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>10:40-10:50</b>	<b>Leyla Mirhashimli, Afag Hasanova.</b> The major integration features of the banking system. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>10:50-11:00</b>	<b>Gulnara Mammadova, Rahima Nuraliyeva, Hokuma Dunyamaliyeva, Sevil Musayeva.</b> Analysis of industrial enterprises' impact on atmospheric emissions. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>11:00-11:10</b>	<b>Elshan Orujov.</b> Assessment of the World Trade Organization's concerns in addressing global environmental challenges. <i>UNEC\ WCU, Baku, Azerbaijan.</i>
<b>11:10-11:20</b>	<b>Rasim Abbasov.</b> Pakistan-Azerbaijan economic relations. <i>Western Caspian University, Baku, Azerbaijan.</i>
<b>11:20-11:30</b>	<b>Khalil Guluzade.</b> The demand function in the labor markets of the manufacturing industry and the agricultural sector. <i>Doctoral student of Odlar Yurdu University, Baku, Azerbaijan.</i>
<b>11:30-11:40</b>	<b>Murad Rizvangaya.</b> Lachin's unique geography: shaping Azerbaijan's tourism landscape. <i>Western Caspian University, Baku, Azerbaijan.</i>



**Main Building of Western Caspian University,  
School of Design, School of Political and Social Sciences**

31, Istiglaliyyat Street,  
Baku, Azerbaijan



**School of Economics and Business,  
School of Psychology**

17A, Ahmad Rajabli Street, III Parallel,  
Baku, Azerbaijan



**School of Advanced Technologies  
and Natural Sciences**

21, Ahmad Rajabli Street, III Parallel,  
Baku, Azerbaijan



**School of Philology and  
Translation**

Nazim Hajiyev, Narimanov,  
Baku, Azerbaijan



# Western Caspian University Student Home



## Western Caspian University Student Home

Kicik Qala street, 2nd lane, 8  
and 1st Qasr Street, 57



# Baku Museum of Modern Art

The museum was built at the initiative of the First Lady of Azerbaijan, Mehriban Aliyeva and opened on 20 March 2009. It was funded by the Heydar Aliyev Foundation, of which the First Lady is head. The foundation has also created projects with the Louvre Museum and the Palace of Versailles. The museum is intended as a focus for an "eco-cultural zone" conceived of by Thomas Krens, former director of the Guggenheim Foundation, that will also include a white-sand beach, a Frank Gehry skyscraper, and a walkway that projects out over the Caspian Sea.

The museum does not have fixed subject areas. The architectural concept of the museum avoids halls with corners and has open passages and walls that meet at different angles, creating a multidimensional perspective of exhibits. Conspicuous metallic structures and the use of the color white unite all parts into a single "moving abstract structure." The chief designer and architect of the museum (2008), collection and exposition (2008-2023) by the artist Altay Sadigzade.



## Baku Museum of Modern Art Location

5 Yusuph Safarov, AZ1025,  
Khatai, Baku, Azerbaijan



# Icheri Sheher | Baku's Old City

## The Palace of the Shirvanshahs History



Construction of the palace complex began right after Ibrahim I of Shirvan transformed Baku into the country's capital in 1411. The two-story palace typifies the Shirvan-Absheron style of architecture in its 50 different dimensions and construction outlines that are connected by three narrow winding staircases.

This can be seen in the lancet portal leading directly from the courtyard to the octahedral, cupola-covered lodging on the second floor, where another octagonal vestibule at the back connects to other parts of the lodging.

The complex was built over a long period of time. The main building of the palace started to be built in 1411 and finished around the 1420s. This is a two-story building located at the highest point of the complex. The Divanhane is a pavilion that consists of an octahedral hall, and it is situated in a small courtyard.

### Shirvanshahs Palace ruins

The Divanhane was built in the 1450s. The Shah's mosque was erected in 1441 while Seyid Yahya Bakuvi's mausoleum was in the 1450s. In the late 16th century the Eastern portal was built only.

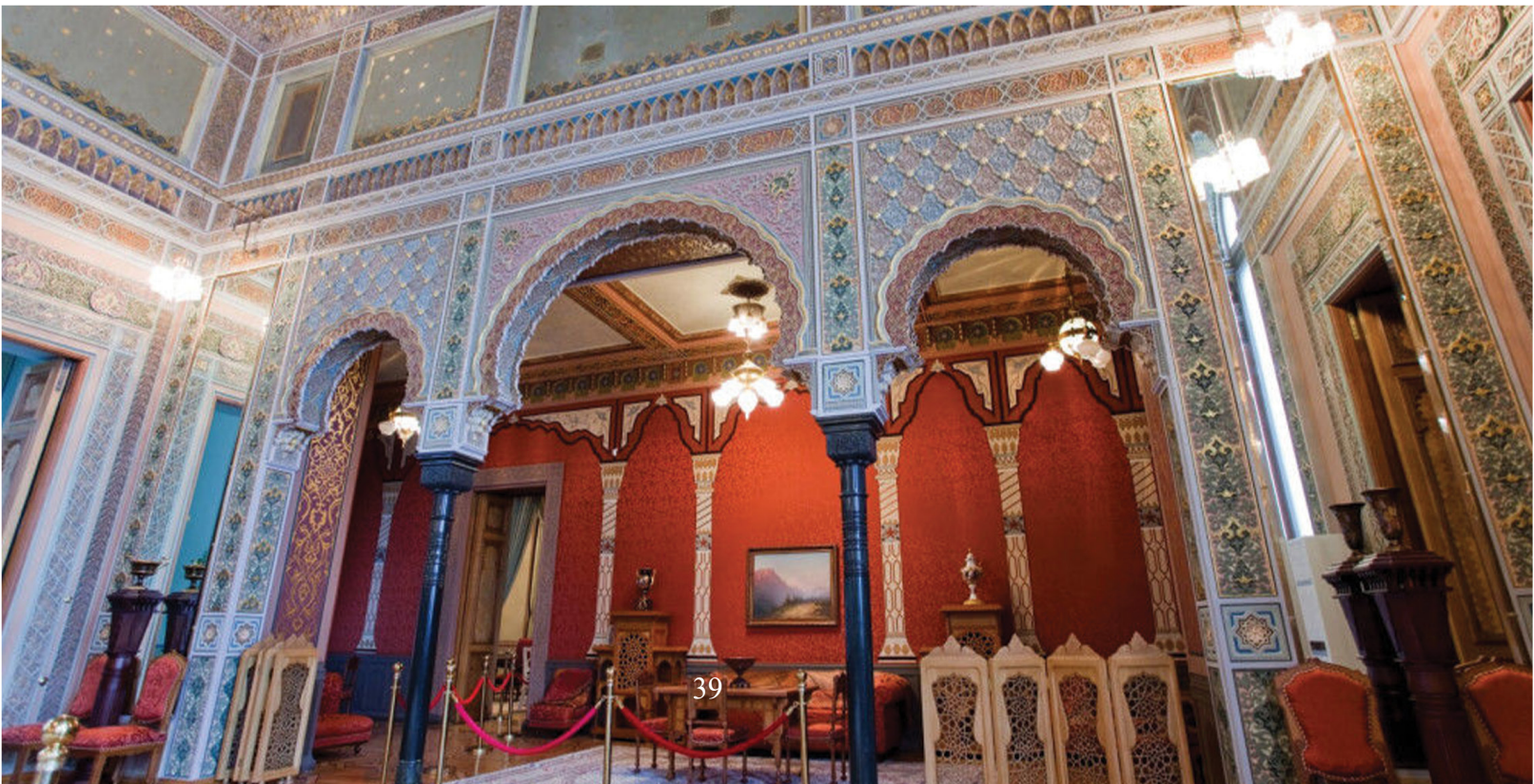
Shirvanshahs Palace was partly destroyed in the 18th century by the Russians but reconstruction work was carried out from then on to restore the complex to its original state. The treasures of the Shirvanshahs palace were transferred to Topkapı Palace in Istanbul.

# National Museum of History of Azerbaijan

The largest museum in Baku, the National Museum of History of Azerbaijan lies inside an Italian Renaissance-style mansion and boasts more than 300,000 artefacts. The museum's exhibits span ancient to modern history and ethnography, with one of its most notable exhibitions being its extensive numismatic collection, which includes

## National Museum of History of Azerbaijan Location

4 H. Z. Taghiyev street, Baku, the Republic of Azerbaijan, AZ1005





### **Azerbaijan National Carpet Museum Location**

Mikayil Useynov, 28 The Seaside Boulevard, Baku 1001 Azerbaijan

## **Azerbaijan National Carpet Museum**

Azerbaijan National Carpet Museum is a museum located in Baku that displays Azerbaijani carpets and rugs of various weaving techniques and materials from various periods. It has the largest collection of Azerbaijani carpets in the world.



Baku's UNESCO-listed fortified old city was the Medieval capital under the Shirvanshahs. Today, it's the capital's historic heart and home to the Maiden Tower, traditional carpet weavers and a plethora of bars and restaurants. Visiting traders in eras past often referred to Icheri Sheher as the Acropolis of Baku.



### **Shirvanshahs' Palace Location**

Shirvanshahs' Palace Address:  
Gasr, lane 1, 76, Sabail, Baku, Postal  
Code: AZ1000. Get help with directions  
using the map provided below:



## Baku Boulevard

The Seaside Boulevard is one of the most distinctive features of the Azerbaijani capital Baku, which boasts a wealth of sites of historic and architectural interest. With its unique array of plants and trees, the Seaside Boulevard is a firm favourite with both local and foreign visitors. "Boulevard" was originally a French word, meaning a wide street or promenade, sometimes running along the seafront. The first boulevards were created in the 17th and 18th centuries in western Europe.

### **Baku Boulevard Location**

Neftchilar avenue 2A,  
AZ 1000 Baku city,





# Flame Towers

Flame Towers is a group of three skyscrapers in Baku, Azerbaijan. The main contractor, Dia Holdings, is owned by actors that are linked to Azerbaijan's ruling Aliyev family's network of offshore companies.

The height of the tallest tower is 182 m (597 ft). The three flame-shaped towers are intended to symbolize the elements of fire, and are a reference to Azerbaijan's nickname "The Land of Fire", historically rooted in a region where natural gas flares emit from the ground and Zoroastrian worshippers considered flames to be a symbol of the divine (notably at the Ateshgah of Baku and Yanar Dag).

The three buildings (South, East and West) consist of 130 residential apartments over 33 floors, a Fairmont hotel tower that consists of 250 rooms and 61 serviced apartments, and office blocks that provides a net 33,114 square meters of office space.

## Flame Towers Location

Mehdi Huseyn,  
Baku AZ1006



# National Art Museum of Azerbaijan

Azerbaijan National Museum of Art is a precious cultural treasure that has preserved the national and universal tangible and intangible cultural heritage from ancient times by now and passed down these unique art pearls from generation to generation.

The museum was previously created as an Art Department under the Azerbaijan State Museum in 1924, and by the decision of the Council of People's Commissars of Azerbaijan SSR in 1936, on the basis of that department it was on the basis of that department, an independent museum-The Azerbaijan State Art Museum was decided to establish

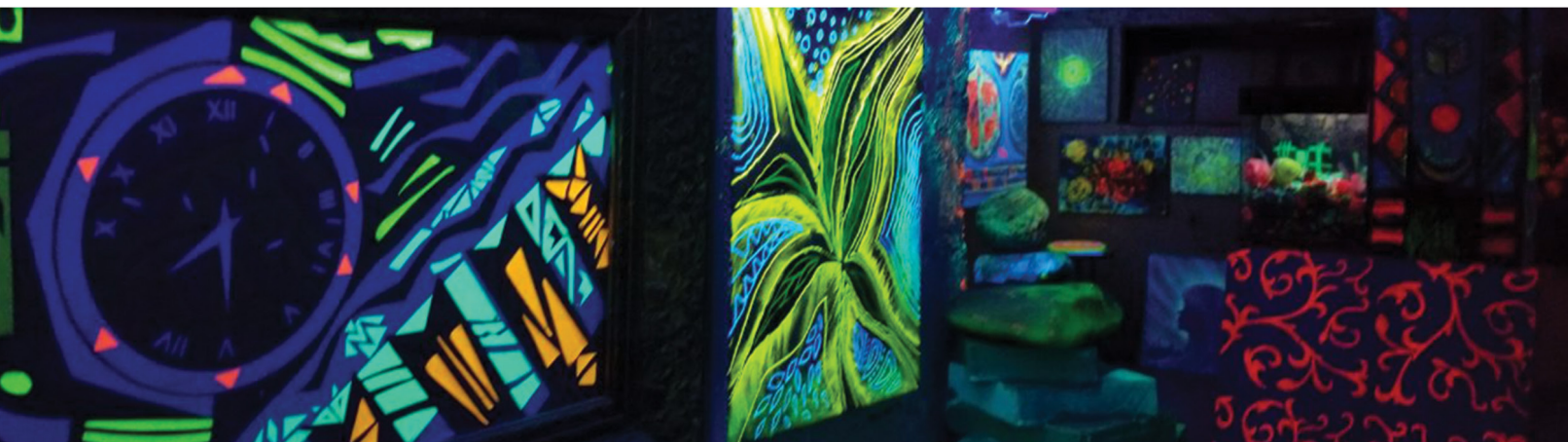
## National Art Museum of Azerbaijan Location

Niyazi street, 9/11  
Baku, AZ 1001



# Farhouse Neon ART Museum

Representative of neon art, painter Farid Alakbarov opened the Farhouse neon house-museum. The unique museum located in Novkhani settlement consists of two floors. The landlord and the creator of all this lives there. In addition, there is an industrial-style area just below the water level, which serves as a small exhibition hall. In addition to the works of Farid Alakbarov, the works of his colleagues are also displayed here. This is one of the specific features of Farhouse – it combines a kind of art holding. Different types of fine arts – from sculpture to metal painting, from painting to stained glass, the works of a number of authors are combined with these neon patterns. The neon paints used by Farid Alakbarov look weak in daylight or in electric light, or are not visible at all. But it is enough to create darkness and turn on a special ultra-violet light, so that a person is immersed in a parallel – mystical and extremely beautiful reality. Note that neon art is the art of painting based on the effect of reflection of neon paint under ultraviolet light. With the help of the illusion of light and 3D effect, neon paintings come to life.



## Farhouse Neon ART Museum Location

Baku, Goradil-Fatmai yol,  
Novxani





## Ateshgah of Baku

Situated on the Absheron Peninsula, the Fire Temple (Ateshgah) of Baku was a place of sacrifice founded above a natural gas vent. Fire rituals at the peninsula's numerous natural gas vents date back to at least the 10th century, although the current temple structure was built during the 17th and 18th centuries. The structure is similar to the caravanserais (travellers'inns) of the region with pentagonal walls surrounding a courtyard. However, in the middle of this courtyard sits an altar, the centerpiece of the temple complex where fire rituals were observed. The altar is situated right a natural gas vent, igniting a large flame in the middle and four smaller flames on the rooftop corners of the pavilion. Surrounding the temple altar are a number of small cells which held the ascetic worshippers and pilgrims. Debate continues as to whether this temple was founded as a Zoroastrian or a Hindu place of worship, since the structure incorporates architectural elements from both faiths, without wholly adhering to either. The most established theory places the temple in the Zoroastrian tradition, but that it has evolved into a predominantly Hindu place of worship over time. In the late 19th century, the place was abandoned, most likely as a result of the dwindling Indian population in Azerbaijan. Heavy exploitation of the natural gas reserves on the peninsula resulted in the exhaustion of the flame in 1969. The flames seen today are fed by Baku's main gas supply. In 1975, the complex was turned into a museum, and in 1998, it was nominated as an UNESCO World Heritage Site.



### Ateshgah of Baku Location

Atamoghlan Rzayev,  
Baku, Surakhani, AZ1049



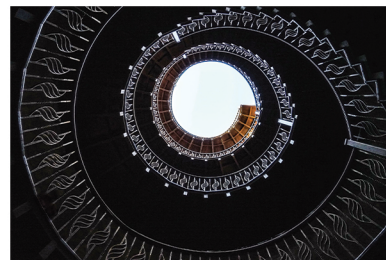
# Gala State Historical Ethnographic Reserve

Gala Archaeological-Ethnographic Museum Complex, one of the rare open-air museums in the world, preserves the way of life, mounds, tombs, dwellings, remains of an ancient castle, 5 mosques, 3 baths and others living in Gala village from the 3rd millennium BC to the present day. Pottery and bakery shops are still operating today as in the Middle Ages. The castle monument complex includes Bronze Age rock and underground settlements, rock paintings, ancient foundations, primitive wall remains, two underground roads to the Caspian Sea and Baku in the X-XIV and X-XV centuries, a monument of the XVIII century tandir, Gavaldash, ceramics, household and decorative items, weapons and coins, canned remains of an ancient residential complex, etc. are displayed. In 2011, Gala Information Center, Ethno-Ecological Center, Antique Museum were established in the territory of Gala Museum Complex and a caravanserairestaurant was launched.



## Gala State Historical Ethnographic Reserve Location

Baku, Gala village,  
Sulh 83



# NOTES

