

ORGANIZING COMMITTEE

CHIEF CHAIRMAN

Diñer Ayaz, Dean of The Science Faculty, EGE UNIVERSITY, Prof.Dr., Türkiye

CONFERENCE CHAIRMAN

Kerim Çiçek, Head of Biology Department, EGE UNIVERSITY, Prof.Dr., Türkiye

SECRETARIAT

Ayhan Şenkardeşler, EGE UNIVERSITY, Prof.Dr., Türkiye

Esra Ersoy Ömerođlu, Vice Head of Biology Department, EGE UNIVERSITY, Prof.Dr., Türkiye

Mammadova Nazakat, BAKU STATE UNIVERSITY, Dr., Azerbaijan

MEMBERS

Türkiye

Ayhan Şenkardeşler, EGE UNIVERSITY, Prof.Dr., Türkiye

Barış Uzilday, Vice Head of Biology Department, EGE UNIVERSITY, Assoc. Prof., Türkiye

Diñer Ayaz, Dean of The Science Faculty, EGE UNIVERSITY, Prof.Dr., Türkiye

Esra Ersoy Ömerođlu, Vice Head of Biology Department, EGE UNIVERSITY, Prof.Dr., Türkiye

Hatice Demiray, Head of the Botany Section, EGE UNIVERSITY, Prof.Dr., Türkiye

Kerim Çiçek, Head of Biology Department, EGE UNIVERSITY, Prof.Dr., Türkiye

Melike Bor, Head of the General Biology Section, EGE UNIVERSITY, Prof.Dr., Türkiye

Mustafa Ateş, Head of the Basic and Industrial Microbiology Section, EGE UNIVERSITY, Prof.Dr., Türkiye

Remziye Deveci, Head of the Molecular Biology Section, EGE UNIVERSITY, Prof.Dr., Türkiye

Ali Özcan, EGE UNIVERSITY, Dr., Türkiye

Asiye Esra Eren Erođlu, EGE UNIVERSITY, Res. Assist., Türkiye

Aslı Şahiner, EGE UNIVERSITY, Asst. Prof., Türkiye

Ayşegül Yoltaş, EGE UNIVERSITY, Dr., Türkiye

Dursun Demiröz, EGE UNIVERSITY, Computing Expert, Türkiye

Ece Halat, EGE UNIVERSITY, Türkiye

Ecem Şener Uslupehlivan, EGE UNIVERSITY, Dr., Türkiye

Esra Öztürk Yiğit, EGE UNIVERSITY, Dr., Türkiye

Melih Dağdeviren, EGE UNIVERSITY, Dr., Türkiye

Melodi Yenmiş, EGE UNIVERSITY, Dr., Türkiye

Sennur Çalışkan, EGE UNIVERSITY, Dr., Türkiye

Seyit Metin Köroğlu, EGE UNIVERSITY, Res. Assist., Türkiye

Side Selin Su Yirmibeşoğlu, EGE UNIVERSITY, Res. Assist., Türkiye

Sultan Kübra Toker, EGE UNIVERSITY, Res. Assist., Türkiye

Ulaş Uğuz, EGE UNIVERSITY, Dr., Türkiye

Umut Şahar, EGE UNIVERSITY, Dr., Türkiye

Volkan Eroğlu, EGE UNIVERSITY, Dr., Türkiye

Zekiye Işın Yazıcı Kaya, EGE UNIVERSITY, Dr., Türkiye

Azerbaijan

Afat Mammadova, Dean of the Faculty of Biology, BAKU STATE UNIVERSITY, Prof.Dr. , Azerbaijan

Irada Huseynova, General Director of Molecular Biology and Biotechnology Institute, BAKU STATE UNIVERSITY, Prof.Dr. , Azerbaijan

Khalid Bayramli, Advisor to the Rector on Strategic Development and Communications, Dr, BAKU STATE UNIVERSITY, Azerbaijan

Rovshan Khalilov, Head of the Department of Biophysics and Biochemistry, BAKU STATE UNIVERSITY, Prof.Dr., Azerbaijan

Uzbekistan

Akbaraliev Baxtiyorjon Bakirovich, Rector for Academic Affairs of ANDIJAN STATE UNIVERSITY, Uzbekistan

Allamuratova Ziyuar Bauaddinovna, Head of the Department of Fisheries at the KARAKALPAK, Institute of Agriculture and Agrotechnologies, Uzbekistan

Ibroximova Gulbaxor, Assoc. Prof.Dr., Department of Botany and Ecology, ANDIJAN STATE UNIVERSITY, Andijan, Uzbekistan

Mambetullaeva Svetlana, Director of KARAKALPAK RESEARCH, Institute of Natural Sciences, Dr., Uzbekistan

Naralieva Nasibakhon Mamanovna, Head of the Department of Botany and Ecology, Prof.Dr.,
ANDIJAN STATE UNIVERSITY, Uzbekistan

Rustamjon Mullajonov Vokhobjonovich, Vice Rector for Academic Affairs of ANDIJAN
STATE UNIVERSITY, Uzbekistan

Tuxtaboev Nozimjon Xashimjanovich, Dean of the Faculty Natural Sciences, Prof.Dr.,
ANDIJAN STATE UNIVERSITY, Uzbekistan

Utemuratova Gulshirin, Dr. Senior Researcher, KARAKALPAK RESEARCH, Institute of
Natural Sciences, Uzbekistan

Xusanova Anora, Head of the Master's Department of the NAMANGAN INSTITUTE OF
ENGINEERING TECHNOLOGY, Uzbekistan

SCIENTIFIC COMMITTEE

Türkiye

- Ademi Fahri Pirhan**, EGE UNIVERSITY, Assoc. Prof.Dr., Türkiye
Ahmet Mermer, EGE UNIVERSITY, Assoc. Prof.Dr., Türkiye
Ali Koçyiğit, EGE UNIVERSITY, Assoc. Prof.Dr., Türkiye
Aşkıım Hediye Çetinel, EGE UNIVERSITY, Prof.Dr., Türkiye
Ataç Uzel, EGE UNIVERSITY, Prof.Dr., Türkiye
Aykut Güvensen, EGE UNIVERSITY, Prof.Dr., Türkiye
Aylin Eşiz-Dereboylu, EGE UNIVERSITY, Assoc. Prof.Dr., Türkiye
Bekir Keskin, EGE UNIVERSITY, Prof.Dr., Türkiye
Cemal Ün, EGE UNIVERSITY, Prof.Dr., Türkiye
Çinel Köksal Karayıldırım, EGE UNIVERSITY, Assoc. Prof.Dr., Türkiye
Esin Oluk, EGE UNIVERSITY, Assoc. Prof.Dr., Türkiye
Esra Akat Çömden, EGE UNIVERSITY, Assoc. Prof.Dr., Türkiye
Evren Koban-Baştanlar, EGE UNIVERSITY, Assoc. Prof.Dr., Türkiye
Ferah Sayım, EGE UNIVERSITY, Prof.Dr., Türkiye
Gamze Turgay-İzzetoğlu, EGE UNIVERSITY, Assoc. Prof.Dr., Türkiye
Güven Özdemir, EGE UNIVERSITY, Prof.Dr., Türkiye
Hasan Yıldırım, EGE UNIVERSITY, Prof.Dr., Türkiye
Hasan Kalyoncu, EGE UNIVERSITY, Prof.Dr., Türkiye
Hüseyin Can, EGE UNIVERSITY, Assoc. Prof.Dr., Türkiye
Hüsniye Tansel Yalçın, EGE UNIVERSITY, Prof.Dr., Türkiye
İhsan Yaşa, EGE UNIVERSITY, Prof.Dr., Türkiye
İnci Tüney Kızılkaya, EGE UNIVERSITY, Assoc. Prof.Dr., Türkiye
Lale Aktaş, EGE UNIVERSITY, Prof.Dr., Türkiye
Melike Bor, EGE UNIVERSITY, Prof.Dr., Türkiye
Nesrin Ebru Göncü, EGE UNIVERSITY, Prof.Dr., Türkiye
Nurşen Alpagut-Keskin, EGE UNIVERSITY, Prof.Dr., Türkiye
Ortaç Onmuş, EGE UNIVERSITY, Assoc. Prof.Dr., Türkiye
Özlem Abacı-Günyar, EGE UNIVERSITY, Prof.Dr., Türkiye

Özlem Çakıcı, EGE UNIVERSITY, Prof.Dr., Türkiye

Rengin Özgür-Uzilday, EGE UNIVERSITY, Assoc. Prof.Dr., Türkiye

Savaş İzzetoğlu, EGE UNIVERSITY, Assoc. Prof.Dr. Türkiye

Serdar Gökhan Şenol, EGE UNIVERSITY, Prof.Dr., Türkiye

Serdar Mayda, EGE UNIVERSITY, Assoc. Prof.Dr., Türkiye

Uğur Kaya, EGE UNIVERSITY, Prof.Dr., Türkiye

Ülkü Karabay-Yavaşoğlu, EGE UNIVERSITY, Prof.Dr., Türkiye

Yusuf Bayrakçı, EGE UNIVERSITY, Assoc. Prof.Dr., Türkiye

Azerbaijan

Elshad Gurbanov, Head of the Department of Botany and Plant Physiology, BAKU STATE UNIVERSITY, Prof.Dr.

Kamila Aliyeva, Head of the Department of Genetics, BAKU STATE UNIVERSITY, Prof.Dr.

Mammadova Nazakat, SECRETARY

Ziyaddin Mammadov, Head of the Department of Molecular Biology and Biotechnology, BAKU STATE UNIVERSITY, Prof.Dr.

Bulgaria

Milka Mileva, Head of the Laboratory of Biological Response Modifiers and Pathogenesis of Viral Infections, THE STEPHAN ANGELOFF INSTITUTE OF MICROBIOLOGY, Prof.Dr.

Kyrgyzstan

Yuldasheva Olliakhon Mamasydykovna, OSH STATE UNIVERSITY, Assoc. Prof.Dr.

Uzbekistan

Allamuratova Ziyuar Bauaddinovna, Head of the Department of Fisheries at the KARAKALPAK, Institute of Agriculture and Agrotechnologies, Uzbekistan

Ibroximova Gulbaxor, Assoc. Prof.Dr., Department of Botany and Ecology, ANDIJAN STATE UNIVERSITY, Andijan, Uzbekistan

Mambetullaeva Svetlana, Director of KARAKALPAK RESEARCH, Institute of Natural Sciences, Dr., Uzbekistan

Naraliev Nasibakhon Mamanovna, Head of the Department of Botany and Ecology, Prof.Dr., ANDIJAN STATE UNIVERSITY, Uzbekistan

ICEB2024, 2-4 September 2024, Izmir, Türkiye

Rustamjon Mullajonov Vokhobjonovich, Vice Rector for Academic Affairs of ANDIJAN STATE UNIVERSITY, Uzbekistan

Tuxtaboev Nozimjon Xashimjanovich, Dean of the Faculty Natural Sciences, Prof.Dr., ANDIJAN STATE UNIVERSITY, Uzbekistan

Utemuratova Gulshirin, Dr. Senior Researcher, KARAKALPAK RESEARCH INSTITUTE, Institute of Natural Sciences, Uzbekistan



ICEB2024 was supported by the Youth Members of Biology Society “Biyoloji Topluluğu”.

TABLE OF CONTENTS

IN-PERSON ORAL PRESENTATION

ASSESSMENT OF MOLECULAR MARKERS FOR ANALYSIS OF GENETIC RELATIONSHIP BETWEEN APPLE TREE VARIETIES COMMON IN MOUNTAINOUS AREAS OF AZERBAIJAN.....	2
MOLECULAR GENETIC CHARACTERIZATION OF THE ICE1 GENE OF KOROLKOV'S ARONNIK (ARUM KOROLKOWII REGEL).....	7
MORPHOLOGICAL AND MOLECULAR GENETIC IDENTIFICATION OF TRICHODERMA AFROHARZIANUM SPECIES IN UZBEKISTAN	16
ABOUT THE VERTICAL DISTRIBUTION OF MANTISES IN AZERBAIJAN.....	25
HALYOMORPHA HALYS STAL, A NEW INVASIVE PEST THAT WILL AFFECT BIODIVERSITY IN AZERBAIJAN. (HEMIPTERA, PENTATOMIDAE).....	32
INFLUENCE OF ANTHROPOGENIC IMPACT ON HOMEOSTASIS OF SOIL BIOTA.....	37
SCARABAEIDAE SPREADED IN SUGAR BEET AGROCENOSIS.....	44
THE INFLUENCE OF ANTHROPOGENIC FACTORS ON CHANGES IN THE NUMBER OF DRAGONFLY SPECIES (INSECTA, ODONATA) IN THE CONDITIONS OF THE FERGANA VALLEY.....	50
AGROTECHNICAL CHARACTERISTICS, UTILIZATION AND PROTECTION OF SOME WILD VEGETABLE PLANTS	54
ASSESSMENT OF CENOPOPULATIONS OF MINUARTIA INTERMEDIA SPECIES IN THE NORTHEASTERN PART OF THE LESSER CAUCASUS	65
CONSERVATION STATUS OF THE ROSA CANINA L. IN UZBEKISTAN	68
DISTRIBUTION OF RARE SPECIES OF POLYMORPHIC FAMILIES IN KUHITANG BOTANICAL-GEOGRAPHIC REGION	73
EFFECTS OF COMBINED STRESS FACTORS ON THE DEVELOPMENT OF MAIZE SEEDLINGS AND THE ACTIVITY OF NADP-ISDH ENZYME	78
FERGANA VALLEY CHANGES OF SOIL ALGOCENOSES DEPENDING ON THE ECOTOPE.....	81
INTRODUCTION AND CULTIVATION OF USEFUL PLANTS INDUSTRIAL IMPORTANCE	85
PLANTS UNDER CLIMATE CHANGE.....	87
SUDDEN DEATH SYNDROME OF SOYBEAN (GLYCINE MAX (L.)) PLANTS	92
SECONDARY LICHEN SUBSTANCES NEW TO TURKIYE.....	102
CHANGES IN BIOLUMINESCENCE OF MARINE BIOLUMINESCENT BACTERIA IN RESPONSE TO FUNGICIDE CONCENTRATIONS	106
DIVERSITY OF THE GENUS OF UROMYCES (LINK) UNGER IN UZBEKISTAN	112