



# **5<sup>th</sup> INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE**

## **SCIENTIFIC PROGRAM**

**All times stated in this program are in Pitești, Romania time (GMT+3).  
Virtual participants should convert the times to their local time zones.**

**September 10-12, 2024, Pitești, ROMANIA**



## PHYSICAL ATTENDANCE (DAY 1, September 10<sup>th</sup>)

**REGISTRATION: 08:30 - 09:30**

### OPENING SESSION (**Hall-A**)

09:30-10:00	Opening Ceremony and Speeches
10:00-10:45	<b><u>Keynote Speech I:</u></b> Climate change, net zero, technology and ethics <i>Geoffrey John LEVERMORE</i>
10:45-11:30	<b><u>Keynote Speech II:</u></b> Getting life science moving to engineering; The progress of optimization + automation + IoT <i>Kenan PEKER</i>
11:30-12:15	<b><u>Keynote Speech III:</u></b> Autophagy and stress in plants <i>Alessio PAPINI</i>

Opening Session will be broadcast through Zoom (**Virtual Hall-1**) and will be available to online participants' attendance

19:30	Gala Dinner
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## PHYSICAL ATTENDANCE (DAY 1, September 10<sup>th</sup>), ORAL PRESENTATIONS

	<b>Hall-A</b>	<b>Hall-B</b>
	<b>Session Chair:</b> Prof. Dr. Adrian CLENCI	<b>Session Chair:</b> Prof. Dr. Mahmut ELP
<b>14:30-14:40</b>	<b>Gains to soil from the use of legume forage crops as green fertilizer</b> <i>Hüseyin SARI</i>	<b>Turkish salmon</b> <i>Adem Yavuz SÖNMEZ, Yiğit TAŞTAN, Gökhan ARSLAN</i>
<b>14:40-14:50</b>	<b>An overview on the hydrotreated vegetable oil: Production, specifications, performance in use</b> <i>Maria OPREA, Rodica NICULESCU, Adrian CLENCI, Mihaela NÄSTASE</i>	<b>The pearl of Munzur, "Red Spotted Trout"</b> <i>Sinan ÖZCAN, Ebru İfakat ÖZCAN</i>
<b>14:50-15:00</b>	<b>Investigation of the effectiveness of some essential oils alone and synergic combinations against Beta Hemolytic Streptococcus</b> <i>Dilek YENİÇERİ, Binnur MERİÇLİ YAPICI</i>	<b>Exotic fish species of Kastamonu province</b> <i>Mahmut ELP, Ertuğrul CAVDAR</i>
<b>15:00-15:10</b>	<b>Effect of reduced tillage system on sunflower yield</b> <i>Taha KOÇ, Hüseyin SARI</i>	<b>Assessing occupational health and safety risks in offshore aquaculture systems in Türkiye</b> <i>Mustafa KARGA</i>
<b>15:10-15:20</b>	<b>Discussion</b>	<b>Suitability for aquaculture in Uzunçayır Dam Lake (Tunceli, Türkiye)</b> <i>Sinan ÖZCAN, Ebru İfakat ÖZCAN</i>
<b>15:20-15:30</b>		<b>Abundance of marine microorganisms on the farmed eucheumatoid seaweeds (<i>Kappaphycus</i> spp.)</b> <i>Albaris B. TAHILUDDIN, Ertugrul TERZI</i>
<b>15:30-15:45</b>		<b>Discussion</b>



## PHYSICAL ATTENDANCE (DAY 2, September 11<sup>th</sup>), ORAL PRESENTATIONS

	<b>Hall-A</b>	<b>Hall-B</b>
	<b>Session Chair:</b> Assoc. Prof. Dr. Hacı İsmail KESİK	<b>Session Chair:</b> Prof. Dr. Mustafa Nuri DOLMAZ
<b>09:30-09:40</b>	<b>Effects of water-based thermal insulation paint applied to Scots pine (<i>Pinus sylvestris</i> L.) wood wall panels on the thermal conductivity coefficient</b> <i>Hacı İsmail KESİK, Duygu ÖZTÜRK</i>	<b>Magnetic-tectonic investigation between Nevşehir-Kayseri-Niğde, central Türkiye</b> <i>Mustafa Nuri DOLMAZ, Ezgi ERBEK KIRAN</i>
<b>09:40-09:50</b>	<b>The effects of some stand characteristics on stand-level biomass allocation in Scots pine stands</b> <i>Oytun Emre SAKICI, Döndü DEMİREL</i>	<b>Magnetic-depth estimation and geophysical investigation of Cappadocia volcanic province, central Türkiye</b> <i>Mustafa Nuri DOLMAZ, Ezgi ERBEK KIRAN</i>
<b>09:50-10:00</b>	<b>Climate resilience modelling at OMU green university Kurupelit Campus</b> <i>İlknur ZEREN ÇETİN</i>	<b>Evaluation of climate parameters and biocomfort analysis in Mersin province</b> <i>Mehmet ÇETİN</i>
<b>10:00-10:10</b>	<b>Effects of cellulosic lacquer paint applied to furniture edge bandings on adhesion and fire resistance</b> <i>Hacı İsmail KESİK, Ayşe Sena KUTLUDENİZ</i>	<b>Identification of biocomfortable areas using the new summer index in Sinop</b> <i>Mehmet ÇETİN</i>
<b>10:10-10:20</b>	<b>Determining green spaces as a green university strategy based on their impact on air quality: OMU Kurupelit Campus</b> <i>İlknur ZEREN ÇETİN</i>	<b>Investigation of soil salinity and properties in the Meriç delta with GIS techniques</b> <i>Gökben TOPAL, Hüseyin SARI</i>
<b>10:20-10:45</b>	<b>Discussion</b>	<b>Discussion</b>
<b>10:45-11:00</b>	<b>Coffee Break</b>	



## PHYSICAL ATTENDANCE (DAY 2, September 11<sup>th</sup>), ORAL PRESENTATIONS

	<b>Hall-A</b>	<b>Hall-B</b>
	<b>Session Chair:</b> Prof. Dr. Monica Marilena ȚÂNȚU	<b>Session Chair:</b> Assoc. Prof. Dr. Bojan SIMOVSKI
<b>11:00-11:10</b>	<b>Reconstruction methods in lip cancer – Case report</b> <i>Ana Cătălina ȚÂNȚU, Constantin CIUCUREL, Elena Ioana ICONARU, George Mihail MAN, Daniel Corneliu DIACONESCU, Alina PĂUNESCU, Monica Marilena ȚÂNTU</i>	<b>Impact of climatic parameters on settlement preferences</b> <i>Mehmet ÇETİN</i>
<b>11:10-11:20</b>	<b>Main EU Policy instruments to improve the sustainability of agri-food systems</b> <i>Gheorghe Cristian POPESCU</i>	<b>Introduced and invasive alien woody species in North Macedonia (GRIIS v1.3)</b> <i>Bojan SIMOVSKI</i>
<b>11:20-11:30</b>	<b>Employee acceptance and implementation of digital business platforms: A cross-country study</b> <i>Isidora MILOŠEVIĆ, Anđelka STOJANOVIĆ</i>	<b>Development of introduced European selection grape clones in the ATU Gagauzia, Republic of Moldova</b> <i>Serghei CARA</i>
<b>11:30-11:40</b>	<b>Mapping the second-level digital divide: A study of internet skills and usage among older adults in European countries</b> <i>Anđelka STOJANOVIĆ, Sanela ARSIĆ, Isidora MILOŠEVIĆ</i>	<b>Eigenfunction expansion of Sturm-Liouville operator with discontinuous coefficient under transmission conditions</b> <i>Ozge AKCAY</i>
<b>11:40-11:50</b>	<b>Discussion</b>	<b>Effect of Peat-Based Feed Additive on Performance of Laying Hens</b> <i>Larisa CAISIN, Alla CARA</i>
<b>11:50-12:00</b>		<b>Evaluating the impact of sustainable green campus initiatives on air quality at university campuses</b> <i>İlknur ZEREN ÇETİN</i>
<b>12:00-12:15</b>		<b>Discussion</b>



## PHYSICAL ATTENDANCE (DAY 2, September 11<sup>th</sup>), ORAL PRESENTATIONS

	<b>Hall-A</b>	<b>Hall-B</b>
	<b>Session Chair:</b> Prof. Dr. Haluk KORALAY	<b>Session Chair:</b> Assoc. Prof. Dr. Harun ARSLAN
<b>14:00-14:10</b>	<b>Gd-doping induced structural and morphological modifications in hydrothermally grown ZnO nanorods</b> <i>Turgay SEYDİOĞLU, Sedat KURNAZ, Özgür ÖZTÜRK, Faruk ERKEN, Ahmet Tolga TAŞÇI</i>	<b>Feed alternatives for ornamental fish and risks</b> <i>Harun ARSLAN</i>
<b>14:10-14:20</b>	<b>Tuning the properties of hydrothermally grown ZnO nanorods through nickel doping: A study of structural, morphological, and optical modifications</b> <i>Özgür ÖZTÜRK, Turgay SEYDİOĞLU, Sedat KURNAZ, Faruk ERKEN, Ahmet Tolga TAŞÇI</i>	<b>Recent progress in CRISPR-Cas9 in aquatic model organisms</b> <i>Mehtap BAYIR, Serpil TURHAN, Burcu Naz UZUN, Abdulkadir BAYIR, Gökhan ARSLAN</i>
<b>14:20-14:30</b>	<b>Investigation of some physical properties of MOS type ZnO based nanorods diodes</b> <i>Ahmet Tolga TAŞÇI, Merve KARADENİZ, Turgay SEYDİOĞLU, Sedat KURNAZ, Osman ÇİÇEK</i>	<b>Computational study of the FKBP prolyl isomerase 3 gene in fugu (<i>Takifugu rubripes</i>): Understanding molecular mechanisms and functional consequences</b> <i>Mehtap BAYIR, Burcu Naz UZUN, Serpil TURHAN, Abdulkadir BAYIR</i>
<b>14:30-14:40</b>	<b>Online dead time compensator for PMSM based on harmonic injection</b> <i>Faruk ERKEN, Osman ÇİÇEK</i>	<b>Molecular cloning and characterization of CRABP (cellular retinoic acid binding protein) gene in trout (<i>Salmo trutta</i>) in trout liver tissue and determination</b> <i>Harun ARSLAN, Emre SEFA</i>
<b>14:40-14:50</b>	<b>The effect of siliconizing process on the wear resistance of Inconel 738</b> <i>Azmi ERDOĞAN, Tuba YENER</i>	<b>The use of <i>Daphnia magna</i> to evaluate the toxic effects of CuO and ZnO nanoparticles</b> <i>Feyza İÇOĞLU AKSAKAL</i>
<b>14:50-15:15</b>	<b>Discussion</b>	<b>Discussion</b>
<b>15:15-15:30</b>	<b>Coffee Break</b>	



## PHYSICAL ATTENDANCE (DAY 2, September 11<sup>th</sup>), ORAL PRESENTATIONS

	<b>Hall-A</b>	<b>Hall-B</b>
	<b>Session Chair:</b> Assoc. Prof. Dr. Raziye IŞIK KALPAR	<b>Session Chair:</b> Assoc. Prof. Dr. Nicoleta Anca ŞUŢAN
<b>15:30-15:40</b>	<b>The function of cytokines in fish immunity</b> <i>Osman Neziĥ KENANOĖLU, Soner BİLEN</i>	<b>Cost-effective and time-efficient biosynthesis of bioactive nanoparticles using crude plant extracts: Unveiling biological activities</b> <i>Nicoleta Anca ŞUTAN, Diana Ionela STEGARUS POPESCU, Liliana Cristina SOARE, Alina PĂUNESCU, Ionica DELIU, Georgiana CIRSTEA, Denisa Stefania VILCOCI, Speranța AVRAM</i>
<b>15:40-15:50</b>	<b>Genotoxicity of glyphosate on aquatic organisms: A review</b> <i>Yiĝit TAŞTAN, Adem Yavuz SÖNMEZ</i>	<b>Comparison of calculation methods of criterion weights thanks to intuitionistic fuzzy sets</b> <i>Feride TUĖRUL</i>
<b>15:50-16:00</b>	<b>A review on the genotoxic potential of antibiotics on aquatic organisms</b> <i>Nihan AKINCI KENANOĖLU, Ahmet Ali BERBER</i>	<b>Enhancing k-means clustering performance with genetic algorithms: A comparative analysis</b> <i>Burak ARSLAN, Rabia KORKMAZ TAN</i>
<b>16:00-16:10</b>	<b>Recent advances in genome editing in Nile tilapia (<i>Oreochromis niloticus</i>)</b> <i>Emel ÖZCAN GÖKÇEK, Raziye IŞIK KALPAR</i>	<b>Bibliometric analysis of GWAS technologies in livestock</b> <i>Zeynep SÖNMEZ</i>
<b>16:10-16:20</b>	<b>CRISPR-Cas9 applications in cattle: Advancing gene editing for improved traits and disease resistance</b> <i>Mustafa Can YILMAZ, Raziye IŞIK KALPAR</i>	<b>The effect of <i>Pantoea agglomerans</i> on the growth and Macro-micro element content of <i>Begonia semperflorens</i></b> <i>Merve ŞENOL KOTAN</i>
<b>16:20-16:45</b>	<b>Discussion</b>	<b>Discussion</b>



## PHYSICAL ATTENDANCE, POSTER PRESENTATIONS

Posters should be hung to the designated area at **Poster Hall** on September 10<sup>th</sup> (1<sup>st</sup> day) and displayed by the presenting author until September 11<sup>th</sup> 17:00.

<b>Arc-melting fabrication of 45S5 bioactive glasses</b> <i>Ayten SEÇKİN, Serap SAFRAN, Haluk KORALAY, Mehmet Ali AKSAN, Gökhan KIRAT</i>
<b>Electrical and morphological investigation of Schottky devices from Monolayer and a double layer oxide interface</b> <i>Ayten SEÇKİN, Pinar ORUÇ, Haluk KORALAY, Şükrü ÇAVDAR, Nihat TUĞLUOĞLU</i>
<b>New techniques and applications for erosion prevention</b> <i>Deniz BASTUĞ, Hüseyin SARI</i>
<b>Increase soil organic matter (SOM) and reduce carbon footprint</b> <i>Tuğrul Turan SARI, Hüseyin SARI</i>
<b>Water Holding Capacity and Water Movement of Soils</b> <i>Sadık ÖZDEMİR, Hüseyin SARI, Fikri Zeki KESKİN</i>
<b>The impact of anthropozoogenic activity on grasslands in the sub-mountain zone. Case study: Sasului Valley-Argeş County, Romania</b> <i>Monica Angela NEBLEA, Mădălina Cristina MARIAN, Cristiana Laura IORDACHE</i>
<b>Impact of silver nanoparticles on polyphenolic content and proline accumulation in <i>Cucumis sativus</i> L. seedlings</b> <i>Simona Elena PISCULUNGEANU, Liliana Cristina SOARE, Nicoleta Anca ŞUŢAN, Oana Alexandra LUŢU</i>
<b>Therapeutic potential of the self-heal herb <i>Prunella vulgaris</i> L.</b> <i>Constanța BUCĂLOIU, Liliana Cristina SOARE, Oana Alexandra LUŢU, Ionica DELIU, Nicoleta Anca ŞUŢAN</i>
<b>Effects of solid matrix priming on spinach seed vigor</b> <i>Burcu Begüm KENANOĞLU</i>
<b>The effects of various moringa extracts on spinach seed performance in different growing media</b> <i>Burcu Begüm KENANOĞLU</i>
<b>The first record of <i>Ablepharus kitaibelii</i> (Bibron and Bory de Saint-Vincent, 1833) in the North of Olt County</b> <i>Maria Denisa CONETE</i>
<b>Profibrogenic factors and their involvement in the development of hepatic fibrosis</b> <i>Alina DUMITRACHE PĂUNESCU, Nicoleta Anca ŞUŢAN, Liliana Cristina SOARE, Monica Marinela ȚĂNȚU, Ana ȚĂNȚU, Cristina Maria PONEPAL, Gheorghita BRÎNŢEA, Monica Ileana BANIȚĂ</i>
<b>Heavy metal stress in plants: Effects and ways to alleviate</b> <i>Monica POPESCU</i>





**ONLINE ATTENDANCE (DAY 1, September 10<sup>th</sup>), ORAL PRESENTATIONS**  
**GENERAL SESSION (Virtual Hall-1)**

	<b>Session Chair:</b> Prof. Dr. Muhammed ATAMANALP
<b>14:00-14:10</b>	<b>What is happening in the micro world of plastics in Türkiye?</b> <i><u>Muhammed ATAMANALP</u></i>
<b>14:10-14:20</b>	<b>Individual plastic footprint and plastic waste awareness: The case of Türkiye</b> <i>Vildan Zülal SÖNMEZ, Ezgi AKAR, Molham HADRİ, Fatma Zehra AYDIN, Ceyhun AKARSU, <u>Nüket SİVRİ</u></i>
<b>14:20-14:30</b>	<b>From tiny particles to big problems: The story of microplastics</b> <i><u>Hamda AZMAT</u></i>
<b>14:30-14:40</b>	<b>Macro- and microplastic contamination in the Sinop coast of the Black Sea</b> <i><u>Levent BAT</u>, <u>Ayşah ÖZTEKİN</u></i>
<b>14:40-14:50</b>	<b>Microplastics in the Turkish marine environment: Surface water, sediment and biota</b> <i><u>Kenan GEDİK</u></i>
<b>14:50-15:15</b>	<b>Discussion</b>



## ONLINE ATTENDANCE (DAY 1, September 10<sup>th</sup>), ORAL PRESENTATIONS

	<b>Virtual Hall-1</b>	<b>Virtual Hall-2</b>
	<b>Session Chair:</b> Prof. Dr. Said LAARIBYA	<b>Session Chair:</b> Prof. Dr. Levent BAT
<b>15:30-15:40</b>	<b>Determinants of the distribution potential of endangered endemic forest species case study – Morocco</b> <i>Said LAARIBYA</i>	<b>Small-scale fisheries in Sanga-Sanga, Bongao, Tawi-Tawi, Philippines</b> <i>Adzmie SABRE, Angelica BERMIL, Jurmin SARRI, Maria Liza TORING-FARQUERABAO</i>
<b>15:40-15:50</b>	<b>Is clear cutting an ecologically correct preference in Turkish red pine (<i>Pinus brutia</i> Ten.)?</b> <i>Ercan OKTAN, Neslihan ATAR</i>	<b>Effects of dietary microplastics inclusion on the blood profile and stress response of Nile tilapia (<i>Oreochromis niloticus</i> Linnaeus, 1758)</b> <i>Wahaymin JAMIL, Yashier JUMAH, Jaro AJIK, Gerly-Ayn TUPAS, Rizal Jhunn ROBLES, Jurma TIKMASAN</i>
<b>15:50-16:00</b>	<b>Corno-<i>Quercetum petraeae</i> Máthé et Kovács 1962 association (<i>Quercion pubescenti-petraeae</i> Br.-Bl. 1932) in the “Dobrușa” landscape reserve in the Republic of Moldova</b> <i>Victor SFECLĂ</i>	<b>Comparison of optimization algorithms for cost and benefit analysis in water loss management</b> <i>Salih YILMAZ, Mahmut FIRAT, Abdullah ATEŞ</i>
<b>16:00-16:10</b>	<b>The use of forest products as a renewable energy source: Biomass energy potential from forest residues</b> <i>Ercan OKTAN, Öznur ÖZKAN</i>	<b>Cost and benefit analysis for leakage detection and reduction practices with the regional correlator method</b> <i>Salih YILMAZ, Mahmut FIRAT</i>
<b>16:10-16:20</b>	<b>Ethnobotanical and floristic study in the Maamora Forest, Morocco</b> <i>Assmaa ALAQUI</i>	<b>Assessing the economic potential of sea urchin roe trade in Tawi-Tawi, Philippines during Ramadan</b> <i>Benzali S. ISPAL, Maria Liza B. TORING-FARQUERABAO, Jaro O. AJIK, Rizal Jhunn F. ROBLES</i>
<b>16:20-16:30</b>	<b>Variation in bark thickness of <i>Pinus sylvestris</i> L. in Kastamonu region of Türkiye</b> <i>Fadime SAĞLAM, Oytun Emre SAKICI</i>	<b>Small-scale fishery operation of fish corral in Sibutu, Tawi-Tawi, Southern Philippines</b> <i>Shada-Wati H. KISSAE, Khamila J. DAHAM, Jaro O. AJIK, Marilyn Q. AMLANI, Albaris B. TAHILUDDIN, Maria Liza B. TORING-FARQUERABAO</i>
<b>16:30-16:45</b>	<b>Discussion</b>	



## ONLINE ATTENDANCE (DAY 1, September 10<sup>th</sup>), POSTER PRESENTATIONS

	Virtual Hall-1	Virtual Hall-2
	<b>Session Chair:</b> Assoc. Prof. Dr. Daria BULYSHEVA	<b>Session Chair:</b> Assoc. Prof. Dr. Ali Eslem KADAK
17:00-17:05	<b>Economic efficiency of the production of complete ration compound feed using protein and vitamin supplements for broiler chickens aged 6-8 weeks</b> <i>Ihor RIZNYCHUK, Zoia YEMETS, Ihor NIKOLENKO, Olena KISHLALY, Kristina MAZHLYLOVSKA, Anastasia HARBAR</i>	<b>Antibacterial efficacy of <i>Pistacia lentiscus</i> extracts</b> <i>Mohamed KHIARI, Zine KECHRID</i>
17:05-17:10	<b>Yield and harvesting moisture of grain of corn hybrids at different sowing dates</b> <i>Tatiana MARCHENKO, Anna KRYVENKO, V. ZORUNKO, V. OREKHIVSKYI</i>	<b>Active principles contained in the species <i>Prunella vulgaris</i> L.</b> <i>Bucăloiu CONSTANTA</i>
17:10-17:15	<b>Fungicidal Control of <i>Botritis cinerea</i> on strawberry plantations in the forest-steppe zone of Ukraine</b> <i>Maya DZHAM, Iryna ISHCENKO, Anna KRYVENKO</i>	<b>Methods of drying and extraction of biologically active compounds from plants</b> <i>Bucăloiu CONSTANTA</i>
17:15-17:20	<b>Increasing the resistance of grape plants under the influence of growth stimulants</b> <i>Iryna ISHCENKO, Yurii SAVCHUK</i>	<b>Green algae-bioindicators of the river Ialomița</b> <i>Bucăloiu IONELA</i>
17:20-17:25	<b>Agrobiological characteristics and technological features of clones of technical grape varieties identified at the National Science Center «V.Ye. Tairov Institute of Viticulture and Winemaking»</b> <i>Yurii SAVCHUK, M. FEDORENKO, O. BUGRO</i>	<b>Analysis of the physico-chemical indicators of the water of the Ialomița River</b> <i>Bucăloiu IONELA</i>
17:25-17:30	<b>The Allelopathic effect of some organic husks and coffee waste on germination of <i>Lolium perenne</i> L. and <i>Agrostemma githago</i> L.</b> <i>Derya ÖGÜT YAVUZ</i>	<b>Determination of chemical composition and biological activity of flaxseed (<i>Linum usitatissimum</i>) essential oil</b> <i>Mohamed Omar Abdalla SALEM, Masoud A. S. LAKWANI</i>



## ONLINE ATTENDANCE (DAY 1, September 10<sup>th</sup>), POSTER PRESENTATIONS

	<b>Virtual Hall-1</b>	<b>Virtual Hall-2</b>
	<b>Session Chair:</b> Assoc. Prof. Dr. Daria BULYSHEVA	<b>Session Chair:</b> Assoc. Prof. Dr. Ali Eslem KADAK
<b>17:30-17:35</b>	<b>Determination of awareness levels of vineyard producers about weeds and weed control: Alaşehir (Manisa) case</b> <i>Derya ÖĞÜT YAVUZ, Aykan ÇAKMAK</i>	<b>Virtual laboratory in biology education: New e-learning tool</b> <i>Mohamed Omar Abdalla SALEM, Masoud A. S. LAKWANI</i>
<b>17:35-17:40</b>	<b>Influence of agrobiological characteristics of potato varieties on harvest quality indicators</b> <i>Maya DZHAM, Yulia KONONENKO, Anna KRYVENKO</i>	<b>Behavioral activity of cows under conditions of year-round untethered box housing and temperature stress</b> <i>Olena BEZALTYCHNA, Alla KYTAIEVA, Tetiana PUSHKAR, Valentyna YASKO, Yevheniia HURKO</i>
<b>17:40-17:45</b>	<b>Yield of new varieties of pea under the conditions of the steppe area Ukraine</b> <i>V. I. SICHKAR, Anna KRYVENKO, Ruslan SOLOMONOV</i>	<b>Technological properties of skin and pelt qualities of Karakul lambs</b> <i>Alla KYTAIEVA, Olena BEZALTYCHNA, Ihor SLIUSARENKO, Vira MAMEDOVA</i>
<b>17:45-17:50</b>	<b>The effects of turmeric powder (<i>Curcuma longa</i>) supplementation into broiler diet on color parameters and sensory evaluation</b> <i>Hilal ÜRÜŞAN ALTUN, Canan BÖLÜKBAŞI</i>	<b>Technological processes of breeding and intensity of growth of the Karakul Lambs</b> <i>Alla KYTAIEVA, Olena BEZALTYCHNA, Ihor SLIUSARENKO, Alona NOVICHKOVA</i>
<b>17:50-17:55</b>	<b>Comparison of the cost of heating indoor structures with different types of biofuel</b> <i>Liudmyla POPOVA, S. SAKARA</i>	<b>Production of environmentally safe beekeeping products under conditions of the southern region of Ukraine</b> <i>Olena BEZALTYCHNA, Alla KYTAIEVA</i>
<b>17:55-18:00</b>	<b>Efficiency of use of evolution graminicide in the sunflower protection system</b> <i>Oleg KRAINOV, D. A. STRATIEVSKIY</i>	<b>Effectiveness of using chlorella microalgae suspension in rations of lactating goats</b> <i>Alla KYTAIEVA, Ihor SLIUSARENKO, Viktoriia SLIUSARENKO</i>



## ONLINE ATTENDANCE (DAY 1, September 10<sup>th</sup>), POSTER PRESENTATIONS

	Virtual Hall-1	Virtual Hall-2
	<b>Session Chair:</b> Assoc. Prof. Dr. Daria BULYSHEVA	<b>Session Chair:</b> Assoc. Prof. Dr. Ali Eslem KADAK
<b>18:00-18:05</b>	<b>Post-harvest sowing of grain crops in the system of intensive farming</b> <i>Oleksandr RUDIK, L. SERGEEV, V. CHUHAN</i>	<b>Stimulating students for learning development through research</b> <i>Mădălina-Cristina MARIAN, Benedict OPRESCU, Monica Angela NEBLEA</i>
<b>18:05-18:10</b>	<b>Oil flax in the farming system of the steppe zone</b> <i>Oleksandr RUDIK, I. DYADKO, M. TOPAL</i>	<b>Application of statistical methods for aquatic ecosystem assessment</b> <i>Diana SYULEKCHIEVA, Stanislav POPOV, Blagovesta MIDYUROVA, Aleksandar DIMITROV</i>
<b>18:10-18:15</b>	<b>Restoration of predator biodiversity in strawberry fields through the use of <i>Lobularia maritima</i> in Dnipro, Ukraine</b> <i>Andrii DOKHTORUK</i>	<b>Analysis of controlled cutting and regeneration, sustainable strategies for forest conservation</b> <i>Mădălina-Cristina MARIAN, Radu DUMITRACHE, Monica Angela NEBLEA, Elena Gabriela GROSU</i>
<b>18:15-18:20</b>		<b>Identification of some patterns of accumulation of elements in assimilation organs of Scots pine <i>Pinus sylvestris</i> L. and silver birch <i>Betula pendula</i> Roth. and identification of some patterns in zones of aerotechnogenic magnesite pollution in the southern Urals of Russia</b> <i>Nadezhda POSPELOVA KUZMINA, Sergey MENSNIKOV, Pavel MOHNACHEV</i>

## ONLINE ATTENDANCE (DAY 2, September 11<sup>th</sup>), ORAL PRESENTATIONS

	Virtual Hall-1	Virtual Hall-2
	<b>Session Chair:</b> Prof. Dr. Kenan GEDİK	<b>Session Chair:</b> Assoc. Prof. Dr. Soner BİLEN
<b>09:30-09:40</b>	<b>Growth performance and survival rate of mangrove whelk (<i>Terebralia sulcata</i>) fed with different natural diets</b> <i>Ruhaiba W. DULLA, Mohammad Mar-One A. HAMSAH, Wahaymin M. JAMIL, Melodina D. HAIROL, Rizal Jhunn F. ROBLES, Marhamin H. JUMSALI</i>	<b>Catch per unit effort and length-weight relationship of target fish species in fish corral fishing operations in Sibutu, Tawi-Tawi, Southern Philippines</b> <i>Shada-Wati H. KISSAE, Khamila J. DAHAM, Jaro O. AJIK, Marilyn Q. AMLANI, Albaris B. TAHILUDDIN, Maria Liza B. TORING-FARQUERABAO</i>
<b>09:40-09:50</b>	<b>Effects of hermit crab meal as an alternative to fish meal on growth, survival, and feed utilization of tilapia (<i>Oreochromis niloticus</i>, Linnaeus, 1758)</b> <i>Al-Nasrif H. KISSAE, Rizal Jhunn F. ROBLES</i>	<b>Artisanal fishery of bigfin reef squid <i>Sepioteuthis lessoniana</i> landed in Bongao wet market, Bongao, Tawi-Tawi, Philippines</b> <i>Taib T. ALKA, Emely M. TALAID, Jurmin H. SARRI, Maria Liza B. TORING-FARQUERABAO, Rizal Jhunn F. ROBLES</i>
<b>09:50-10:00</b>	<b>Reproduction traits of brook trout (<i>Salvelinus fontinalis</i>) and effects of two different commercial feeds on the growth of fry</b> <i>Alparslan IŞIK, Esat Mahmut KOCAMAN, Fatih KORKMAZ</i>	<b>The promising news for the endangered species <i>Pinna nobilis</i> Linnaeus, 1758 in the Çanakkale Strait and the Marmara Sea (Türkiye)</b> <i>Sefa ACARLI, Deniz ACARLI, Semih KALE</i>
<b>10:00-10:10</b>	<b>Effects of different natural diets on the growth, serum protein, and survival of blue swimming crab <i>Portunus pelagicus</i> (Linnaeus, 1758)</b> <i>Suhana A. ABDURAUP, Yasher Grei O. ABOGADIE, Ruma H. SAID, Yashier U. JUMAH, Melodina D. HAIROL, Wahaymin M. JAMIL</i>	<b>Determination of changes in the water surface area of Ayvacık Dam (Çanakkale, Türkiye) using remote sensing and Geographic Information System</b> <i>Semih KALE, Selçuk BERBER, Deniz ACARLI</i>
<b>10:10-10:20</b>	<b>Evaluating growth and survival of <i>Mugil cephalus</i> fry with telescope snail meal inclusion in formulated diets</b> <i>Dolly Claire V. IBNO, Rizal Jhunn F. ROBLES</i>	<b>The small-scale tuna fishery in Leyte, Eastern Visayas, Philippines</b> <i>Christian REDUCTO, Rizalyn PICOY-GONZALES</i>
<b>10:20-10:30</b>	<b>Effect of different implantation methods in freshwater mussel, <i>Lamellidens marginalis</i> with respect to stress parameters, immune parameters, and hematological parameters</b> <i>Sweta PRADHAN, Suman MANNA, Gouranga BISWAS, Leesa PRIYADARSHANI, Tapas Kumar GHOSHAL</i>	<b>A comparative study on the species composition and catch efficiency of two different designs of fish pots</b> <i>Fadzri U. JUHURAL, Rizal Jhunn F. ROBLES, Maria Liza B. TORING-FARQUERABAO, Jurmin H. SARRI, Khadiza H. IMLAN</i>
<b>10:30-10:45</b>	<b>Discussion</b>	<b>Discussion</b>



## ONLINE ATTENDANCE (DAY 2, September 11<sup>th</sup>), ORAL PRESENTATIONS

	Virtual Hall-1	Virtual Hall-2
	<b>Session Chair:</b> Prof. Dr. Erkan CAN	<b>Session Chair:</b> Prof. Dr. Hamda AZMAT
<b>11:00-11:10</b>	<b>Hook and line fishery in coastal areas of Datu Odin Sinsuat, Maguindanao, BARMM, Philippines</b> <u>Jonald BORNALES</u>	<b>Effects of co-exposure to simple and mixed treatments involving polypropylene and ketoprofen on zebrafish behavior</b> <u>Ionut-Alexandru CHELARU, Dorel URECHE, Alin Stelian CIOBÎĂ, Mircea Nicușor NICOARĂ</u>
<b>11:10-11:20</b>	<b>Abundance and Characteristics of microplastics in commercially sold fishes from General Santos City Fish Port Complex, Philippines</b> <u>Allan Jr. AGAO-AGAO, Karen ALIGANZA, Allan AGAO-AGAO, Ana Margarita AGAO-AGAO, Jonald BORNALES, Keriman YÜRÜTEN ÖZDEMİR</u>	<b>Toxicity of cigarette butts on <i>Trichopsis vittata</i> (Cuvier, 1831)</b> <u>Suman MANNA, Sayan MAJUMDAR, Sweta PRADHAN, Tapas Kumar GHOSHAL</u>
<b>11:20-11:30</b>	<b>Artificial neural networks modelling for nitrate prediction of surface water of Gökırmak River (Türkiye)</b> <u>Semih KALE, Adem Yavuz SÖNMEZ, Rahmi Can ÖZDEMİR, Yiğit TAŞTAN, Ali Esem KADAK</u>	<b>Evaluation of cyto-genotoxicity and histological alterations in arsenic exposed <i>Labeo rohita</i> and its mitigation with <i>Moringa oleifera</i> leaf extract</b> <u>Hamda AZMAT, Fakhira KHALID</u>
<b>11:30-11:40</b>	<b>Gonadal Somatic Index and length-weight relationship of mackerel scad <i>Decapterus macarellus</i> landed in Bongao Wet Market, Tawi-Tawi, Philippines</b> <u>Jamri L. JUL, Jurmin H. SARRI, Maria Liza B. TORING-FARQUEDABAO, Rizal Jhunn F. ROBLES</u>	<b>Exploring the effect of fertilizers on the growth of red seaweed <i>Kappaphycus alvarezii</i> farmed in Simunul, Tawi-Tawi</b> <u>Muhammad Al-Masil J. MAUJUD, Rizal Jhunn F. ROBLES</u>
<b>11:40-11:50</b>	<b>Nesting behaviors and competencies of aquatic macroinvertebrates</b> <u>Mehmet BEKTAS</u>	<b>Effects of seagrass wrack extract as biofertilizers on the growth, ice-ice disease prevalence, and carrageenan quality of eucheumatoid seaweed <i>Kappaphycus striatus</i></b> <u>Albaris B. TAHILUDDIN, Ertugrul TERZI</u>
<b>11:50-12:00</b>	<b>Investigate use of insect larvae in food rations of goldfish and chickens after experiments of small-scale insect farms</b> <u>Mehmet BEKTAS, Olcay GÜLER, İremso TÖNGEL, Çağla DEMİREL, Büşra DAL</u>	<b>Effect of nutrient enrichments on the survival rate and disease occurrence of seaweed <i>Eucheuma denticulatum</i> in micro-propagule indoor culture</b> <u>Noriam L. JALAJDI, Jherry Bonn D. HAMISAIN, Alhaisam S. NUR-ALIH, Rizal Jhunn F. ROBLES</u>
<b>12:00-12:15</b>	<b>Discussion</b>	<b>Discussion</b>



## ONLINE ATTENDANCE (DAY 2, September 11<sup>th</sup>), ORAL PRESENTATIONS

	Virtual Hall-1	Virtual Hall-2
	<b>Session Chair:</b> Prof. Dr. Stepan VARBAN	<b>Session Chair:</b> Dr. Gouranga BISWAS
<b>13:30-13:40</b>	<b>A study of the lactation potential of jersey cows in the conditions of the Budzhak steppe</b> <i>Stepan VARBAN, Alla CARA, Andrey SARANDI</i>	<b>Effect of Chitosan on the Color Profile of Rainbow Trout (<i>Oncorhynchus mykiss</i>) Fillets Stored at the Refrigerator</b> <i>Hazal BAŞAR YILMAZ, Ali Eslem KADAK</i>
<b>13:40-13:50</b>	<b>Physiological characteristics of the Bianca variety when grown on slopes</b> <i>Antonina DERENDOVSKAIA, Ana GRIBCOVA</i>	<b>A Study on the Shell Structure and Chemical Composition of <i>Flexopecten glaber</i> (Linnaeus, 1758) Collected from Bandırma Bay, the Sea of Marmara</b> <i>Harun YILDIZ, Bayram KIZILKAYA</i>
<b>13:50-14:00</b>	<b>Impact of oenological tannin addition during fermentation-maceration process on the phenolic complex at the production of dry red from Copceac and Feteasca Neagră grape varieties</b> <i>Boris MORARI, Nicole TARAN, Silvia NEMŢEANU, Vasile SANDU, Pavel GLAVAN</i>	<b>Monthly Variations in Mineral Contents of <i>Mytilus galloprovincialis</i> Lamarck, 1819 Collected on the Kefken Coast, Western Black Sea (Türkiye)</b> <i>Harun YILDIZ, Bayram KIZILKAYA</i>
<b>14:00-14:10</b>	<b>The influence of indigenous yeast strains for the production of dry red wines on the concentration of phenolic substances and color indices</b> <i>Olga SOLDATENCO, Nicolae TARAN, Victoria ADAJUC</i>	<b>The Flavonoid Compound, Quercetin Promotes Growth and Captive Maturation in Highfin Barb, <i>Oreochromis crenuoides</i></b> <i>Aarya PRIYA, Gouranga BISWAS, Sweta PRADHAN, Dilip Kumar SINGH, Paramita BANERJEE SAWANT</i>
<b>14:10-14:20</b>	<b>Contribution of low nitrogen to cabbage seedling growth in water deficit</b> <i>Melek EKINCI, Ertan YILDIRIM, Furkan TABAR, Selda ORS, Metin TURAN</i>	<b>Evaluation of Fermented Banana Peel on the Survival Rate and Growth Performance of Juvenile Whiteleg Shrimp (<i>Litopenaeus vannamei</i>) in Pond Culture</b> <i>Aminashedratyn I. SANSAWI, Rizal Jhunn F. ROBLES, Gerly-Ayn J. TUPAS</i>
<b>14:20-14:30</b>	<b>Plant growth stimulators-enriched surfactant improve growth of lettuce seedlings</b> <i>Ertan YILDIRIM, Melek EKINCI, Selda ORS, Metin TURAN</i>	<b>Assessing Fish By-Product as a Fish Meal Replacement in Tilapia Fry Diets</b> <i>Raida K. HASSAN, Rizal Jhunn F. ROBLES</i>
<b>14:30-14:45</b>	<b>Discussion</b>	<b>Discussion</b>



## ONLINE ATTENDANCE (DAY 2, September 11<sup>th</sup>), ORAL PRESENTATIONS

	Virtual Hall-1	Virtual Hall-2
	<b>Session Chair:</b> Assoc. Prof. Dr. Pinar OĞUZHAN YILDIZ	<b>Session Chair:</b> Prof. Dr. Brian AUSTIN
15:00-15:10	<b>Investigating gastropod and bivalve market dynamics during Ramadan in Tawi Tawi, Philippines</b> <i>Jurmin H. SARRI, <u>Merilyn I. LAUHARI</u>, Arwina N. SARIH, Alman S. SADDAE</i>	<b>Impact of AI on publishing: Current status and future focus</b> <i>Brian AUSTIN, Erkan CAN</i>
15:10-15:20	<b>Comparative study on the sensory quality attributes of various seaweed (<i>Kappaphycus alvarezii</i>) chip formulations</b> <i>Mariza T. MADNURI, <u>Merilyn Q. AMLANI</u>, Marhamin H. JUMSALI, Melodina D. HAIROL</i>	<b>An analysis of the education and gender influencing the information society indicators in the European Union countries</b> <i>Iuliana Mihaela LAZAR, Ana Cătălina PĂUN, Marius STAMATE, Camelia STAMATE</i>
15:20-15:30	<b>Assessing the viability of chicken manure as a nutrient source for <i>Nannochloropsis oculata</i>: A comparative study with conventional media</b> <i>Gerly-Ayn TUPAS, Noriam JALAJDI, Rosemely KALIM, Gerwin TUPAS</i>	<b>Digital skills across the European Union: Progress and challenges</b> <i>Iuliana Mihaela LAZAR, Ana Cătălina PĂUN, Marius STAMATE, Camelia STAMATE</i>
15:30-15:40	<b>Seafood allergy</b> <i>Pinar OĞUZHAN YILDIZ, Gökhan ARSLAN</i>	<b>A comparative performance analysis of LSTM autoencoder and TimeGPT models in time series anomaly detection</b> <i>Hasan DEMİR, Kürşat Mustafa KARAOĞLAN</i>
15:40-15:50	<b>Spirulina</b> <i>Gökhan ARSLAN, Pinar OĞUZHAN YILDIZ</i>	<b>Physiological adaptability of grapevines to external growing conditions</b> <i>Mihail RAPCEA, Serghei CARA, Serghei CHISLI</i>
15:50-16:00	<b>Food and feeding habits of freshwater fishes in Lake Wood, Zamboanga del Sur, Philippines</b> <i>Floriefe GONZAGA-TORINO, Alejandro Jr. GONZAGA, Floriele GONZAGA, Albaris TAHILUDDIN, Fiona PEDROSO</i>	<b>Investigation of the effect of electrode type on microstructure and mechanical properties in the welding process of Miilux 500 protection armor steels with shielded metal arc welding method</b> <i>Hakan ADA, Muhammed Ahmet ÇOBANOĞLU, Nihat KAYA</i>
16:00-16:10	<b>Effects of some nanoparticles applied at different doses on seedling development in sugar beet (<i>Beta vulgaris</i> L)</b> <i>Firat SEFAOĞLU, Dilara KAYNAR, Gamze Betül ÜNAL</i>	<b>Identification of critical factors for risk assessment studies in pharmaceutical warehouses</b> <i>Melike ERDOĞAN</i>
16:10-16:25	<b>Discussion</b>	<b>Discussion</b>



## ONLINE ATTENDANCE (DAY 2, September 11<sup>th</sup>), ORAL PRESENTATIONS

	Virtual Hall-1	Virtual Hall-2
	<b>Session Chair:</b> Assist. Prof. Dr. Merve KALAYCI KADAK	<b>Session Chair:</b> Assist. Prof. Dr. Hakan ADA
16:30-16:40	<b>Characterization of oven-dried sea grapes <i>Caulerpa lentillifera</i> Stolon</b> <i>Aisa Mae CAMSAIN, Jurma TIKMASAN, Normina ABUBAKAR, Rizal Jhunn ROBLES</i>	<b>Numerical investigation of the effect of cross-member locations and connection geometries on torsional behavior of a light commercial truck chassis</b> <i>Onur ÇOLAK, Mehmet Murat TOPAÇ, Kübra POLAT</i>
16:40-16:50	<b>Aerosol dynamics in the human respiratory system: A literature review</b> <i>Hacer ÜÇÜNCÜ, Doğan ÇİLOĞLU</i>	<b>Comparative analysis of the effect of changes in machine equipment characteristics on the temperature distribution on the machine and the cooking of soybeans during extrusion in full-fat soybean extruders</b> <i>Birol YUVALIOĞULLARI, Eser DÖNMEZ, Ali KOYUNCU, İbrahim Ethem POLAT</i>
16:50-17:00	<b>Factors influencing the conservation of trees in urban green space in Timako Hill, Kalanganan II, Cotabato City, Bangsamoro Autonomous Region in Muslim Mindanao (BARMM), Philippines</b> <i>Gindol Rey LIMBARO, Marvin BATIANCELA</i>	<b>Improving the sievability of high valued zinc borate in centrifugal screener by mechanical methods</b> <i>Birol YUVALIOĞULLARI, Eser DÖNMEZ, Ali KOYUNCU, İbrahim Ethem POLAT</i>
17:00-17:10	<b>Semiconducting textiles via low-temperature atomic layer deposition</b> <i>Fatih BAYANSAL, Steven ALLABY, Habeeb MOUSA, Heba SALEH, Helena SILVA, Necmi BIYIKLI</i>	<b>Microstructure studies of aluminum alloys produced by extrusion method</b> <i>Hakan ADA, Özden Alperen ÇAL, Nihat KAYA</i>
17:10-17:20	<b>Evaluation of indoor fungal contamination of traditional public baths in Algeria</b> <i>Amira Rayene DIBI, Leyla BENAMMAR, Hassane BENSEGHIR, Djamila HEZIL, Sana AOUACHRIA</i>	<b>Mass reduction study of a high pressure die casting aluminum alloy engine part</b> <i>Devrim BİLDİRİCİ, Mehmet Murat TOPAÇ, Kübra POLAT, Tolga ZAVRAK, Yusuf ARMAN</i>
17:20-17:30	<b>Low Impact Development (LID) on campus: A case study of the University of Connecticut's Storrs Campus</b> <i>Merve KALAYCI KADAK, Mariana B. A. FRAGOMENI</i>	<b>Hybrid magnetic quantum dot-carbon nanotube nanostructures</b> <i>Derya DİNCYUREK EKİCİ, Evren MUTLUGUN</i>
17:30-17:45	<b>Discussion</b>	<b>Discussion</b>