3rd INTERNATIONAL AQUATIC BIOTECHNOLOGY SYMPOSIUM PROGRAMME

Turkish Time GMT+03:00	**Wednesday, September 25**
09:30 – 10:30	**REGISTRATION**
10:30 – 11:15	**OPENING CEREMONY** Prof. Dr. Meriç ALBAY (co-Chair) Prof. Dr. Melek İŞİNİBİLİR OKYAR (Chair, Dean of Faculty of Aquatic Sciences) Assoc. Prof. Şafak BAŞA (İSKİ General Manager) Prof. Dr. Osman Bülent ZÜLFİKAR (Rector of İstanbul University)
11:15 – 12:00	**Keynote Lecture:** *"An Overview of The Current Knowledge of The Mode of Action and Toxicity of Marine Toxins"* **Luis Botana,** Spain
12:00 – 13:15	**BREAK**
13:15 – 14:45	**Scientific Session 1. (Chair: Luis Botana)** **Biorefinery in Circular Economy**
13:15 – 13:30	Scale-up Development of Two-stage Microalgae Cultivation in Wastewater Under Mixotrophic Conditions with Biomass Recycling Oz Yasar C., Fletcher L., Camargo-Valero M.A.
13:30 – 13:45	The Role of Microalgae in Enhancing Anaerobic Digestion: A Bibliometric Review Kayan İ., Ayman Öz N.
13:45 – 14:00	Evaluating the Viability of Biogas Production from Aquatic Biomass in the Context of the Green Transition Özbayram G. Akçaalan R., Ozyurt D., Köker L., Zengin Z., Oğuz Çam A., Albay M.
14:00 – 14:15	The Seaweed Production in Circular Bioeconomy: Status and Future Perspectives Maçin K.E.
14:15 – 14:30	Potential Food Packaging Films with Macroalgae-based Biopolymers Su E., Özyurt D., Oğuz Çam A., Akcaalan R., Albay M.
14:30 – 14:45	**BREAK**
14:45 – 15:30	**Keynote Lecture:** *"Sustainable Land Use In The Arctic Region In The Light Of Global Changes: Effect of Climate Change A Case Study: Current State of Thermokarst Lakes In Western Siberia"* **Orhan İnce,** Türkiye
15:30 – 16:45	**Scientific Session 2. (Chair: Orhan İnce)** **Omics in Aquatic Biotechnology**
15:30 – 15:45	Genomic Insights Into Newly Isolated *Mycobacterium* Strains Highlight the Potential of Reverse Vaccinology in Aquaculture Stathopoulou P., Asimakis E., Tsiamis G.
15:45 – 16:00	Comprehensive Mitotranscriptomics of Life Cycle Reversal Stages of Immortal Jellyfish *Turritopsis dohrnii* (*Cnidaria: Hydrozoa*) Aydemir M.N., İşinibilir M., Çalıcı S.Z.
16:00 – 16:15	eDNA Metabarcoding Use on Biomonitoring Along the Marine Coasts of İstanbul Kaleli A., Özbayram G., Köker L., Zengin Z., Akcaalan R.
16:15 – 16:30	Sedimentary Ancient DNA: Cutting-edge Techniques and Their Applications in Biotechnology Mekik S.E., Özden B., Bal E.
16:30 – 16:45	Different Molecular Approaches in Detection of Taste and Odour Problem in Water Zengin Z., Akcaalan R.
16:45 – 17:30	**POSTER SESSION I**
18.00	**SOCIAL EVENT: Basilica Cistern Visit**

Turkish Time GMT+03:00	**Thursday, September 26**
09:30 – 10:15	**Keynote Lecture:** *"Seas of Opportunity: Transforming Marine Invasive Algae into Sustainable Sources of Bioactive Compounds"* **Luísa Custódio,** Portugal
10:15 – 10:30	**BREAK**
10:30 – 12:00	**Scientific Session 3. (Chair: Luísa Custódio)** **Novel Aquatic Bioproducts**
10:30 – 10:45	Investigation of Chitosan Production Using Bacteria and Waste Shrimp Shells Isolated from The Marmara Sea Aygel E., Mater Y.
10:45 – 11:00	Development and Evaluation of Bio-Based Antifouling Coatings Using UV Curing Abdullah T., Gedik F., Dızman C.
11:00 – 11:15	Microalgae Phycobiliproteins as Sustainable Textile Dyes: Optimization of Dyeing Parameters and Evaluation of Dyeing Performance Mutaf Kılıç T., Demir A., Elibol M., Oncel S.
11:15 – 11:30	Exploring the Marine Bioplastics for Food Packaging: Challenges and Emerging Trends Can Tunçelli İ., Erkan N.
11:30 – 11:45	Physical, Microbiological, and Chemical Properties of Sea Bass Patties Containing Oleogel as A Substitute Bakır E., Çetinkaya T., Mantoğlu S., Yalçın H.
11:45 – 12:00	The Relationship Between Omega-3 İntake and Alzheimer's Disease Demirbaş F. N.
12:00 – 13:15	**BREAK**
13:15 – 14:45	**Scientific Session 4. (Chair: Reyhan Akçaalan)** **Aquaculture in Biotechnology**
13:15 – 13:30	Cell Cultures from the Oyster *Magallana bilineata* as A Platform for Toxicity Evaluation and Transgene Expression Balakrishnan S., Sajeevan A.K.M., Parvathi S.C., Bright Singh I.S., Puthumana J.
13:30 – 13:45	Acute streptococcosis in *Oreochromis niloticus*: Development of Inactivated Whole-cell Vaccine from *Streptococcus agalactiae* Sajeevan K. M., Balakrishnan S., Puthumana J., Anilkumar T. V., Bright Singh I. S.
13:45 – 14:00	Low Cost *Scenedesmus aequicaudatus* Hortobágyi Cultivation Atik S., Tekbaba A.G., Semerci A.B., Ongun Sevindik T.
14:00 – 14:15	Probiotics Derived from Fish Gut Microbiota: Alternative Sources Supporting Fish Health and Sustainable Aquaculture Demirhan H.K., Ömeroğlu E., Kıran F.
14:15 – 14:30	Effect of Different Nutrient Mediums on *Kamptonema formosum* (Bory ex Gomont) Strunecký, Komárek & J.Smarda Semerci A.B., Tekbaba A.G., Ongun Sevindik T.
14:30 – 14:45	**BREAK – Photo Time**
14:45 – 15:30	**Keynote Lecture:** *"Navigating The Seas of Innovation: Uniting Genomics, AI, and Pathogen Diagnostics for Sustainable Aquaculture"* **Dean Jerry,** Singapore
15:30 – 16:45	**Scientific Session 5. (Chair: Dean Jerry)** **Algal Biotechnology**
15:30 – 15:45	Screening of Microalgal Isolates for The Production of Added-value Products Ntougias S.
15:45 – 16:00	A New Method for Determination of Total Antioxidant Capacity of Macroalgae and Cosmetic Products Ozyurt D., Demirata B., Oğuz Çam A., Köker L., Özbayram G., Akçaalan R., Albay M.
16:00 – 16:15	Conversion of Ulva Bloom, Which Occurs in The Gulf of İzmir, Into High Value-added Product Conk Dalay M.
16:15 – 16:30	Determination of The Antibacterial Activity of Microalgae Isolated from Giresun Streams Altürk Karaca S., Soylu N.E.
16:30 – 16:45	Optimizing Pollutant Removal from Cheese Whey Wastewater Using Microalgae: A Comparative Study of Response Surface Methodology and Decision Tree Kayan İ. Ayman Öz N.
16:45 – 17:00	Environmental, Economic and Social Sustainability of Microalgae Products: A Review Atılgan Türkmen B., Andoğlu Coşkun E.M., Döken S.
17:00 – 17:30	**POSTER SESSION II**
18.00	**SOCIAL EVENT: Bhosphorus Tour – Gala Dinner**

Turkish Time GMT+03:00	**Friday, September 27**
09:30 – 10:15	**Keynote Lecture:** *"Bioactive Compounds from Native and Non-native Mediterranean Jellyfish"* **Antonella Leone,** Italy
10:15 – 10:30	**BREAK**
10:30 – 12:00	**Scientific Session 6. (Chair: Antonella Leone)** **Aquatic Microbial Biotechnology**
10:30 – 10:45	Are In Vitro Models the Key to Biotechnological Breakthroughs? Rodrigues M.J.
10:45 – 11:00	Exploring The Antibacterial Properties of Mangrove-Derived Fungi Rivai B., Nursid M., Kakhar U., Ardhiansyah I., Sritularak B
11:00 – 11:15	Fungicidal activity of The Isolated Cultures of Cyanobacteria from Lake Tuzkol and The Geothermal Spring of Zharkent. Akmukhanova N.R., Seiilbek S.N., Bakytzhan R.A., Domash G.S.
11:15 – 11:30	Isolation of Actinobacteria from Coastal Ecosystems of İzmir, Antimicrobial Potentials and Dereplication Studies of Crude Extracts Ünver Kurt M., Can Ö., Karakuzu B., Üner G., Gören A.C., Uzel A., Bedir E.
11:30 – 11:45	Evaluation of *in vitro* Dipeptidyl Peptidase IV (DPP-IV) Inhibitory Effects of Limpet Protein Hydrolysates Bilir G., Cermeño M., Khalesi M., FitzGerald R.J., Ekinci D.
11:45 – 12:00	Impact of Selected Heavy Metals on Enriched Nitrifying Culture Katipoglu Yazan T., Soylu D., Insel G.
12:00 – 13:15	**BREAK**
13:15 – 14:45	**Scientific Session 7. (Chair: Günnur Deniz)** **Biomonitoring & Bioremediation**
13:15 – 13:30	Biodegradation of Hydrcarbons by *Kocuria rosea BU22S* and Genomic Insights for Bioremediation Mahjoubi M., Chouchane H., Ouertani R., Cappello S., Aliyu H., Naifer M., Masmoudi A.S., Cowan D.A., Cherif A.
13:30 – 13:45	Effect of Wastewater Supported Environment on Biochemical Content, Nutrient Removal Capacity, and Antioxidant Activity of *Chloroidium ellipsoideum* (Gerneck) Darienko & al. Tekbaba A.G., Kutlu N., Semerci A.B., Atik S., Ongun Sevindik T.
13:45 – 14:00	High Resolution Acoustic Imaging for Detection and Mapping of *Posidonia oceanica* Meadow and Matte, and Analysis of Physical Parameters Affecting Meadow Distribution Özel Ö., Kaboğlu G., Akçalı B., Eronat C., Okay Günaydın S., Eytemiz C., Vardar D., İlhan T.
14:00 – 14:15	Proposal of Nitrogen Removal Technologies for Urban Wastewater Treatment in The Marmara Sea Basin: A Strategy for Mucilage Prevention İnsel G., Özyıldız G., Çokgör E., Gürel M., Zengin G.E., Güven D., Ekdal A., Ertürk A., Artan N.
14:15 – 14:30	Photocatalytic Performance of Ag-Humic Acid Magnetic Nanoparticles for Degradation of Methylene Blue in Aqueous Medium Özdemir Olgun F.A., Kaba I.
14:30 – 14:45	**BREAK**
14:45 – 15:30	**Keynote Lecture:** *"Pesticide Threats to Estuarine Seafood Health and Safety"* **Kirsten Benkendorff,** Australia
15:30 – 16:45	**Scientific Session 8. (Chair: Kirsten Benkendorff)** **Sustainability in Aquatic Ecosystems**
15:30 – 15:45	Evaluation of Nutrient Removal and Anti-Inflammatory Drugs Removal Using a Pilot-Scale Novel Hybrid Biofilm Process İnsel G., Çokgör E., Soylu D., Özyıldız G, Topuz E., Zengin G.E., Güven D., Pala Özkök İ.
15:45 – 16:00	Larinier Fishway with Mild Bed Slope: A Pilot Project in Lake Sapanca Basin in Turkey Gündüzalp G., Gaygusuz Ö., Küçükali S., Köker L., Saç G., Dorak Z., Albay M., Cantürk S., Gürsoy Gaygusuz Ç., Ağdamar S., Alp A.
16:00 – 16:15	Harnessing Aquatic Plants for Medicine and Sustainable Nutrition Emman A., Aasim M
16:15 – 16:30	A Promising Approach for Preventing Seabream Fillet Contamination: Inulin and Fructooligosaccharide Doğruyol H., Ulusoy Ş., Üçok D., Tosun Ş. Y., Öksüzömer T.N., Uzun D.
16:30 – 17:30	**CLOSING CEREMONY** Prof. Dr. Meriç ALBAY (co-Chair) Prof. Dr. Melek İŞİNİBİLİR OKYAR (Chair, Dean of Faculty of Aquatic Sciences)

16:45 – 17:30	**Wednesday, September 25**
	POSTER SESSION I
	The Effect of Salinity Stress on The Utilization of *Chlorella Vulgaris* as Food and Biodiesel Gürsoy, A. N., Güngör, Z., Özdemir, T., Oğuz, A., Akçaalan, R.
	Auto-Flocculated Biomass Between Blue-Green Algae *Synechocystis sp. PCC 6803* and Filamentous Fungi: A Biofactory for CO2 Capture and the Production of Proteins, and Polyglucan Monshupanee, T., Leksingto, J., Sukkasam, N., In-na, P., Incharoensakdi, A.
	Does The Co-Exposure of Polymethyl Methacrylate Microplastics and Phthalates Increase Its Genotoxicity? Kenanoğlu, M.F., Zengin, Ö.S., Özhan, G.
	Cyanobacteria Bloom in Artificial Ponds: Potential of Biodiesel Production Oğuz, A., Köker, L., Özbayram, G., Akçaalan, R., Albay, M.
	Artificial Intelligence - Driven Modeling for In Vitro Regeneration of Aquatic Plants and Their Use in Phytoremediation Aasim, M., Ali, S.A.
	Trends in Aquatic Biotechnology Research in Türkiye: A Progress Map Kabadayı Yıldırım, S.Ö.
	Comparison of Different Diagnostic Methods for The Identification of *Citrobacter Freundii* from Redtail Catfish (*Phractocephalus Hemioliopterus*) and Determination of Antibacterial Susceptibility Pınarbaşı, Z.S., Ürkü, Ç.
	Preparation of Marine Coatings By Using Acrylated Chitosan Gedik, F., Abdullah, T., Dızman, C.
	Preparation of Alginate-Based Ethyl Pyruvate Films for Combating Fungal Pathogens in Strawberries Başaran, E., Kalkan, E., Çarkcı, E.D., Özmen, M.M., Erarslan, A.
	Removal of Organic Compounds from Aquatic Solutions Using Environmentally And Eco-Friendly Synthesized Cerium Oxide Nanoparticles (CeO_{2-X} NP) Ozyurt, D., Zengin, Z., Akcaalan, R., Albay, M.
	The Genotoxicity Profile of Polystyrene Microplastics Zengin, Ö.S., Kenanoğlu, M.F., Abdallah, M.F., Özhan, G.
	Investigation of Pollutant Removal in Molasses Medium with Indigenous Bacteria Isolated from Water Sources of Türkiye Saygi, A.S., Şen, S.N., Kiliç, K.
	Efficiency of Organisms with Different Trophic Levels as Living Biofilters in The Removal of Nutrients from Juvenile Rainbow Trout Rearing Tanks Azhar M.H., Memiş D.
	Advancements in Plant Tissue Culture of Salt-Tolerant Plants Custódio L., Charles G., Magné C., Barba-Espín G., Piqueras A., Hernández J. A., Hamed K.B.,, Castañeda-Loaiza V., Fernandes E., Rodrigues M.J.
17:00 – 17:30	**Thursday, September 26**
	POSTER SESSION II
	CYANOFRESH- Environmental Friendly Management of Cyanobacteria Blooms in Freshwater Resources Özbayram, E.G., Akçaalan, R., Köker, K., Oğuz Çam, A., Albay, M.
	Effect of Different Carbon and Nitrogen Sources on Mixotrophic Growth of *Dunoliella Salina* Microalgae Fıçıcıoğlu M.
	Optimized Method for Extracting of Antioxidant and Bioactive Compounds from Macroalgae Ozyurt, D., Koksal, S., Oguz, A., Koker, L., Ozbayram, E.G., Akcaalan, R., Albay, M.
	Effect of Replacing Fish Meal with Insect Meal on The Growth of Red Tilapia *Oreochromis Sp.* Hidouci, S., Bensalem, S., Madache, M., Ghettas, C., Kemassi, F.
	Biotechnological Applications of Mussels in Aquatic Biotechnology Tunçelli G.
	Management of Shipborne Waste Özkaynak, Ö.H., Içemer, G.T.
	Use of Living Organisms for Aquaculture Waste Removal Tunçelli G., Azhar M.H., Memiş D.
	A Study on The Diversity of Cyanobacteria in Çorum Stream (Derinçay) and Molecular and Analytical Identification of Microcystin-LR Çelikoğlu, E., Maraşlıoğlu, F., Çelikoğlu, U., Elverici, B.
	Nature-Based Usage of Bacterial Technology in Different Sectors: The Example of Turkish Marine Bacterial Isolates Altuğ, G., Çiftçi Türetken, P.S.
	Heavy Metal Biosorption by A Novel Bacterium Isolated from Düden Waterfall Şen, S., Kılıç, N.K.
	Jellyfish as A Potential Source of Collagen Su, E., İşinibilir, M.
	Metal-Organic Framework for Removal of Methyl Orange Dye From Water Kılıç, B., Polat, S.
	Investigation of Silver Nanoparticles Synthesized by a Bacterium in Photocatalytic Activity Erkoç, E., Gündüz, A.İ., Kılıç, N.K.