



5th International Students Science Congress

21-22 May 2021 *İzmir-Turkey*

İZMİR KÂTİP ÇELEBİ UNIVERSITY

İZMİR Uluslararası Misafir Öğrenci Derneği

UDEF ULUSLARARASI ÖĞRENCİ DERNEKLERİ FEDERASYONU
FEDERATION OF INTERNATIONAL STUDENT ASSOCIATIONS
الاتحاد العالمي للمنظمات الطلابية

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FRIDAY 21.05.2021	10:00 - 10:15	Opening Speech by the Congress Chair Prof. Dr. Mehmet ÇEVİK YouTube Live Stream
	10:15 - 12:30	INVITED SPEAKERS YouTube Live Stream Prof. Dr. Murat YÜLEK (Rector of OSTİM Technical University) <i>Üniversite Sanayi İşbirliği ve Sanayi Üniversitesi</i> Prof. Dr. Durmuş GÜNAY (Former member of Council of Higher Education - YÖK) <i>İnovasyon Felsefesi</i>
	12:30 - 14:30	BREAK
	14:30 - 18:00	FRIDAY AFTERNOON SESSIONS
SATURDAY 22.05.2021	09:30 – 12:45	SATURDAY MORNING SESSIONS
	12:45 -14:00	BREAK
	14:00 - 17:15	SATURDAY AFTERNOON SESSIONS

Friday 21.05.2021 (14.30 – 16.00)		
HALL 1 Zoom Meeting ID: 310 153 7589 Passcode: 112233	HALL 2 Zoom Meeting ID: 304 276 4875 Passcode: 112233	HALL 3 Zoom Meeting ID: 462 161 8453 Passcode: 112233
Session 1 Chair: Figen Kirkpınar	Session 2 Chair: Ayşe Kalaycı Önaç	Session 3 Chair: Ahmet Aykaç
AN2101_ Investigations and Concerns about the Fate of Transgenic DNA And Protein in Livestock Jacob Matovu & Ahmet Alçiçek 14:30-14:45	AC2101_ Revaluation of Ksar El-Haouita in Laghouat, Algeria Fatiha Imane Mahcar & Belkacem Takhi 14:30-14:45	MS2103_Graphene-Based Schottky Junction with Highly-Doped Semiconductor Ala K. Jehad, Kemal Kocabaş, Metin Yurddaşkal & Fethullah Güneş 14:30-14:45
AE2105_Fertilizer Rate for Optimum Growth and Yield of Egusi Melon (Colocynthis citrullus L.)/ Hot Pepper (Capsicum chinense, Jackquin cv. rodo) Intercrop Anjola S. Aninkan & Eytato A. Makinde 14:45-15:00	UP2101_The Contribution of Riparian Zone on Urban Ecosystems through Climate Change Urban Adaptation Process Hande Gündel & Ayşe Kalaycı Önaç 14:45-15:00	NT2102_Production and Characterization of Zinc Oxide/Chitosan Based Hydrogels Functionalized by Mesoporous Silica Nanoparticles Ahmet Aykaç & İzel Ok 14:45-15:00
AE2108_Changes in Soil Properties and Grape Yield after Sawdust Application to Vineyard in A Semi-Arid Region Lelenda Florent Kebalo & Sezai Delibacak 15:00-15:15	AC2102_Globalization Processes in Architecture Nadjla Fellahi 15:00-15:15	MS2102_The Graphene/TiO2 Modified PMMA-Nanofiber Synthesis with Electrospinning Technique Gülperi Feyza Yavuz & Fethullah Güneş 15:00-15:15
AE2104_Current Situation, Future Goals, and Strategies of the Feed Sector in Rwanda Eric Niyonshuti 15:15-15:30	UR2101_Biyofilik Tasarım Kriterleri Bağlamında Ofis Tasarımı Ahenk Karci Demirkol & Ayşe Kalaycı Önaç 15:15-15:30	NT2101_Synthesis and Applications of Self-Healing Nanocomposite Hydrogels Containing Modified Graphene Oxide Ezgi Berfin Çeper & Orhan Güney 15:15-15:30
AE2106_Application of In-Ovo Injection of Some Substances for Manipulation of Sex and Improving Performance in Chicken Abdol Hossain Ataei & Figen Kirkpınar 15:30-15:45	CE2108_The Cost Implication of Some Selected Feeder Bus Routes in Izmir, Turkey Hassan S. Abdulrahman & Mustafa Özuysal 15:30-15:45	NT2103_Çinko Oksit (ZnO) Nanoparçacıklarla Katkılandırılarak Üretilen Feldspatik Cam-Seramiklerin Karakterizasyonu Ahmet Aykaç, Gizem Kestane & Mücahit Sütçü 15:30-15:45
AE2101_Hayvanların Sağlıklı ve Doğal Gelişiminin Desteklenmesinde Yeni Bir Vizyon; Arı Ürünleri Mustapha Ndimballan & Banu Yücel 15:45-16:00	UP2102_First Stage in Climate-Adapted Urban Planning-Mapping Local Climate Zones of Urban Areas Gökçe Gönüllü Sütçüoğlu & Ayşe Kalaycı Önaç 15:45-16:00	TE2101_Doğal Liflerin Özelliklerine Atmosferik Plazma İşleminin Etkileri Aslı Demir & Huda Alattas 15:45-16:00
BREAK		

Friday 21.05.2021 (16.30 – 18.00)		
HALL 1 Zoom Meeting ID: 310 153 7589 Passcode: 112233	HALL 2 Zoom Meeting ID: 304 276 4875 Passcode: 112233	HALL 3 Zoom Meeting ID: 462 161 8453 Passcode: 112233
Session 4 Chair: Ayşe Kalaycı Önaç	Session 5 Chair: Sümeyye Sınır	Session 6 Chair: Faruk Özger
AE2103_Assessment of the Last Decades Studies and Developments in Broilers Nutrition Eric Niyonshuti & Figen Kırkpınar 16:30-16:45	CE2101_Development and Evaluation the Performance of Statistical Downscaling Models for Daily and Monthly Precipitation over Izmir City in Turkey Using ANN Khaled Alramlawi & Okan Fistikoğlu 16:30-16:45	MA2101_Numerical Solution of Dirichlet Boundary Value Problems using Mesh Adaptive Direct Search Optimization Muhammad Jalil Ahmad & Korhan Günel 16:30-16:45
AE2109_Marketing Channels of Mango Farmers in Mali Mohamed El Bechir Koita & Hakan Adanacioğlu 16:45-17:00	CS2104_Heart Sounds Classification Using Hybrid CNN Architecture Mohammed Mansur Abubakar & Taner Tuncer 16:45-17:00	MA2102_Roman Domination Algorithm in Graph Theory Derya Doğan Durgun & Niyazi Emre Toprakkaya 16:45-17:00
BI2101_Consumer Perception of Ready-To-Eat Fruits Sold in Ogun and Lagos, Nigeria during the Covid-19 Pandemic Wasiu Ayodele Abibu, Gafar Bamigbade, Amos Kolawole Oyebisi, Isqeel Ogunsola & AbdulWasiu Sakariyau 17:00-17:15	CS2102_Bilgisayarlı Tomografi Görüntülerini Kullanarak COVID-19 Hastalığının Derin Öğrenme Teknikleriyle Tespiti Muhammed Alperen Horoz & Seda Arslan Tuncer 17:00-17:15	MA2104_Computer Modelling of Syllogism Salviya Svanidze & Tahsin Oner 17:00-17:15
AE2110_Somalı'de Yoksulluğun Azaltılmasında Kadınların Tarımsal Faaliyetlerine Katılım Durumu: Hirshabelle Eyaleti Örneği Abdishakur İbrahim Abdi & Sevtap Gümüş 17:15-17:30	EL2103_Detection of Covid 19 from the Lungs X-Ray Images by Using the Deep Learning Techniques Mohamad Ousama Alabdulaa, Ahmet Alkan & Hanadi Abdullah Omaish 17:15-17:30	MA2105_Statistical Approximation Properties of Some Positive Linear Operators Faruk Özger 17:15-17:30
AE2102_Doğal Ekosistemin Sürdürülebilirliği Açısından Bal Arısı ve Çevre İlişkilerinin Değerlendirilmesi Mustapha Ndimballan & Banu Yücel 17:30-17:45	CS2106_Knime ile Crisp-Dm Veri Bilimi Yöntemi Uygulaması Hilal Çelik & Ahmet Çınar 17:30-17:45	ME2110_Approximate Solutions of Nonlinear Pendulum with Fractional Damping Sümeyye Sınır, Bengi Yıldız & B. Gültekin Sınır 17:30-17:45
AE2107_Hidroponik "Topraksız Tarım": Gıda ve Tarımın Geleceği Roukaya Ghorbel, Jamel Chakchak, Hatice Basmacıoğlu Malayoğlu & Numan S. Cetin 17:45-18:00	-	MA2103_Equi Integrity Partitions in Graphs Derya Doğan Durgun & Eray Sam 17:45-18:00
BREAK		

Saturday 22.05.2021 (09.30 – 11.00)		
HALL 1 Zoom Meeting ID: 310 153 7589 Passcode: 112233	HALL 2 Zoom Meeting ID: 304 276 4875 Passcode: 112233	HALL 3 Zoom Meeting ID: 462 161 8453 Passcode: 112233
Session 7 Chair: Emine Kemiklioğlu	Session 8 Chair: Levent Aydın	Session 9 Chair: Mustafa Bahşı
BC2102_HPLC Analysis and Antioxidant Activity of Phenolic Extracts from the Fruits of Mespilus germanica Umar Muazu Yunusa & Raziye Öztürk Ürek 09:30-09:45	CS2103_Lesion Detection on Skin Images Using Improved U-Net Elif Işılçay Ünlü & Ahmet Çınar 09:30-09:45	ME2105_Fotovoltaik Jeneratörlerin Boyutlandırılması için Sayısal Yöntemlerle birlikte Sezgisel Yöntemlerin Optimizasyonu Harris J. N. Welepe & Hüseyin Günerhan 09:30-09:45
BC2101_Tip 2 Diyabette Devamlı Egzersiz ve Safran Kullanımının İnsülin Direnci ve Glikozun Hücre İçine Alımına Etkisi Raihana Halim, Zaynab Dahi & Nazar Mohammad Halim 09:45-10:00	ME2104_Modeling and Optimization of 3D Printed PLA Material for Maximum Flexural Strength Using Multiple Nonlinear Neuro Regression Analysis Melih Savran, Asil Ayaz & Tuğrul Uslu 09:45-10:00	EC2102_A Review of 2-Dimesional Direction of Arrival Estimation and Its Applications Peter Nyongesah Obimo 09:45-10:00
BI2102_Curcumin Effect on HAS2 Gene Expression on Senescent Fibroblasts Sabina Neziri, Emine Kandemiş & Nehir Özdemir Özgentürk 10:00-10:15	MS2101_Stochastic Optimization of TiO₂-Graphene Nanocomposite by Using Neuro-Regression Approach for Maximum Photocatalytic Degradation Rate Kemal Bartu Aydın, Levent Aydın & Fethullah Güneş 10:00-10:15	IE2101_A Dormitory Selection Study for International Students: Case of Izmir Muhammet Enes Akpınar 10:00-10:15
BT2101_Detection of MRSA Bacteria Using Liquid Crystal Based Sensing Method Ebru Büşra Tunçgövide & Emine Kemiklioğlu 10:15-10:30	ME2106_Manufacturing and Modeling of Hybrid Polymer Composites by Using Multiple-nonlinear Regression Analysis Muhammed Yıldız, Melih Savran, Mustafa Öncül & Kutlay Sever 10:15-10:30	ST2101_Forecast Combinations in Time Series Muhammed Beşir Katerji & Idil Yavuz 10:15-10:30
BT2103_Biosynthesis of Metallic Nanoparticles Using Cephalaria Plant Extracts Mohamed Chanfiou Mkouboi, Nazli Boke Sarikahya, Ayşe Nalbantsoy & Murat Elibol 10:30-10:45	CS2107_Karar Ağacı Algoritması ile E-Ticaret Uygulaması Hilal Çelik & Ahmet Çınar 10:30-10:45	EC2103_Yapay Zeka Etiği Antony Ndolo 10:30-10:45
BT2102_The Effect of Plant Growth Regulators on Callus Induction in Salvia sclarea L. Ceren Özdemir & Semiha Erişen 10:45-11:00	MA2106_Application of Conformable Double Sumudu Transform for Solving Conformable Integro-Differential Equations Suliman Alfaqeih, Gizel Bakıcıerler & Emine Mısırlı 10:45-11:00	-
BREAK		

Saturday 22.05.2021 (11.30 – 12.45)		
HALL 1 Zoom Meeting ID: 310 153 7589 Passcode: 112233	HALL 2 Zoom Meeting ID: 304 276 4875 Passcode: 112233	HALL 3 Zoom Meeting ID: 462 161 8453 Passcode: 112233
Session 10 Chair: Ahmet Aykaç	Session 11 Chair: Selçuk Saatçı	Session 12 Chair: Uğur Kemiklioğlu
CH2101_ Investigation of Pesticide Metabolites in Fruits and Vegetables After Applying Ultraviolet Radiation Eliaso Abubakar & Hasan Ertaş 11:30-11:45	CE2103_Sectional Ductility of Wide Beams Ornela Lalaj Şen, Mehmet Çevik & Ali Haydar Kayhan 11:30-11:45	ME2108_An Improved Control Arm Design for a Commercial Vehicle Sinan Yıldırım, Ufuk Çoban & Mehmet Çevik 11:30-11:45
FE2101_Orta Toroslar Yöresi Tulum Peynirlerinden İzole Edilen E. faecium suşlarının probiyotik ve Teknolojik Potansiyellerinin Belirlenmesi Nusiba Alsiddig Badawi & Nihat Akın 11:45-12:00	CE2105_Numerical Analysis of Flush End-Plate Beam-to-Column Connection Using Mathematical Model and Finite Element Method Mohammad Haroon Ehsan & Mutlu Seçer 11:45-12:00	MT2101_Design of a Lyapunov Based Controller for Vibration Control of Multi-Story Buildings with Nonlinear Approach Rafet Can Ümütlü, Hasan Öztürk & Barış Bıdıklı 11:45-12:00
FS2102_Growth Performance of Nile tilapia Oreochromis niloticus (Linnaeus, 1758) Cultured in Cages in Gezira Irrigation Canals and Gebel Awlia reservoir, Sudan Sana Yagoub Abdallah Tahir, Abdalla Gadain Alnaiem & Egbal Osman Ahmed 12:00-12:15	CE2116_Bending Behavior of Hybrid Fiber Reinforced Concrete Beams Sarra Aloui & Selçuk Saatçı 12:00-12:15	ME2118_Design and Production of a New Smaller Diameter Axial Bearing Subjected to High Wear Loads Sinan Dayı & Mehmet Çevik 12:00-12:15
PH2101_Determining the Situation of Old-age Care in Somalia: A Descriptive Study Abdullahi Ibrahim Janay 12:15-12:30	CE2110_Numerical Modeling of Behavior of Reinforced-Concrete Frames under Biaxial Cyclic Loading Using DIANA FEA Ibrahim Serkan Mısır & Prost Iverden Balenda Bakala 12:15-12:30	ME2112_Design and Production of Man Powered Olive Harvest Machine Ahmet Aktan, Burak Akkaya, Suat S. Şanlı & Uğur Kemiklioğlu 12:15-12:30
PH2102_Hemşirelik Öğrencilerin Sağlıklı Beslenmeye Yönelik Tutumları ve Etkileyen Faktörler Gülcan Bahçecioglu Turan, Safiye Yanmış & Cuma Demir 12:30-12:45	CE2102_Tower Stability Analysis of Wind Turbines Nabil Ahmad HALIM 12:30-12:45	ME2101_Şişe Dolum Sistemlerinde Gazlı İçeceklerin Vakum Altında Doldurulması Ahmet Karataş & Mehmet Çevik 12:30-12:45
BREAK		

5th International Students Science Congress Schedule 21-22 May 2021

Saturday 22.05.2021 (14.00 – 15.30)		
HALL 1 Zoom Meeting ID: 310 153 7589 Passcode: 112233	HALL 2 Zoom Meeting ID: 304 276 4875 Passcode: 112233	HALL 3 Zoom Meeting ID: 462 161 8453 Passcode: 112233
Session 13 Chair: Sercan Acarer	Session 14 Chair: Tarkan Akderya	Session 15 Chair: Murat Tuyan
ME2109_Analysis of Laminar Forced Convection for Protruding Heat Sources in Horizontal Channel in The Presence of Piezofan Salim Ibrahim Hasan, Serhan Küçüka & Mehmet Akif Ezan <i>14:00-14:15</i>	CE2104_The Effect of Compaction Temperatures and Numbers on The Air Void Level of Porous Asphalt Pavements Ahmet Buğra İbiş, Burak Şengöz Ali Topal & Derya Kaya Özdemir <i>14:00-14:15</i>	EL2101_Rural Electrification with Solar Powered Mini-Grids and Stand-Alone Solar System Installations: Case of Somalia Abdiaziz Hussein Abdi & Hasan Zorlu <i>14:00-14:15</i>
ME2103_Internal Flow Simulations of Effusion Cooling in Micro Gas Turbine Blades Süleyman Fatih Kırmızıgöl & Sercan Acarer <i>14:15-14:30</i>	CE2106_Elaboration of an Isothermal Enclosure: Influence of Cure Temperature and Humidity on The Characteristics of Natural Pouzzolane Based Mortars and Limestone Fillers Ahmed Lotfi Djaith, Krechich Mohamed & Abdelkader Mebrouki <i>14:15-14:30</i>	EL2102_Fotovoltaik Güç Sistemlerinde Maksimum Güç Noktası İzleyicisinin Verimliliği Hande Demiröz, Numan Sabit Çetin & Fırat Salmanoğlu <i>14:15-14:30</i>
ME2107_Evaluation of Properties of Industrial Inorganic Waste Filled Polymer Composites Selim İldır, Mustafa Öncül, Metehan Atagür & Kutlay Sever <i>14:30-14:45</i>	CE2107_Effect of Fly Ash on Compaction Behavior of Alluvial Soil Abdalmuner Malikzada, Hasan Fırat Pulat & İnci Develioğlu <i>14:30-14:45</i>	ES2101_A Review of Blade Number and Rotor Size Effects on Multi bladed Windmills Omar Abdulkareem QASIM & Ahmet SAMANCI <i>14:30-14:45</i>
MS2104_Investigation of the Wear Behavior of AA6082 Against Different Counterparts Safiye İpek Ayvaz & Mehmet Ayvaz <i>14:45-15:00</i>	ME2116_Yapay Asit Yağmurunun Ergiyik Biriktirme Yöntemi ile Üretilen Poli(laktik asit) Numunelerin Mekanik Özelliklerine Olan Etkilerinin İncelenmesi Tarkan Akderya <i>14:45-15:00</i>	ES2102_Investigation of The Thermochemical Heat Storage System for Domestic Application: A Review Sarah Waleed Abdulsattar, Omar Abdulkareem Qasim & Ahmet Samancı <i>14:45-15:00</i>
ME2111_Investigation of Force Distribution of Shopping Carts on Human Joints Adil Kılınç, Tarık Akgül, Uğur Kemiklioğlu & Ahmet Zafer Şenalp <i>15:00-15:15</i>	MI2101_Laboratory Tests as Tools to Control the Quality of Cement Mahamane Chapiou Souley Garba & Mohamed Chettibi <i>15:00-15:15</i>	GE2101_Hydrogeological Studies of Aliaga Oil Refinery and Surrounding Area, Izmir (Western Anatolia) Abdulhafiz Sayyed & Gultekin Tarcan <i>15:00-15:15</i>
ME2119_Finite Element Vibration Analysis of a Functionally Graded Plate Alif Ngimbi Diambu & Mehmet Çevik <i>15:15-15:30</i>	MI2102_Immobilization of Heavy Metals from Coal Fly Ash using Triple Superphosphate Mahamane Chapiou Souley Garba, Erol Kaya, Fatih Turan & Abdullah Seyrankaya <i>15:15-15:30</i>	-
BREAK		

Saturday 22.05.2021 (16.00 – 17.15)		
HALL 1	HALL 2	
Zoom Meeting ID: 310 153 7589 Passcode: 112233	Zoom Meeting ID: 304 276 4875 Passcode: 112233	-
Session 16	Session 17	
Chair: Berra Gültekin Sınır	Chair: Gökçen Bombar	
ME2114_ Investigation of The Effects of Core Thickness on Low Velocity Impact Behaviors of Aluminum Honeycomb Composites Kasım Karataş & Okan Özdemir 16:00-16:15	CE2112_Simetrik Akarsu Kavşaklarında Farklı Mansap Derinliklerinin Su Yüzeyi Profiline Etkisi Cihan Canıbek, Gökçen Bombar & António Heleno Cardoso 16:00-16:15	-
ME2115_Fonksiyonel Derecelendirilmiş Malzemelerin Mekanik Karakterizasyonu Uğur Özmen & B. Burak Özhan 16:15-16:30	CE2114_Analysis of Rainwater Harvesting by Water Storage Simulator. A Case Study in Izmir Katip Çelebi University Hadya Taşçı & Erman Ülker 16:15-16:30	-
ME2117_Solution of Delayed Mathieu Equation by Perturbation Iteration Method M. Mustafa Bahşı & Mehmet Çevik 16:30-16:45	CE2113_Eşit Debili Akarsu Kavşağında Taban Kotu Eşitsizliği Durumunda Mansap Akım Derinliğinin Su Yüzeyi Profiline Etkisi Mustafa Eyyhan, Gökçen Bombar & António Heleno Cardoso 16:30-16:45	-
ME2113_ Investigation of Quasi-Static Penetration Behavior of Acorn Powder Reinforced Composites Halis Kandaş & Okan Özdemir 16:45-17:00	CE2111_Homojen Dolgu Baraj Yıkılması Üzerine Deneysel Bir Çalışma Ebru Taşkaya, Gökçen Bombar & Gökmen Tayfur 16:45-17:00	-
CE2109_Fonksiyonel Derecelendirilmiş, Akışkan Taşıyan Boru Ebrar Bengüsü Erdal & B. Gültekin Sınır 17:00-17:15	CE2115_Simetrik Akarsu Kavşağında Tek Yan Koldaki Taban Eşitsizliğinin Su Yüzeyi Profiline Etkisi Zehra Büyüker, Gökçen Bombar & António Heleno Cardoso 17:00-17:15	-
GENERAL EVALUATION AND CLOSING		

Updated May 16, 2021