



https://www.icesconf.com/en/

"ICES 2024 is scheduled based on ANKARA time zone."

#### **Room Links:**

Room 1 Link: <a href="https://teams.microsoft.com/l/meetup-">https://teams.microsoft.com/l/meetup-</a>

join/19%3ameeting\_MzAzOGU1ZWUtOTJiZi00Zjc2LWE0MzItYzRiY2ZlM2FhZjY4%40thread.v2/0?context=%7b%22Tid%22%3a%22d95bac3e-a6c2-4bdd-9bd1-ffb95f46755c%22%2c%22Oid%22%3a%221247354b-5505-4917-b188-2e1f442f9f41%22%7d

Room 2 Link: <a href="https://teams.microsoft.com/l/meetup-">https://teams.microsoft.com/l/meetup-</a>

join/19%3ameeting\_N2I1OGZIOTYtNDI2Yi00YjkzLTk2YWEtNWMxMTQxMDM3ZTdi%40thread.v2/0?context=%7b%22Tid%22%3a%22 d95bac3e-a6c2-4bdd-9bd1-ffb95f46755c%22%2c%22Oid%22%3a%221247354b-5505-4917-b188-2e1f442f9f41%22%7d

Room 3 Link: <a href="https://teams.microsoft.com/l/meetup-">https://teams.microsoft.com/l/meetup-</a>

join/19%3ameeting\_YmRjZGEyMzctYThjMi00MjgyLWJkMzYtOGU0ZjgyNTBhYjhk%40thread.v2/0?context=%7b%22Tid%22%3a%22d9 5bac3e-a6c2-4bdd-9bd1-ffb95f46755c%22%2c%22Oid%22%3a%221247354b-5505-4917-b188-2e1f442f9f41%22%7d

Room 4 Link: https://teams.microsoft.com/l/meetup-

join/19%3ameeting\_MTIxMzljMTItOWRjOC00ZjQ3LTg4MDItZjM4MzRjMTM0ODEz%40thread.v2/0?context=%7b%22Tid%22%3a%22 d95bac3e-a6c2-4bdd-9bd1-ffb95f46755c%22%2c%22Oid%22%3a%221247354b-5505-4917-b188-2e1f442f9f41%22%7d

Room 5 Link: <a href="https://teams.microsoft.com/l/meetup-">https://teams.microsoft.com/l/meetup-</a>

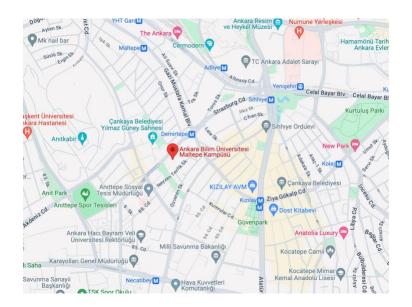
join/19%3ameeting ZDQ1OGZhOTctNDc4OC00YjE0LWJhMmUtZDEwZjc3N2U5ZTNI%40thread.v2/0?context=%7b%22Tid%22%3a%22 d95bac3e-a6c2-4bdd-9bd1-ffb95f46755c%22%2c%22Oid%22%3a%221247354b-5505-4917-b188-2e1f442f9f41%22%7d





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## Conference Location: Ankara Bilim University - Maltepe Campus - Conference Hall Maltepe Mahallesi Şehit Gönenç Caddesi No: 5 Çankaya Ankara



#### Map Link:

https://www.google.com/maps/place/Ankara+Bilim+%C3%9Cniversitesi+Maltepe+Kamp%C3%BCs%C3%BC/@39.9238795,32.842 6415,15.49z/data=!4m6!3m5!1s0x14d3499c9fb54279:0x8fe2231aa94d6a16!8m2!3d39.9238352!4d32.8456887!16s%2Fg%2F11jbl wkx55?hl=tr&entry=ttu





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Date: <b>09.02.2024</b>	Room 1 Click to Join
Time: <b>10.30</b>	ROOM I CHER TO JOH

## **Opening Ceremony**

Title	Time	Duration
Opening Presentation	10.30-10.35	5 min
<b>Prof. Dr. Hakan ÇAĞLAR Speech</b> (Vice Rector of Ankara Science University)	10.35-10.50	15 min
Assoc. Prof. Dr. Ender SEVINÇ Speech (Vice Dean of Engineering and Architecture Faculty)	10.50-11.05	15 min





https://www.icesconf.com/en/

Date: **09.02.2024**Time: **11.10-11:40**Keynote Speech

Room 1 Click to Join

### Keynote Speaker: Prof. Dr. Alev TAŞKIN

Yıldız Technical University, Department of Industrial Engineering, 34349 Besiktas-Istanbul/Turkiye

Web: avesis.yildiz.edu.tr/ataskin avesis.yildiz.edu.tr/aiboss

Short Resume: She completed her BSc, MSc and PhD degrees at Yıldız Technical University, Department of Industrial Engineering, and MBA degree at Istanbul Technical University, Department of Business Administration. Alev Taşkın, who conducted her postdoctoral research at the Massachusetts Institute of Technology (MIT) Zaragoza Logistics Center, has been as Visiting Professor in the field of Data Analytics at Hochschule Harz. She has been working at Yıldız Technical University, Department of Industrial Engineering since 2001, and continues her academic career with the title of Professor as of 2017. She has over a hundred articles, including journals listed in the SCI/SSCI indexes, and many national and international book chapters, congress and conference proceedings. She has many national/international projects in different sectors, together with the leadership of the AIBOSS research group, where she carries out training and project studies on artificial intelligence based optimization studies.

# Title: The Future of Artificial Intelligence Applications in Sustainable Value Chains within the Framework of the Circular Economy Paradigm

Abstract: In forward and/or reverse supply chains, which include suppliers, manufacturers and/or service providers, third-party logistics companies and customers, the demands of elements in a complex network are met and it involves many complex processes. In these processes, which include a large number of parameters, the existence of processes such as production, storage and transportation of urgent, dangerous, perishable, etc. substances creates a system whose management and monitoring is complex and open to risks. In addition, with the circular economy paradigm, which has/will impose various obligations on value with various regulations in recent years, processes such as ensuring, monitoring and documenting product life cycle and sustainability are also added to the system. At this point, Artificial Intelligence Technologies that reduce manual processes, contain control mechanisms and learn have begun to be used in value chains that are becoming increasingly difficult to plan, and their field of use is expanding to penetrate almost all processes. Within the scope of this speech, it is aimed to discuss which artificial intelligence applications are used effectively in which supply chain processes and potential future development directions.





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Date: <b>09.02.2024</b>	Voyanta Spansk	Room 1 Click to Join
Time: <b>14.00-14:30</b>	Keynote Speech	KOOTH 1 CHCK to JOHN

### Keynote Speaker: Assoc. Prof.Dr. Mostafa Hajiaghaei-Keshteli

Associate Professor at the Department of Industrial Engineering, Senior Researcher at the Center of Sustainable Smart Logistics, Tecnologico de Monterrey, Mexico

Short Resume: Dr. Mostafa Hajiaghaei-Keshteli is an Associate Professor at the Department of Industrial Engineering, Tecnológico de Monterrey, which is one of the most prestigious universities for industry and supply chain in Mexico. He is also one of the Cofounder and Senior Researcher at the Center of Sustainable Smart Logistics (CLIS), established in 2022, to offer sustainable logistics solutions to the public and private sector in Mexico and North America. Prof. Hajiaghaei-Keshteli is one of the top 2% of scientists worldwide, according to Elsevier-Stanford report, since 2021. According to SciVal, he is one of the top five scientists in supply chain worldwide and according to Research.com, is top 10 in in all engineering fields in Mexico. He has developed famous metaheuristic algorithms, including algorithms such as Keshtel Alg., Red Deer Alg., Tree Growth Alg., and the Social Engineering Optimizer. He is also an editorial member in some top Q1 journals at Elsevier, such as Applied Soft Computing (ASOC), Engineering Applications of Artificial Intelligence (EAAI), and Expert Systems with Applications (ESWA). He has a solid industrial background, both in managerial and consulting sectors, in different industries such as agriculture, food, automotive, and engine industries.

#### **Title: Recent Advances in Sustainable Smart Logistics**

Abstract: In an era defined by unprecedented technological innovation and a growing commitment to environmental stewardship, the field of logistics is undergoing a profound transformation. This talk delves into the cutting-edge developments that are reshaping the landscape of supply chain management. It explores the intersection of sustainability and smart logistics, showcasing the latest advancements that leverage technology to optimize efficiency while minimizing environmental impact. The talk will also highlight successful case studies and industry best practices, illustrating how organizations are embracing sustainability as a core pillar of their logistical strategies. Attendees can expect to leave with a comprehensive understanding of the state-of-the-art in sustainable smart logistics, equipped with practical insights to drive positive change within their own organizations. This keynote promises to inspire, inform, and catalyze discussions that will shape the future of logistics in an era where innovation and sustainability are inseparable.





Date: <b>09.02.2024</b> Time: <b>14.30-16:00</b>	Session Code: <b>PS01</b>	Face to Face Presentations
Session Chair: Assist. P	rof. Dr. Ayse ÖZDEMIR	
Paper Code	Corresponding Author	Paper Title
icesconf-00840068	Ayse Özdemir	The Preparation of SPION/QDOTS- Aptamer Nanocomposite
		Structures for Biosensor Applications
icesconf-01150103	Seda Şahin	Automated forecasting system for the prices of the different types
		of crypto currencies with Machine Learning Methods
icesconf-00350019	Songul Yasar Yildiz	Isolation of Lipase and Protease Producing Thermophilic
		Microorganisms from Geothermal Sources in Turkey and
		Determination of Their Enzyme Production Potentials
icesconf-01150104	Seda Şahin	Al-Based Detection for Colon Cancer with Medical Image Processing
icesconf-00460028	Müge Sennaroğlu Bostan	Smart Solutions for Intestinal Diseases: Exploring the Potential of
		Controlled Drug Delivery with Pectin-Sodium Alginate Hydrogels
icesconf-01070106	Melis Öder	LCCP And TEWI Analysis of R134a, R404a And R290 Refrigerants In
		Refrigerated Display Cabinets





Date: <b>09.02.2024</b> Time: <b>14.30-16:00</b>	Session Code: <b>PS02</b>	Face to Face Presentations
Session Chair: Assoc.	Prof. Dr. Ender SEVINÇ	
Paper Code	Corresponding Author	Paper Title
icesconf-01210110,	Ender Sevinç	Comparison of Ensemble Algorithms for Gender Prediction Using voice Data
icesconf-00970090	Alper Kaan Koçak	Optimizing Entrepreneurship and Innovation Training: A Comprehensive Analysis and Decision Support System Integration at Turkish Aerospace Industries Inc.
icesconf-00590046	Hajar Farnoudkia	Assessment of Economic Efficiency in BRICS-MINT Countries: A DEA Analysis
icesconf-00100005	Saeed Lotfan	On the misinterpretation of structural damping in harmonic response of rotordynamic systems: commercial tools perspective
icesconf-00500065	Abdul Amir Alioghli	Comparative Analysis Of Air Quality Prediction Using Transformer Networks
icesconf-00870074	Nazli Gülüm Mutlu	Functional Resonance Analysis Method (FRAM) for the Manufacturing Industry: A Bibliometric Analysis of the Literature





Date: <b>09.02.2024</b> Time: <b>14.30-16:00</b>	Session Code: PS03	Face to Face Presentations
Session Chair: Prof. Dr.	Hakan ÇAĞLAR	
Paper Code	Corresponding Author	Paper Title
icesconf-00870074	Melikşah Semih Sezgin	C Ve X Bant Uygulamalari İçin Tek Katmanli FSY Tasarimi
icesconf-00850072	Hakan Çağlar	Determination of Turkish Vocabulary and Digital Game for
		Development and Monitoring
icesconf-01100097	Ebru Adıyaman	Determination of the Most Suitable Machining Temperatures for
		Turning Hard-to-Machine Materials by Machine Learning
icesconf-01120107	Emre Ulutuncel	Thermal Aging Behaviors Of Insulating Resins For Electrical Engines
icesconf-00850070	Hakan Çağlar	Smart University Social Media Application (ABU-Hub),





Date: <b>10.02.2024</b> Time: <b>10.00-12:00</b>	Session Code: <b>PS04</b>	Room 1 Click to Join
Session Chairs: Görker	n Can Palabıyık and Serim Gençaslan	
Paper Code	Corresponding Author	Paper Title
icesconf-00440025	Alihan Cambaz	Composite Repair Modeling Using Finite Element Analysis
icesconf-00640067	Onur Can Piskin	Aerodynamic Analysis of a Rocket with Different Nose Structures at Subsonic Speed by Computational Fluid Dynamics
icesconf-00310015	Nurdan Özdemirli	Current status and future trends of 3D food printing
icesconf-00490061	Mahmut Sami Şaşmaztürk	Parametric and Non-Parametric Reliability Analysis of The Propeller Unit of an Aircraft Fleet
icesconf-00920078	Mamoun Alshihabi	Manufacturability of Composites Combined with Nanometal Powders and Photocurable Resins Manufactured by SLA Additive Manufacturing
icesconf-00830076	Havva Hande Cebeci	Reaction Mechanism Modelling for Cement Calciner
icesconf-00190034	Abdirahman Salad Hassan	Advancing Port Terminal Sustainability In Somalia Through Roller Compacted Concrete Pavement Technology
icesconf-01140102	Görkem Can Palabıyık	Investigation of the machining parameters on surface roughness in electrical discharge turning method





Date: <b>10.02.2024</b> Time: <b>10.00-12:00</b>	Session Code: <b>PS05</b>	Room 2 Click to Join
Session Chair: Assoc. F	Prof. Dr. Yavuz Selim Özdemir	
Paper Code	Corresponding Author	Paper Title
icesconf-00050001	Nuray Akbulut	Biological Risk Assessment of Streptococcus agalactia Strains with Fuzzy AHP And TOPSIS Methods
icesconf-00070004	Azize Sudan Aran	Evaluating the usability of e-commerce websites in Turkey
icesconf-00560037	Nisa Yeliz Şireci	Green Supply Chain Management: Strengthening Environmental Sustainability with Promethee and Fuzzy Methods
icesconf-01200109	Sinan Çizmecioğlu	Sustainable supplier selection during micro crises in the manufacturing industry: An application for the automotive spare parts industry
icesconf-00380101	Abdullatif Tunçay	Prioritizing Personnel Selection Criteria in Research Institutions: A BWM Case Study
icesconf-00280014	Yunus Yalman	Determination of Battery Energy Storage System Location and Capacity for Congestion Management
icesconf-00710044	Aysegul Koşak	A Prioritization Analysis for UAV s in Disaster Response
icesconf-01210111	Yavuz Selim Özdemir	Supply Chain Performance Measurement by Using Fuzzy MCDM and an Application





Date: <b>10.02.2024</b> Time: <b>10.00-12:00</b>	Session Code: <b>PS06</b>	Room 3 Click to Join
Session Chair: Assist. P	Prof. Dr. Mesut Ünlü	
Paper Code	Corresponding Author	Paper Title
icesconf-00060018	Müjde Erol Genevois	Risk Prediction Using Machine Learning from Health Data: Hepatitis C
icesconf-00800062	Mert Akin Insel	Wind Power Forecasting by using Advanced Artificial Neural Networks
icesconf-00410049	Zeliha Ergul Aydin	Decision Support System for Classifying E-Commerce Reviews' Informativeness via Machine Learning
icesconf-00980081	Şerafettin Güngör	Estimation of Biocrude Oil Yield by Machine Learning
icesconf-01160105	Cansu Çalışkan	Performance Comparison of Machine Learning Methods for
		Predicting Risk of Pancreatic Cancer from Disease Trajectories
icesconf-00320031	Betül Kara	Cancer classification from skin whole slide images
icesconf-00670042	Semih Yilmaz	Blockchain Technology in Recycling Electric Vehicle Batteries
icesconf-00940080	Buşra Baytur	Identifying influential individuals in social networks: an example of a location-based online social network





Date: <b>10.02.2024</b> Time: <b>10.00-12:15</b>	Session Code: <b>PS07</b>	Room 4 Click to Join
Session Chair: Assist. F	Prof. Dr. Ekrem Çağlar Yılmaz	
Paper Code	Corresponding Author	Paper Title
icesconf-00390021	Alp Özdemir	Çimento Üretiminin Çevresel Etkilerinin Yaşam Döngüsü Analizi (LCA) Yöntemi ile Değerlendirilmesi
icesconf-00600038	Meric Cetin	Evrişimli Sinir Ağları Kullanarak Beyin Tümörü Sınıflandırması
icesconf-00860077	Savaş Tunçer	Akciğer Kanseri Tespitinde Sınıf Aktivasyon Haritaları Kullanarak Açıklanabilir Derin Öğrenme Modeli ve Radyolog Değerlendirmesi
icesconf-00110006	İbrahim Ethem Selçuk	Krank-Biyel ve Testere Mekanizmalı Kuvvet Aktuatörlerin Dinamik Performanslarının Karşılaştırılması
icesconf-00550041	Murat Kizilirmak	Dijital Sağlik Hizmetlerinin Hukuksal Açidan Değerlendirilmesi
icesconf-00890075	Sedat Sönmez	Doğal Dil İşleme ve Makine Öğrenmesi Yöntemleri ile Udemy Yorumları İçin Duygu Analizi
icesconf-00880082	Mustafa Sağlam	Globoid Dişli Sistemleri İçin Alternatif Dişli Malzemelerinin İncelenmesi
icesconf-00230052	Özgür Akıncı	Polinomlara Dayalı Yaklaşımlarla Sayısal Entegrasyon İfadelerinin Üretilmesi, Değerlendirilmesi ve Dokümantasyonu
icesconf-00240056	İbrahim Uğur Yılmaz	Sonlu Fark Yaklaşımlarıyla Sayısal Türev İfadelerinin Üretilmesi, Değerlendirilmesi ve Dokümantasyonu





Date: <b>10.02.2024</b> Time: <b>10.00-12:00</b>	Session Code: <b>PS08</b>	Room 5 Click to Join
Session Chairs: Merve	KAYACI ÇODUR and Çağrı Dala	
Paper Code	Corresponding Author	Paper Title
icesconf-00820066	Aybüke Atak	Planning Exam Dates with Integer Programming for Maximum Students Success
icesconf-01080094	Dursun Emre Epcim	Optimal and Fair Personnel Scheduling with a 0-1 Integer Programming: The Case of Gaziantep Municipality
icesconf-00960084	Emre Güler	A Review of Metaheuristic Algorithm Techniques in Microgrid Energy Management
icesconf-00650093	Hakan Çakmak	Investigation of damage caused by a rocket hit by air defense systems
icesconf-00990087	Serhat Cemal Garip	Modal analysis and mechanical optimisation of honeycomb UAV wings
icesconf-00650085	Hakan Çakmak	Linear Buckling Optimization of Composite Plate in UAV Wing with Multi Objective Genetic Algorithm
icesconf-00660039	Buğra Üvez	Optimization Of Overcharge And Overdischarge Protection In Battery Management Systems
icesconf-00770098	Merve Kayaci Çodur	Advancing Environmental Sustainability: CO2 Emission Models in Türkiye with Cuckoo Search Algorithm





Date: <b>10.02.2024</b> Time: <b>13.00-15:00</b>	Session Code: <b>PS09</b>	Room 1 Click to Join
Session Chair: Assoc. F	Prof. Dr. Yavuz Selim Özdemir	
Paper Code	Corresponding Author	Paper Title
icesconf-00330020	Nazlıhan Kiliçaslan	Planning The Design of An Innovative Life Support Unit For Patients With Heart Failure
icesconf-01030092	Muhammed Onur Karamuk	Telehealth from a patient perspective
icesconf-00420024	Melda Kevser Akgün	A Review on Mobile Health Application Rating Scales
icesconf-00930079	Gizem Nur Öngel	Development of a Thermosensitive Drug Delivery System by RAFT Controlled Polymerization
icesconf-00570054	Ayşe Gül Halici	Microplastics Detection and Removal in Wastewater Treatment Plants
icesconf-01050096	Nur Sena Ertem	Towards a Greener City: Enhancing Urban Mobility with Gaziray and Feeder Line Solutions
icesconf-00690055	Sevda Esma Darama	Tobacco and discarded cigarette butts hydrochars as a recycled material for dye adsorption
icesconf-00730045	Ahmet Aktürk	Simulation of a Cylindrical Li-ion Battery to Predict the Temperature Variation by the NTGK Model Approach
icesconf-01170108	Izzet Turker	Antioxidant and Anti-Inflammatory Properties of Plant-Derived Bioactive Peptides





Date: <b>10.02.2024</b> Time: <b>13.00-15:00</b>	Session Code: <b>PS10</b>	Room 2 Click to Join	
Session Chair: Hudayi Ercoskun and Çağrı Dala			
Paper Code	Corresponding Author	Paper Title	
icesconf-00210009	Hudayi Ercoskun	Trace Element Contents of Gourmet and Natural Salts	
icesconf-00250010	İsmail Dabanlı	Probabilistic Drought Evaluation in Türkiye	
icesconf-00260011	Kerem Keskin	Last Ten Years of Cyber Forensics	
icesconf-00290012	Züleyha Irmak	Artificial Intelligence And Ethics	
icesconf-00300013	Ugur Guven Adar	AUTOMIND: How "Auto" is the Automobile? A Review on Human- Autonomous Vehicle Interaction	
icesconf-00370023	Metin Oktay Boz	Document Clustering with K-Means Algorithm	
icesconf-00370040	Metin Oktay Boz	An investigation on the execution of the document clustering process on internet news.	
icesconf-00380101	Abdullatif Tunçay	Prioritizing Personnel Selection Criteria in Research Institutions: A BWM Case Study	
icesconf-00210008	Hudayi Ercoskun	Low Sodium Table Salts	
	Hafzullah İŞ	System Update Vulnerabilities and Cybersecurity Threats: Mitigation Strategies for a Resilient Infrastructure	





Date: <b>10.02.2024</b> Time: <b>13.00-15:00</b>	Session Code: <b>PS11</b>	Room 3 Click to Join		
Session Chair: Tuğrul Akyol and Serim Gençaslan				
Paper Code	Corresponding Author	Paper Title		
icesconf-00810063	Tuğrul Akyol	Economic Analysis Of Waste Heat Utilization With Heat Pump Systems In Geothermal District Heating Systems		
icesconf-00900083	Tamer Calisir	Flow And Heat Transfer Behavior Of Impinging Jets With Elliptic Air- Augmented Ducts Of Various Aspect Ratios		
icesconf-00910089	Nadia Alsabbagh	Detection Of The Network Intrusion Traffic Using DI		
icesconf-01000088	Emre Ulutuncel	Thermal Aging Behaviors Of Insulating Resins For Electrical Engines		
icesconf-01020091	Göksel Gokkus	Mppt Control Of A Solar Water Pump Driver Under Sudden Changes In Solar Irradiation Conditions.		
icesconf-00750051	Yildiz Gizem Yazici	Comprehensive Approach For Prioritizing Weaknesses In Strategic Planning Of A Public Sector Institution Responsible For Water Resources Management		
icesconf-01130100	Betül KILINÇ	Modelling Production Processes With A Multi Criteria Decision Making Approach: Using The Methods Of Swara And Waspas		
icesconf-00810064	Tuğrul Akyol	Determination Of Optimum Capacity Of Heating Support For Geothermal District Heating Systems		





Date: <b>10.02.2024</b> Time: <b>13.00-15:00</b>	Session Code: <b>PS12</b>	Room 4 Click to Join		
Session Chair: Tamer İnce				
Paper Code	Corresponding Author	Paper Title		
icesconf-00340017	Tuğba Elvan	Kızlar (Eyyubi) Cami Anıt Eserinin Taşıma Yolu Güzergâhı Esnek Üstyapısı Örneğinde Sonlu Elemanlar Yöntemini Kullanarak Inceleme Ve Uygulamaları		
icesconf-00360050	Şahin Sözen	Yiğma Bir Yapinin Sismik Performansinin Değerlendirilmesi: Amasya Çilehane Camii Ve Külliyesi		
icesconf-00450026	Galip Kurtal	Hatay Ilinde Wasp Programı Ile Rüzgar Potansiyeli Hesaplama		
icesconf-00470030	Arif Canbuldu	If Çelikleri Ve Endüstriyel Kullanım Alanları		
icesconf-00780060	Gül Uslu	Mermer Kesme Fabrikasında Meydana Gelen Iş Kazasının Balik Kilçiği Yöntemi Ile Kök Neden Analizi		
icesconf-00790057	Mustafa Tombul	Farkli Katman Kompozisyonlarında Aramid, Cam Ve Karbon Fiber Kompozit Malzemelerin Bomba Uzmanı Elbisesi Üzerindeki Darbe Derinliğinin Nümerik Ve Balistik Incelenmesi		
icesconf-00400022	Taner Ince	Sparse Unmixing With Nonconvex Regularization And Total Variation		
icesconf-00760073	Safa Hacıkamiloğlu	Approaches To Prevent Food Waste And Utilization Of Waste Into Agricultural Production		