

# **4th INTERNATIONAL CANKAYA SCIENTIFIC STUDIES CONGRESS**

**September 7-9, 2024 / Ankara-TÜRKİYE**



**EDITOR**

**Res. Asst. Gamze TURUN**

**ISBN: 978-625-8254-58-7**

<https://www.izdas.org/cankaya>

# **4th INTERNATIONAL CANKAYA SCIENTIFIC STUDIES CONGRESS**

**September 7-9, 2024 / Ankara-TÜRKİYE**

**THE PROCEEDINGS BOOK**

**EDITOR**

**Res. Asst. Gamze TURUN**

All rights of this book belong to IKSAD. Without permission can't be duplicate or copied.

Authors are responsible both ethically and juridically

IKSAD Publications – 2024 ©

Issued: 25.09.2024

ISBN: 978-625-8254-58-7

Bu Kitabın Tüm Hakları IKSAD Yayınevi'ne aittir.

Yazarlar etik ve hukuki olarak eserlerden sorumludurlar.

IKSAD Yayınevi – 2024 ©

Yayın Tarihi: 25.09.2024

ISBN: 978-625-8254-58-7

# CONGRESS ID

## CONGRESS TITLE

4th INTERNATIONAL CANKAYA SCIENTIFIC STUDIES CONGRESS

## DATE and PLACE

September 7-9, 2024 / Ankara-TÜRKİYE

## Congress Organizing Board

Prof. Dr. Salih ÖZTÜRK- Tekirdağ Namık Kemal University  
Prof. Dr. Ebülfet PELENGOV - Azerbaijan State Pedagogical University  
Assoc. Prof. Dr. Hüseyin ERİŞ- Harran University  
Assoc. Prof. Dr. Ayşe ERKMEN- Gaziantep University  
Assoc. Prof. Dr. Hacer KAYA- Gumushane University  
Assoc. Prof. Dr. Hakan ÇETİNER- Gazi University  
Assoc. Prof. Dr. Tülin KARTAL GÜNGÖR- Ankara Hacı Bayram Veli University  
Dr. Ethem İlhan ŞAHİN - Adana Alparslan Türkeş Science and Technology University  
Dr. Mehriban EMEK - Adiyaman University  
Dr. Serkan GÜN- Siirt University

## COORDINATOR

Gönül EDEŞLER  
Neslihan BALCI

**NUMBER of ACCEPTED PAPERS - 192**

**NUMBER of REJECTED PAPERS – 20**

## PARTICIPANTS COUNTRY

**Türkiye-78, Albania-2, Algeria-4, Azerbaijan-5, Bangladesh-2, Canada-1, Ecuador-1, Georgia-1, Hungary-1, India-41, Indonesia-1, Iran-4, Jordan-1, TRNC-1, Kosovo-2, Malaysia-1, México-2, Moldova-2, Morocco-2, Nigeria-12, Oman-1, Pakistan-13, Poland-1, Romania-6, Saudi Arabia-3, Serbia-2, Ukraine-2**

4th INTERNATIONAL CANKAYA SCIENTIFIC STUDIES CONGRESS  
September 7-9, 2024 / Ankara-TÜRKİYE  
(THE PROCEEDINGS BOOK)  
<https://www.izdas.org/cankaya>

## SCIENCE AND ADVISORY BOARD

Prof. Dr. Ayslu B. SARSEKENOVA - Orleu National Development Institute  
Prof. Dr. Necati DEMİR - Gazi University  
Prof. Dr. Ebülfet PELENGOV - Azerbaijan Pedagogy University  
Prof. Dr. Memet ŞAHİN - Gaziantep University  
Assoc. Prof. Dr. Svitlana TARASOVA - V. N. Karazin Kharkiv National University  
Assoc. Prof. Dr. Froilan MOBO - Philippine Merchant Marine Academy  
Assoc. Prof. Dr. Cavit POLAT - Kahramanmaras Sütçü İmam University  
Assoc. Prof. Dr. Güray ALPAR- Geopoitical Foresight Institute  
Assoc. Prof. Dr. H. Burçin HENDEN ŞOLT - Zonguldak Bulent Ecevit University  
Assoc. Prof. Dr. Ümit AYATA - Bayburt University  
Assoc. Prof. Dr. Mehmet Emin KALGI - Ardahan University  
Assoc. Prof. Dr. N. Gamze YÖRÜK - Dokuz Eylul University  
Assist. Prof. Dr. Murat KIRANŞAN - Gümüşhane University  
Assist. Prof. Dr. Tayyip ÖZCAN - Erciyes University  
Dr. Damezhan SADYKOVA - Kazakh Girls' State Pedagogical University  
Dr. Mariam S. OLSSON - Labanise University  
Dr. WU Yicheng - Minzu University  
Dr. Mohammed Shoaib KHAN - Pak Turk Maarif School  
Dr. Emin GİTMEZ - İnönü Üniversitesi  
Dr. Sera İFLAZOĞLU - Middle East Technical University  
Dr. Osman OKUYUCU - Namik Kemal University

# 4<sup>th</sup> INTERNATIONAL CANKAYA SCIENTIFIC STUDIES CONGRESS

September 7-9, 2024 / Ankara-TÜRKİYE



**Meeting ID: 860 5266 6988**

**Passcode: 070809**

Join Zoom Meeting

<https://us02web.zoom.us/j/86052666988?pwd=wctQbdmlSUXp12jSodPr4GPrR5vnFk.1>

## **Participant Countries: 27 countries**

Türkiye, Albania, Algeria, Azerbaijan, Bangladesh, Canada, Ecuador, Georgia, Hungary, India, Indonesia, Iran, Jordan, TRNC, Kosovo, Malaysia, México, Moldova, Morocco, Nigeria, Oman, Pakistan, Poland, Romania, Saudi Arabia, Serbia, Ukraine

4th INTERNATIONAL CANKAYA SCIENTIFIC STUDIES CONGRESS

September 7-9, 2024 / Ankara-TÜRKİYE

(THE PROCEEDINGS BOOK)

<https://www.izdas.org/cankaya>

### **Önemli, Dikkatle Okuyunuz Lütfen**

- ❖ Kongremizde Yazım Kurallarına uygun gönderilmiş ve bilim kurulundan geçen bildiriler için online (video konferans sistemi üzerinden) sunum imkanı sağlanmıştır.
- ❖ Online sunum yapabilmek için <https://zoom.us/join> sitesi üzerinden giriş yaparak “Meeting ID or Personal Link Name” yerine ID numarasını girerek oturuma katılabilirsiniz.
- ❖ Zoom uygulaması ücretsizdir ve hesap oluşturmaya gerek yoktur.
- ❖ Zoom uygulaması kaydolmadan kullanılabilir.
- ❖ Uygulama tablet, telefon ve PC’lerde çalışıyor.
- ❖ Her oturumdaki sunucular, sunum saatinden 5 dk öncesinde oturuma bağlanmış olmaları gerekmektedir.
- ❖ Tüm kongre katılımcıları canlı bağlanarak tüm oturumları dinleyebilir.
- ❖ Moderatör – oturumdaki sunum ve bilimsel tartışma (soru-cevap) kısmından sorumludur.

### **Dikkat Edilmesi Gerekenler- TEKNİK BİLGİLER**

- ◆ Bilgisayarınızda mikrofon olduğuna ve çalıştığına emin olun.
- ◆ Zoom’da ekran paylaşma özelliğine kullanabilmelisiniz.
- ◆ Kabul edilen bildiri sahiplerinin mail adreslerine Zoom uygulamasında oluşturduğumuz oturuma ait ID numarası gönderilecektir.
- ◆ Katılım belgeleri kongre sonunda tarafınıza pdf olarak gönderilecektir
- ◆ Kongre programında yer ve saat değişikliği gibi talepler dikkate alınmayacaktır

### **Önemli, Xahiş edirik diqqətlə oxuyasınız**

- ❖ Konfransımızda Yazı Qaydalarına uyğun göndərilmiş və elmi komissiyadan keçən məruzələr üçün online (video konfrans şəklində) çıxış imkanı veriləcəkdir.
- ❖ Online məruzə üçün <https://zoom.us/join> linki üzərindən daxil olaraq “Meeting ID or Personal Link Name” yerinə ID nömrəsinə daxil olaraq konfransa qoşula bilərsiniz.
- ❖ ZOOM tətbiqi pulsuzdur və yeni hesab açmağa ehtiyac yoxdur
- ❖ ZOOM tətbiqi qeydiyyatdan keçmədən istifadə edilə bilər
- ❖ Tətbiq planşet, telefon və kompüterlərdə mümkündür
- ❖ Hər iclasda məruzəçilər məruzə saatından 5 dəqiqə əvvəl konfransa bağlanmış olmaları lazımdır
- ❖ Bütün konfrans iştirakçıları canlı qoşularaq bütün məruzələri izləyə bilərlər.
- ❖ Moderator – iclasdakı çıxış və elmi diskussiyalar (sual-cavab) hissəsindən məsuldurlar

### **Nəzər Yetirilməsi Vaxib Olanlar – TEXNİKİ BİLGİLƏR**

- ◆ Kompüterlərinizdə mikrafon olduğuna və saz vəziyyətdə olmasına əmin olmalısınız.
- ◆ ZOOM-da ekran paylaşma xüsusiyyətini bacarmalısınız
- ◆ Qəbul edilən məqalə sahiblərinin mail adresinə ZOOM tətbiqindəki linkə aid ID nömrəsi göndəriləcəkdir.
- ◆ Sertifikatlar konfransdan sonra sizlərə PDF olaraq göndəriləcəkdir.
- ◆ Konfrans programında yer və saat dəyişikliyi kimi tələblər nəzərə alınmayacaqdır.

### **IMPORTANT, PLEASE READ CAREFULLY**

- ❖ To be able to attend a meeting online, login via <https://zoom.us/join> site, enter ID “Meeting ID or Personal Link Name” and solidify the session.
- ❖ The Zoom application is free and no need to create an account.
- ❖ The Zoom application can be used without registration.
- ❖ The application works on tablets, phones and PCs.
- ❖ The participant must be connected to the session 5 minutes before the presentation time.
- ❖ All congress participants can connect live and listen to all sessions.
- ❖ Moderator is responsible for the presentation and scientific discussion (question-answer) section of the session.

### **Points to Take into Consideration - TECHNICAL INFORMATION**

- ◆ Make sure your computer has a microphone and is working.
- ◆ You should be able to use screen sharing feature in Zoom.
- ◆ Attendance certificates will be sent to you as pdf at the end of the congress.
- ◆ Requests such as change of place and time will not be taken into consideration in the congress program.

<b>Session-1 / Hall-1</b> <b>07.09.2024 / 11:00-13:00 (Ankara Local Time)</b> <b>Moderator: Emre AVCI</b> Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Sema BEKLER Sabit MENTEŐE	Munzur University	REVIEW OF STUDIES ON ART AND GIFTED TALENT USING BIBLIOMETRIC ANALYSIS METHOD
Pınar SAVAŐTÜRK	Kırlareli University	COMPARISON OF GUETZLI AND WEBP IMAGE COMPRESSION TECHNIQUES
Emre AVCI	Duzce University	COMPARISON OF PWM METHODS FOR SINGLE-PHASE SINGLE-STAGE BOOST-TYPE SPLIT SOURCE INVERTER
Mutlu OKCU	Ardahan University	A NUMERICAL STUDY ON PERFORMANCE AND EMISSIONS OF A DIESEL ENGINE FUELLED WITH ETHANOL/BUTANOL AND OCTANE
Volkan Can Bacaksız Oğuz Altun	Yıldız Technical University	ENHANCING AUTOMATED PIXEL ART CHARACTER CREATION WITH DCGAN
Osman DİKMEN	Duzce University	ADVANCED MACHINE LEARNING APPROACHES FOR ROBUST ATTACK DETECTION IN WIRELESS SENSOR NETWORKS
Mısra YAPICILAR Alper Ertuğrul BAKAN Abdulkadir ALICI	Civil Aviation College	EFFICIENCY OF AVIATION CLUBS IN TURKEY

<b>Session-1 / Hall-2</b> <b>07.09.2024 / 11:00-13:00 (Ankara Local Time)</b> <b>Moderator: Oğuzhan UZUN</b>		
Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Osman PERÇİN Oğuzhan UZUN	Necmettin Erbakan University Cankiri Karatekin University	COMPRESSION PROPERTIES OF LAMINATED VENEER LUMBERS REINFORCED BY CARBON FIBER
Osman PERÇİN Oğuzhan UZUN	Necmettin Erbakan University Cankiri Karatekin University	BONDING STRENGTH OF LAYERED WOODS REINFORCED BY CARBON FIBER AND GLASS FIBER
Ayşegül KOÇ ÜNLÜSOY	Yozgat Bozok University	USE OF CARTOONS AS TOOLS IN ARCHITECTURAL CONSERVATION EDUCATION – Example of Istanbul Guards Movie
Nurgül GÜNEŞ Yelda DURGUN ŞAHİN	Alparslan Türkeş University of Science and Technology	EVALUATION OF SPACE ACCESSIBILITY RESTRICTION/POSSIBILITIES ACCORDING TO USER GROUPS IN COURTHOUSE BUILDINGS: A CASE OF ADANA COURTHOUSE
Ozan BEBEK	Bilecik Seyh Edebali University	THE INTEGRATION OF 3D PRINTING TECHNOLOGY IN CERAMIC MOLD PRODUCTION: A TECHNOLOGICAL AND CREATIVE EXPLORATION
Zeynep Ceran KEÇİCİ	Mimar Sinan Fine Arts University	A FOUNTAIN PROJECT PREPARED IN HONOR OF THE 25TH ANNIVERSARY OF SULTAN ABDULHAMID II'S CÜLUS: THE DILARA FOUNTAIN

<b>Session-1 / Hall-3</b>		
<b>07.09.2024 / 11:00-13:00 (Ankara Local Time)</b>		
<b>Moderator: EBÜLFƏZ EZİMLİ</b>		
Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
<b>AUTHOR(S)</b>	<b>AFFILIATION</b>	<b>TITLE</b>
EBÜLFƏZ EZİMLİ	Nakhchivan State University	CONTEMPORARY AZERBAIJAN POETRY: POET MAHIRA NAGIGIZI AND THE HOMELANDS OF THOSE WHO HAVE BEEN EXPELLED
EBÜLFƏZ EZİMLİ	Nakhchivan State University	LITERARY MERIDIAN HORIZONS IN THE TURKISH WORLD: HUMAN AND SPACE MOTIVES IN ANATOLIA AND RUMELI POETS
Berna COŞKUN ONAN Ömür GÖKTEPELİLER	Uludag University Bartın University	NETNOGRAPHY AS A CURRENT QUALITATIVE RESEARCH METHOD: A SYSTEMATIC REVIEW IN WOS AND TRDIZIN
Barış BEKLER	Munzur University	(REVIEW OF STUDIES ON DIGITAL TRANSFORMATION OF ART)
Uğur TÜRKMEN Tolga ÜRÜN	Canakkale Onsekiz Mart University National Defense University	MUSIC IN BATTLES OF GALLIPOLI RESEARCH AND LITERATURE
Ayten MEHDİYEVA	Azerbaijan State Pedagogical University	WILHELM OF ORANGE'S ROLE IN ENDING CATHOLIC ANIAS IN THE NETHERLANDS
Yaşar SEMİZ Tuba ELMAS	Selçuk University Trakya University	1949 INDUSTRIAL EXHIBITION

<b>Session-1 / Hall-4</b> <b>07.09.2024 / 11:00-13:00 (Ankara Local Time)</b> <b>Moderator: Karthika Natarajan</b> Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Faruku Muhammad Aliero Hassan Umar Suru Muhammad Garba	Kebbi State University	EVALUATING SIGN-UP AND SIGN-IN PERFORMANCE IN CODEIGNITER AND CAKEPHP WITH APACHE JMETER
Karthika Natarajan John Samuel Jael Hephzibah	Vellore Institute of Technology	THE ROLE OF AI AND DATA SCIENCE IN SHAPING THE FUTURE OF EDUCATION
Igor Dobraca Nada Poropat Jeletic	Juraj Dobrila University	INTEGRATING GAMIFICATION INTO CROATIAN CURRICULAR EDUCATION: LOCALIZATION AND TRANSLATION OF THE MULTI-PLATFORM EDUCATIONAL SOFTWARE PACKAGE GCOMPRIS
Senior lecturer Nataliya DUBNEVYCH Natalia HORODETSKA Natalia HAVRYSHKIV	Lviv National Environmental University	UTILIZING METAVERSE TOOLS AND METHODS IN UNIVERSITY-LEVEL ENGLISH LANGUAGE TEACHING
Lakshmi V Kumar J	VIT AP University	DYNAMIC RESOURCE ALLOCATION IN NETWORK CONTROL SYSTEMS USING REINFORCEMENT LEARNING FOR IMPROVED QUALITY OF SERVICE
Madaboina Ramesh John Pradeep	VIT AP University	AN INVESTIGATION OF SOCIAL MEDIA CYBERSECURITY -A SOPHISTICATED MODEL
Odu, Adejare Samuel Aluko, Tolulope Abayomi	Federal Polytechnic Ilaro	APPLICATION OF CIPP MODEL TO BROADCAST MEDIA EVALUATION
Samet AKARÇEŞME Mehmet Onur GENÇ	Bursa Technical University	COMPREHENSIVE ANALYSIS OF THE IMPACT OF GRAPHENE-REINFORCED THREE-PHASE COMPOSITE FABRICS ON THE STRUCTURAL INTEGRITY OF AIRCRAFT LANDING GEAR

<b>Session-1 / Hall-5</b> <b>07.09.2024 / 11:00-13:00 (Ankara Local Time)</b> <b>Moderator: K.R.Padma</b> Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
<b>Jamila Musa Kankara</b>	Hassan Usman Katsina Polytechnic	EMERGING APPLICATIONS OF INORGANIC CHEMISTRY IN ENVIRONMENTAL REMEDIATION AND SUSTAINABILITY – REVIEW
<b>Akbar Ali Muhammad Zia ul Mustafa Kainat Zohra Muhammad Waqar ul Fateh Muhammad Ibrahim</b>	Government College University Faisalabad	ATTEMPTS TO RENEW PYRIMETHAMINE (A RESISTIVE ANTIMALARIAL DRUG) VIA CO-CRYSTALLIZATION TECHNIQUE
<b>Selva BILGE</b>	Ankara University	PHYSICOCHEMICAL AND ELECTROCHEMICAL CHARACTERIZATION OF V <sub>2</sub> O <sub>5</sub> PARTICLES FOR THEIR POTENTIAL USE IN ELECTROCHEMICAL APPLICATIONS
<b>LADOUALI Sabrina SAKAA Bachir CHAFFAI Hicham</b>	Badji Mokhtar Annaba University	USING EXTREME MACHINE LEARNING AND VARIATIONAL MODE DECOMPOSITION TO PREDICT THE DROUGHT INDEX FOR THE AIN EL-HADJEL STATION IN THE HODNA BASIN
<b>Saiqa Andleeb Rimsha Riaz Iqra Riaz</b>	The University of Azad Jammu & Kashmir	PRE-SCREENING AND EVALUATION OF PATHOGENIC CHARACTERISTICS OF COW DUNG-ASSOCIATED BACTERIA
<b>K.R.Padma K.R.Don</b>	Sripadmavati Mahila Vidyalyayam (Women's University) Bharath Institute of Higher Education and Research (BIHER) Bharath University	MECHANISMS OF ACTION OF AN ALL-NATURAL REMARKABLY BIOACTIVE COMPOUND AGAINST ILLNESSES ASSOCIATED WITH LIFESTYLE AND IN CANCER PREVENTION
<b>Dr. Shafa Iman Mamoon Ur Rasheed Zonish Mirza Ayesha Khan</b>	Government College University	EVALUATION OF PHYSICOCHEMICAL PROPERTIES OF OIL, THE NUTRITIONAL EXAMINATION OF AND SUBACUTE TOXICITY OF PAKISTANI MANGIFERA INDICA L SEED
<b>Ahmad Abubakar Ahmad Salisu Abubakar Sani</b>	Umaru Musa Yar'adua University	BIOACTIVE MARINE NATURAL PRODUCTS OBTAINED FROM SPONGES, RED ALGAE, GREEN ALGAE, SPONGES, MARINE BACTERIA AND MARINE FUNGI
<b>Laura Lizeth Tovar-Rosales Javier Andrés Juárez Díaz Kalpana Nanjareddy Manoj-Kumar Arthikala</b>	National Autonomous University of Mexico (UNAM)	EXPLORING SALT TOLERANCE: A COMPARATIVE STUDY OF MESOAMERICAN WILD BEAN VERSUS CULTIVATED NEGRO JAMAPA

<b>Session-2 / Hall-1</b> <b>07.09.2024 / 13:30-15:30 (Ankara Local Time)</b> <b>Moderator: Cem ÖZKURT</b>	
Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809	

AUTHOR(S)	AFFILIATION	TITLE
FigenÜZEL İmam Bakır ARABACI	Firat University	LEADERSHIP BEHAVIORS OF SCHOOL ADMINISTRATORS
Yağmur Suzan SÖNMEZ	Girne American University	BIOLOGY WITH MIND MAPS TEACHING
Elif KANDAŞ AVCI Sevinç DEMİR KAYA	Dumlupınar University	EVALUATION OF TEACHERS' VIEWS ON THE IMPACT OF EARLY LITERACY AWARENESS ACTIVITIES CONDUCTED BY PRESCHOOL EDUCATION TEACHERS AT THE EARLY LITERACY CENTRE ON THE EDUCATIONAL PROCESS
İsmail KARAKUŞ	Mersin University	MOTIVATIONS OF UNIVERSITY STUDENTS TOWARDS DISTANCE LEARNING
Cem ÖZKURT	Trabzon University	MODERN CULTURAL TENSIONS IN SIMMEL'S PRACTICAL SOCIOLOGY

<b>Session-2 / Hall-2</b> <b>07.09.2024 / 13:30-15:30 (Ankara Local Time)</b> <b>Moderator: Firuze İrem ARAZ</b>		
Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Gabriel Enrique Sánchez Ramirez	Ankara University	RICHARD WAGNER AND THE THIRD REICH: THE SOUNDTRACK OF NAZISM
İsa KASUM	Ankara University	NORTH MACEDONIA'S AND GREECE'S DISPUTE RESOLUTION PROCESS AND PRESPA AGREEMENT: IDENTITY CONFLICT? RATIONAL ACTOR APPROACH?
İkbal KILIÇ	Ankara University	HOW CAN JOSEPH NYE'S CONCEPT OF SOFT POWER BE EVALUATED THROUGH THE RUSSKIY MIR FOUNDATION?
Firuze İrem ARAZ	Ankara University	GEOPOLITICAL ASPECTS OF THE RUSSIA- UKRAINE WAR
Gamzenur DÜZCAN	Istanbul University	CARBON ECONOMY AND SUSTAINABLE DEVELOPMENT: IMPACTS ON FORESTRY IN TÜRKİYE

<b>Session-2 / Hall-3</b> <b>07.09.2024 / 13:30-15:30 (Ankara Local Time)</b> <b>Moderator: Güray ALPAR</b>		
Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Rumeysa MÜJDECİ	International Islamic University	TURKIYE RELATIONS WITH ASEAN UNDER ASIA NEW INITIATIVE
Güray ALPAR	President of the Geopolitical Forecasting Institute	HOW SHOULD A CORRECT GEOPOLITICAL ASSESSMENT BE MADE?
İbrahim Furkan ŞEN	Geopolitical Foresight Institute	TURKISH SHIELD: STEEL DOME
Mustafa ÇANA	---	THE EFFECT OF MIGRATION ON THE SECURITY OF COUNTRIES IN TERMS OF GEOPOLITICS

<b>Session-2 / Hall-4</b> <b>07.09.2024 / 13:30-15:30 (Ankara Local Time)</b> <b>Moderator: Jonida Bushi</b> Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Moses Adeolu AGOI Oluwakemi Racheal OSHINOWO Benjamin Johnson OLASIJU Solomon Abraham UKPANA	Lagos State University	THE SIGNIFICANCE, APPLICATION AND IMPACT OF INTERNET OF THINGS (IoT) ON INNOVATIVE TEACHING AND LEARNING: A SURVEY ON EDUCATIONAL DEVELOPMENT
Oluwakemi Racheal OSHINOWO Moses Adeolu AGOI Benjamin Johnson OLASIJU Solomon Abraham UKPANA	Lagos State University	THE IMPORTANCE AND IMPLEMENTATION OF HUMAN- COMPUTER INTERACTION IN EDUCATION: A SURVEY ON EVOLVING INNOVATIONS IN CLASSROOM MANAGEMENT
Ananda Majumdar	University of Alberta	UNLOCKING POTENTIAL: THE TRANSFORMATIVE POWER OF ACADEMIC WRITING
Elif AYDIN YAZICI	Trabzon University	TRANSFORMING EFL WRITING INSTRUCTION THROUGH FLIPPED CLASSROOM PEDAGOGY: CHALLENGES AND SUCCESSES
Jonida Bushi Arsilda Aliaj	University of Tirana	SELF-EVALUATION IN LANGUAGE ACQUISITION: A KEY TO EFFECTIVE LEARNING
Bushra Sumaiya	Integral University	PRE-SERVICE TEACHERS' PERCEPTIONS OF AI INTEGRATION IN ENHANCING TEACHER EDUCATION PROGRAMS

<b>Session-2 / Hall-5</b> <b>07.09.2024 / 13:30-15:30 (Ankara Local Time)</b> <b>Moderator: Saista Tabssum</b> Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Muharrem KEYFOĞLU Ayberk Salim MAYIL	Haier Europe Research and Development Center	EVALUATING IMPACT RESISTANCE AND FRAGMENTATION BEHAVIOR IN TEMPERED GLASS FOR GAS HOBS: A NUMERICAL APPROACH
Ayben CENGİZ Ayberk Salim MAYIL Can UĞURELLİ Nurhan VATANSEVER Burcu KARA ER	Haier Europe Research and Development Center	STATISTICAL APPROACH TO MINIMIZE TESTING FOR ENERGY CONSUMPTION IN OVENS
Faisal Nazir	University Of Agriculture	PRODUCTION AND CHARACTERIZATION OF CARBON NANOTUBES FROM BIOCHAR UNDER MICROWAVE IRRADIATION
Kinza Zulfiqar Hafeez Anwar	University of Agriculture	IMPROVING THE EFFICIENCY OF PEROVSKITE SOLAR CELLS THROUGH SURFACE PASSIVATION USING CR <sup>3+</sup> DOPED CUGAO <sub>2</sub> AS AN INORGANIC HOLE TRANSPORT MATERIAL (HTM)
Hanane meddas Saliha bouaicha	University of Mohamed Khider	EFFECT OF ANNEALING TEMPERATURE ON OPTICAL AND ELECTRICAL PROPERTIES OF SNO <sub>2</sub> THIN FILMS SYNTHESIZED BY SOL-GEL SPIN COATING METHOD
Rasha Mol VP Amitha J Pai V. Sejjan	Kerala Agricultural University	PHYSIOLOGICAL ADAPTABILITY OF SHEEP TO HEAT STRESS
Amitha J Pai Rasha Mol VP V. Sejjan	Kerala Agricultural University	HEAT STRESS IMPACT ON GROWTH PERFORMANCE IN SHEEP
Saista Tabssum Gulam Sarwar Nadeem Ahmed	King Khalid University	TOPOGRAPHICAL EFFECTS ON WAVE SCATTERING BY RECTANGULAR BREAKWATER BACKED BY PARTIALLY REFLECTED WALL

<b>Session-3 / Hall-1</b>		
<b>07.09.2024 / 16:00-18:00 (Ankara Local Time)</b>		
<b>Moderator: Nadide GÜLBAY YİĞİTELİ</b>		
Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
<b>AUTHOR(S)</b>	<b>AFFILIATION</b>	<b>TITLE</b>
Bora ALTAY	Ankara Yıldırım Beyazıt University	EXAMINING INSTITUTIONAL EFFICIENCY THROUGH WAGE-SKILL PREMIUM IN THE OTTOMAN EMPIRE: AN EMPIRICAL ANALYSIS
Nazlı YÜCEOL Esin CAN	Istanbul Gelisim University Yıldız Technical University	RELATIONSHIP BETWEEN ENVIRONMENTAL FACTORS, RISK MANAGEMENT COMPETENCE AND PERFORMANCE WITHIN THE SCOPE OF STRATEGIC ENTREPRENEURSHIP MODEL
Nadide GÜLBAY YİĞİTELİ	Ankara University	AN EVALUATION ON GENDER IN THE LABOUR MARKET
Fergül ÖZGÜN	İstanbul Yeni Yüzyıl University	EXAMINING THE IMPACT OF DIGITALIZATION ON THE LABOR MARKET WITHIN THE CONTEXT OF "SELF-EMPLOYMENT": E7 COUNTRIES
Fatih İLHAN İbrahim GÜNEY	Istanbul METRO Inc. Istanbul Sabahattin Zaim University	ANALYSIS OF THE RELATIONSHIP BETWEEN THE LONELINESS, ALIENATION, AND STRESS LEVELS OF THE PERSONNEL WORKING UNDERGROUND IN THE URBAN RAIL SYSTEM LINES IN ISTANBUL
Erhan ÇİLOĞLU Ahmet Emre PİRİM	Recep Tayyip Erdogan University	AN ANALYSIS OF RIZE PORT'S FEATURES, ITS ROLE IN TURKISH MARITIME TRADE, AND THE POTENTIAL IMPACT OF THE İYİDERE LOGISTICS CENTER ON TURKISH COMMERCE
Muhammet KOÇAK	National Intelligence Academy	TURKEY'S ACTIVE NEUTRALITY POLICY TOWARDS THE RUSSIA-UKRAINE CONFLICT

<b>Session-3 / Hall-2</b> <b>07.09.2024 / 16:00-18:00 (Ankara Local Time)</b> <b>Moderator: Z.Gönül BALKIR</b>		
Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Z.Gönül BALKIR	Istanbul Aydin University	DIVISION OF SOCIAL WORK AND SOLIDARITY IN DURHEIM
Z.Gönül BALKIR	Istanbul Aydin University	UNDERSTANDING LAW AS A SOCIO-PSYCHIC REALITY
İrem YAYVAK NAMLI	Istanbul University	SOME SPECIAL REGULATIONS FOR EMPLOYEES WITH PART-TIME EMPLOYMENT CONTRACTS IN THE LAW NO. 5510 ON SOCIAL SECURITY AND GENERAL HEALTH INSURANCE
Aziz Serkan ARSLAN	Kırıkkale University	TRIAL PRINCIPLES APPLIED IN DIVORCE CASES
Neyire AKPINARLI	ASBU	THE PHENOMENON OF ENVIRONMENT IN CONSTITUTION OF THE AMERICAN COUNTRIES FROM EGOCENTRISM TO PACHAMAMA

<b>Session-3 / Hall-3</b> <b>07.09.2024 / 16:00-18:00 (Ankara Local Time)</b> <b>Moderator: Neslihan BALCI</b>		
Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Ersin YAVAŞ	Bartın University	MODALITY-SPECIFIC EFFECTS ON MEMORY: THE CASE OF THE REY COMPLEX FIGURE TEST
Sabit MENTEŞE Bilgin ZENGİN Hüseyin EKMEKÇİ	Kırıkkale University	(INVESTIGATION OF THE COMPETENCY LEVEL OF OCCUPATIONAL HEALTH AND SAFETY PRACTICES ACCORDING TO THE PERCEPTIONS OF WORKPLACE EMPLOYEES: THE CASE OF ANKARA WATER AND SEWERAGE ADMINISTRATION GENERAL DIRECTORATE (ASKİ))
Zülal Elnur KAYA Kezban KORAŞ SÖZEN	Niğde Ömer Halisdemir University	DIGITAL GAME ADDICTION: ITS RELATIONSHIP WITH PERCEIVED SOCIAL COMPETENCE IN TURKISH NURSING STUDENTS
Kezban KORAŞ SÖZEN Beyza Nur AYDIN	Niğde Ömer Halisdemir University	ARTIFICIAL INTELLIGENCE: ANXIETY AND ATTITUDES OF NURSING STUDENTS
Mert DURUKAN Hazel ÇELİK GÜZEL	Bandırma Onyedli Eylul University	ÜNİVERSİTE ÖĞRENCİLERİNDE DERS VE SINAV DÖNEMİ TEMPOROMANDİBULAR DİSFONKSİYON İLE MASSETER KASI BASINÇ AĞRI EŞİĞİNİN KARŞILAŞTIRILMASI: PİLOT ÇALIŞMA
Muzaffer ÇINAR	Ministry of National Education	A NEW PERSPECTIVE ON SCHOOL RISK ASSESSMENTS AND MEASURES IN VIEW OF CURRENT STATISTICS ON THE CAUSES OF MORBIDITY AND MORTALITY OF CHILDREN
A.S.İsmayılova	Scientific Research Institute of Pulmonary Diseases	GEOGRAPHIC CHARACTERISTICS OF DRUG- RESISTANT FORMS AMONG TUBERCULOSIS PATIENTS INITIALLY REGISTERED IN THE REPUBLIC OF AZERBAIJAN
Fatih BUDAK Semih ŞAHİN	Karamanoğlu Mehmetbey University	THE RELATIONSHIP BETWEEN EMOTIONAL INTELLIGENCE AND CLINICAL LEADERSHIP: AN EVALUATION SPECIFIC TO HEALTH SERVICES
Zoya Valibayova	ADPU	CHARACTERISTIC FEATURES OF THE BEHAVIOR OF A TEENAGER WHO IS DIFFICULT TO EDUCATE

<b>Session-3 / Hall-4</b> <b>07.09.2024 / 16:00-18:00 (Ankara Local Time)</b> <b>Moderator: INDULAL G</b>		
Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Zeeshan Asghar	Prince Sultan University	BIOMECHANICS OF GLIDER'S MOTION ON NON-NEWTONAIN LAYER OF SLIME
INDULAL G	St Aloysius College	MATHEMATICS - THE SILENT ARTICHECT OF MODERN WORLD
RAJA MOHAMMAD LATIF	Prince Mohammad Bin Fahd University	H-COMPACTNESS IN TOPOLOGICAL SPACES
RAJA MOHAMMAD LATIF	Prince Mohammad Bin Fahd University	H-MAPPINGS IN TOPOLOGICAL SPACES
Naheed Ali	University of Engineering	ARTIFICIAL NEURAL NETWORK SCHEME TO STUDY THE POST-MYOCARDIAL INFARCTION THROUGH MATHEMATICAL MODELING
S. N. GAJUL Ashok Nivrutti Bhavale	Modern College of Arts	AN EAR DECOMPOSITION OF A GRAPH
Lykhovyd P.V.	Institute of Climate-Smart Agriculture of NAAS	THE METHODOLOGY OF AGROECOLOGICAL LAND SUITABILITY EVALUATION FOR CROPS CULTIVATION USING REMOTE SENSING DATA
Neha Singh	MIPER Mangalyatan University	CURRENT RESEARCH SCENARIO HYPERLIPIDMIA AND ITS MANAGEMENT BY HERBS
Syeda Sabika Zahra Naqvi	University of Education	MORPHO-ANATOMICAL MODIFICATION IN WITHANIA SOMNIFERA (L.) DUNAL FROM PUNJAB, PAKISTAN: INSIGHT INTO ADAPTATION

<b>Session-3 / Hall-5</b> <b>07.09.2024 / 16:00-18:00 (Ankara Local Time)</b> <b>Moderator: Major Gheorghe GIURGIU</b> Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Major Gheorghe GIURGIU med Manole COJOCARU	Titu Maiorescu University	A LINK BETWEEN GUT MICROBIOTA AND ALZHEIMER'S DISEASE: IMPACT OF NEUROPOLEN
Major Gheorghe GIURGIU med Manole COJOCARU Georgeta SINIȚCHI	Titu Maiorescu University	THE INFLUENCE OF PLANTS ON THE MICROBIOME IN PATIENTS WITH AUTOIMMUNE DISEASES
Dhulasiraman M	R.M.K Engineering College	EMPOWERING HEALTH THROUGH IOT-DRIVEN PREDICTIVE MONITORING FOR COST-EFFICIENT CARE
Ajesh Chauhan	Hindu College	AI FOR HYPERTENSION MANAGEMENT
A.Dinesh babu G.Akash kumar E.velmurugan Dr.R.Srinivasan	R.M.K Engineering College	MYCOBACTERIUM TUBERCULOSIS DRUG RESISTANCE MECHANISMS REVIEW
Titah Nurul Lathifah Tahar Emmi Bujawati Ranti Ekasari Rimawati Aulia Insani Sadarang	Universitas Islam Negeri Alauddin Makassar	DETERMINANTS OF PULMONARY FUNCTIONAL CAPACITY IN WASTE WORKERS AT TAMANGAPA LANDFILL
Tengiz Verulava	Caucasus University	TRANSFORMING THE PUBLIC HEALTH SYSTEM IN GEORGIA: CONTEMPORARY CHALLENGES

<b>Session-1 / Hall-1</b> <b>08.09.2024 / 10:00-12:00 (Ankara Local Time)</b> <b>Moderator: Fatma Tülin ÖZBAŞER BULUT</b>		
Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Fatma Tülin ÖZBAŞER BULUT	Tekirdağ Namık Kemal University	EFFECTS ON HATCHABILITY RESULTS IN LONG-TERM EGG STORAGE OF OZONE DISINFECTION
Sema ALAŞAHAN Fatma Tülin ÖZBAŞER BULUT	Hatay Mustafa Kemal University Tekirdağ Namık Kemal University	DETERMINATION OF SOME EXTERNAL QUALITY CHARACTERISTICS OF YELLOW-FEATED QUAILS USING MATHEMATICAL MODELING
Mustafa ÇAM	Selcuk University	POSITIVE-PRESSURED VENTILATION SYSTEMS IN DAIRY CALF BARNs
Merve YÜKSEL Onur ÇİÇEK Nida SARSILMAZER Zeynep Sude ÜSTÜNKAYA Eren KAYMAK Yaşar KARADUMAN	Eskişehir Osmangazi University	DETERMINATION OF PHYSICOCHEMICAL, GLUTEN AGGREGATION AND DOUGH RHEOLOGICAL PROPERTIES OF SOME FLOURS USED IN BAGEL PRODUCTION
İrem KUZEY BAŞTÜRK Yeşim DAĞLIOĞLU	Ordu University	ANTIOXIDANT ACTIVITY OF MILK
İrem KUZEY BAŞTÜRK Yeşim DAĞLIOĞLU	Ordu University	BIOLOGICAL, CHEMICAL AND MINERAL CONTENTS OF HUMAN AND OTHER MAMMAL MILK COMPONENTS
Mirkan Emir SANCAK Ülker Diler KERİŞ-ŞEN	Gebze Technical University	REUSABILITY OF THE POTASSIUM IODIDE SOLUTION FOR O <sub>3</sub> DETERMINATION WITHOUT DEGRADATION
Serkan EKİZ	Dokuz Eylül University	IMPLICATIONS OF THE 2017 CONSTITUTIONAL AMENDMENT ON TURKEY'S DEMOCRATIC STANDARDS

<b>Session-1 / Hall-2</b> <b>08.09.2024 / 10:00-12:00 (Ankara Local Time)</b> <b>Moderator: Pavan Kumar.V</b> Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Almustapha Ahmed Bishir Usman	Umaru Musa Yar'adua University Bayero University	APPLICATION OF RESPONSE SURFACE METHODOLOGY (RSM) VIA CENTRAL COMPOSITE DESIGN (CCD), ARTIFICIAL NEURO NETWORK (ANN) AND ARTIFICIAL NEURO FUZZY INFERENCE SYSTEM (ANFIS) FOR THE ASSESSMENT OF QUALITY FOR BIOLUBRICANTS PRODUCED FROM NON-EDIBLE OIL. A COMPARATIVE IN DEPTH REVIEW.
Dr.Sundhararajan.R Mr.S.G.Raman Mrs.R.Jothilakshmi	Mohammed Sathak AJ College	MOLECULAR DOCKING OF PLANT EXTRACTS
R. Jothi Lakshmi Dr.R. Srinivasan	Bharath Institute of Higher Education and Research	PHYTOCONSTITUENTS IN NEPHROPROTECTIVE ACTIVITY
Pavan Kumar.V	Seven Hills College of Pharmacy	A STABILITY INDICATING LIQUID CHROMATOGRAPHIC ASSAY METHOD FOR THE SIMULTANEOUS DETERMINATION OF ANTI-CANCER DRUGS IN BULK AND PHARMACEUTICAL DOSAGE FORMS
Irina-Ana DROBOT	Technical University of Civil Engineering Bucharest	THE NEW DRESS BY VIRGINIA WOOLF AND THE NECKLACE BY GUY DE MAUPASSANT: A COMPARATIVE ANALYSIS
Subhashish Dey	Seshadri Rao Gudlavalleru Engineering College	UTILIZATION OF LIMESTONE POWDER AND FLY ASH IN BLENDED CEMENT: RHEOLOGY, STRENGTH AND HYDRATION CHARACTERISTICS
Yusuf Babangida Attahiru Azman Mohamed Saadatu Sani Zango Sobira Azumi	Universiti Teknologi Malaysia	A REVIEW OF THE APPLICATION OF WASTE ENGINE AND COOKING OILS ON WARM MIX ASPHALT
Aliyu Hassan	Air Force Institute of Technology	A DETAILED ANALYSIS OF HOW BASIC SCIENTIFIC PRINCIPLES INFLUENCE QUALITY OF LIFE

<b>Session-1 / Hall-3</b>		
<b>08.09.2024 / 10:00-12:00 (Ankara Local Time)</b>		
<b>Moderator: Iram Liaqat</b>		
Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Iram Liaqat	Government College University	QUORUM SENSING MONITORING AND INHIBITION IN MARINE ISOLATES BIOFILMS
Hooman Rahmati-Holasoo Amin Marandi Hosseinali Ebrahimzadeh Mousavi Sara Shokrpour Fatemeh Arabkhazaeli	University of Tehran	HISTOLOGICAL AND HISTOCHEMICAL STUDY OF MYXOBOLUS SPP. (MYXOZOA: MYXOBOLIDAE) ISOLATED FROM ORNAMENTAL GOLDFISH
E. Binuni Rebez G. Ilavarasi M. V. Silpa V. Sejian	Rajiv Gandhi Institute	NON-INVASIVE METHODS TO QUANTIFY STRESS RESPONSE
F.B. Kende D.Y. Kanya D.D. Attah I. Iliya LS. Sule	Kebbi State University	STUDY OF EIMERIA INFECTION AND RELATED RISK FACTORS IN POULTRY AND RUMINANT ANIMALS ACROSS LOCAL GOVERNMENTS IN GWANDU EMIRATE
Iliya Ibrahim Nike Tawakaltu Isyaku Victoria Ebere Ukatu	Kebbi State University	DEVELOPMENT OF FLOATING FISH FEED IN FORMULATION BY USING OF COWPEA HUSK AS A FLOATERS
Ouissal bouraoui Khaled Mesbah Rachid Benkiniouar	University Constantine 1 Algeria	SYNTHESIS AND MOLECULAR DOCKING STUDIES OF 1,4-BENZOTHAZEPINE AND DERIVATIVES
G. Ilavarasi E Binuni Rebez M.V. Silpa, V. Sejian	Rajiv Gandhi Institute	METABOLIC ADAPTATION TO HEAT STRESS CHALLENGES IN LIVESTOCK
A. Niveditha G. Kalaignazhal M.V. Silpa V. Sejian	Rajiv Gandhi Institute	BIOMARKERS FOR QUANTIFYING HEAT STRESS RESPONSE IN DAIRY CATTLE
Munish Garg Harish Dureja Kirpa Shanker Tiwari	Maharshi Dayanand University	DEVELOPMENT AND OPTIMIZATION OF METFORMIN HCL EXTENDED-RELEASE TABLETS USING INNOVATIVE TOOL TO OVERCOME SWALLOWABILITY CONCERNS

<b>Session-1 / Hall-4</b> <b>08.09.2024 / 10:00-12:00 (Ankara Local Time)</b> <b>Moderator: Selvaraj Mohana Roopan</b> Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Mar'ana Lopez Samano Kalpana Nanjareddy Manoj-Kumar Arthikala	ENES Un'idad-Le'ón, Nati'onal Autonomous Un'iversity of Mex'ico (UNAM)	MEDICAGO TRUNCATULA'DA NSLTP BENZERI PROTEINLERIN TANIMLANMASI VE INCELENMESI
Selvaraj Mohana Roopan	Vellore Inst'itute of Technology	UNVEILING THE SCOPE AND MECHANISMS OF VISIBLE-LIGHT- ACTIVATED CATALYST IN CLICK REACTIONS
Gunabalan Madhum'itha	Vellore Inst'itute of Technology	CUO-NIO-HNT BIMETALLIC COMPOSITES DERIVED FROM CARISSA EDULIS FRUIT EXTRACT FOR EFFICIENT PHOTOCATALYTIC DEGRADATION OF FOOD DYES AND ANTIBIOTIC DRUGS
Mann'ir Sanus Abubakar San	UMARU MUSA YAR'ADUA UNIVERSITY	SPECTRAL DETARMINATION OF COMPONENTS ISOLATED FROM THE ROOT OF XIMENIA AMERICANA LINN A-REVIEW
Anastasi'a Romanova	The Academy of Econom'ic Studies of Moldova Ch'is'nau	PECULIARITIES OF SOME SMELLS CODE IN MIRCEA ELIADE'S LITERATURE SPACE
Lynda FERFECHÉ Debbache Nadra Tahar SEHILI	Un'iversity of the Brothers Mentour'Constant'ine	SUPERIOR REMOVAL OF PHARMACEUTICAL POLLUTANT FROM WATER WITH A NEW PHOTOCATALYST BY AN ECO- FRIENDLY TECHNOLOGY
M.K.GANESHAN	MIET Eng'ineering College Trichy	CSR AND ESG IN INDIA: FUTURE OF SUSTAINABLE AND RESPONSIBLE GROWTH
Ashwath'A V Sabeel M Basheer	Vellore Inst'itute of Technology (VIT-AP Un'iversity)	HYDROXY NAPHTHALDEHYDE - LANTHANIDE COMPLEXES: ADVANCEMENTS IN LUMINESCENCE AND POLYMER COMPOSITE APPLICATIONS
Anup Kumar Dhanesh T'wary K.D. Mandal	Ind'ian Inst'itute of Technology (Banaras H'indu Un'iversity)	INVESTIGATION OF ELECTRICAL & DIELECTRIC PROPERTIES OF COMPLEX PEROVSKITE Gd <sub>2</sub> /3Cu <sub>3</sub> T <sub>4</sub> O <sub>12</sub> and Gd <sub>2</sub> /3Cu <sub>3</sub> T <sub>3.95</sub> Co <sub>0.025</sub> V <sub>0.025</sub> O <sub>12</sub> CERAMIC SYNTHESISED VIA NOVEL SEMIWET ROUTE

<b>Session-1 / Hall-5</b> <b>08.09.2024 / 10:00-12:00 (Ankara Local Time)</b> <b>Moderator: Raf Raf Shakil Ansari</b> Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Cristina Botilcă	---	DEATH AND POP CULTURE: MODERN INNOVATIONS IN BODY DISPOSAL AND THEIR CULTURAL IMPACT
Sandhya Rao Mehta Victoria Tuzlukova	Sultan Qaboos University	LINGUISTIC LANDSCAPE IN ENGLISH LANGUAGE TEACHING: STRATEGIES AND HANDS-ON PRACTICES
Muhammad Mudassir Nazir Syed Waseem Azhar Seemab	Islamia University Bahawalpur	A STUDY OF LANGUAGE PLANNING AND POLICIES IN PAKISTAN (1998-2017): THEORY AND PRACTICE IN ESL CONTEXT
Gargi Tyagi Raf Raf Shakil Ansari	Sharda University	DEFYING THE HIERARCHY: CASTE AND RESISTANCE IN MANORANJAN BYAPARI'S INTERROGATING MY CHANDAL LIFE
Priyadarshini Das Raf Raf Shakil Ansari	Sharda University	A WORD CALLED HOME: LAND, DISPLACEMENT, AND RESISTANCE IN MAHMOUD DARWISH'S 'I BELONG THERE'
Marinache Ramona Marinescu Valentina	University of Bucharest	MEDICAL ADVERTISING AND HUMOR
Marinescu Valentina Marinache Ramona	University of Bucharest	IMPACT OF SOUTH KOREAN WAVE IN ROMANIA
Mohammad Waheeb Abad El-Aziz Mahmoud	Hashemite University Al-Al-Bayt university	A UNIQUE PREHISTORIC ANIMAL KITES FROM AL HALABAT/ JORDAN – SOUTH LEVANT
Amirul Islam Baly Khatun Parosha Jaha Shatul Asiya Khatun Murshida Khatun	University of Rajshahi	DISCOVERING HERD MANAGEMENT AMONG THE EARLIEST PASTORAL SOCIETIES IN SOUTH ASIA: INTEGRATING SOLID ISOTOPE DATING WITH ZOO-ARCHAEOLOGICAL DATA

<b>Session-2 / Hall-1</b> <b>08.09.2024 / 12:30-14:30 (Ankara Local Time)</b> <b>Moderator: Zohaib Hassan Sain</b>	
Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809	

AUTHOR(S)	AFFILIATION	TITLE
Radoslav BALTEZAREVIĆ Ivana BALTEZAREVIĆ	Megatrend University	EFFECTS OF IN-GAME ADVERTISING ON THE WORLD ECONOMY
Radoslav BALTEZAREVIĆ Associate Professor Ivana BALTEZAREVIĆ	Megatrend University	THE ADVANTAGES OF SENTIMENT ANALYSIS DRIVEN BY ARTIFICIAL INTELLIGENCE (AI)
Monica Alina Toma	Bucharest University	JOY AND SORROW IN THE FEMININE IMAGE. A STUDY OF NICHITA STĂNESCU'S LOVE POETRY
Ishwar Mittal Aarti Rosy Dhall Mikul	Maharshi Dayanand University	EXPLORING THE IMPACT OF PERCEIVED PRODUCT QUALITY ON BRAND LOYALTY: THE MEDIATING ROLE OF CUSTOMER SATISFACTION
Ishwar Mittal Aarti Rosy Dhall Mikul	Maharshi Dayanand University	INFLUENCE OF PRODUCT AND SERVICE QUALITY ON BRAND LOYALTY IN QUICK-SERVICE RESTAURANTS
Zohaib Hassan Sain	Superior University	CHATGPT FOR POSITIVE IMPACT? EXAMINING THE OPPORTUNITIES AND CHALLENGES OF LARGE LANGUAGE MODELS IN EDUCATION
Zohaib Hassan Sain	Superior University	EXPLORING THE INTERSECTION OF SOCIOLOGY AND EDUCATION: A STUDY OF HIGHER EDUCATION IN PAKISTAN
OYETADE Oluwatoyese IBITOYE Stella Opeyemi ONYIA Ethel Chidubem	KolaDaisi University Landmark University	EMPIRICAL ANALYSIS OF DEBTS ON ECONOMIC GROWTH IN NIGERIA USING ARDL APPROACH
. Suresh Maind Swati Ingle	University of Mumbai	KEY DETERMINANTS OF AGRICULTURAL INCOME AMONG FARMERS: A CASE STUDY OF WARDHA DISTRICT IN MAHARASHTRA

<b>Session-2 / Hall-2</b> <b>08.09.2024 / 12:30-14:30 (Ankara Local Time)</b> <b>Moderator: Neslihan BALCI</b>		
Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Arda ÖZDEMİR	Ankara University	EAR RECONSTRUCTION IN ACQUIRED DEFECTS
Yasemin SAĞLAN Hüseyin BALCIOĞLU	Eskisehir Osmangazi University	DRUG USAGE HABITS IN THE EXAMPLE OF CHRONIC DISEASE
Yasemin CEYHAN Nurdan AYMELEK ÇAKIL	Kırşehir Ahi Evran University	A QUALITATIVE STUDY ON THE DIFFICULTIES EXPERIENCED BY NURSES AND THEIR COPING METHODS DURING THE COVID-19 PANDEMIC
Fatma Özlem KARGIN SOLMAZ Jale AKGÖL Hacer ÖZDEMİR Funda ATALAY Dağıstan Tolga ARIÖZ Meltem BAYKARA Beyza ÜNLÜ Hacer DEMİR	University of Health Sciences Afyonkarahisar Health Sciences University	RELATIONSHIP BETWEEN GST-PI LEVEL AND CYP1B1 POLYMORPHISM WITH OVARIAN CANCER
Ersun IŞIN Yusuf Ziya HAZERAL Nezahat OLACAK Senem ALANYALI	Ege University	DOSIMETRIC COMPARISON OF HYBRID VMAT, PARTIAL VMAT AND FIF PLANNING TECHNIQUES FOR LEFT BREAST CANCER RADIOTHERAPY
Nuri Koray ÜLGEN Nihat YİĞİT	Sincan Training and Research Hospital	INVESTIGATION OF THE REGIONAL DISTRIBUTION OF TENDON INJURES
Duygu TURAN	---	BPA, BPS, and BPAF's ACUTE TOXIC EFFECTS ON SPIRULINA SP. AND CHLORELLA VULGARIS
Havva DEĞİRMENCİ TARAKCI E.Ebru ŞENTÜRK H.Elçin ÖZBEK Demet TATAR Tuğba SABAH	Hitit University	A STUDY ON THE ATTITUDES AND BEHAVIORS OF PHYSICIANS WORKING IN HOSPITALS TOWARDS MEDICAL SECRETARIES: THE ÇORUM EXAMPLE

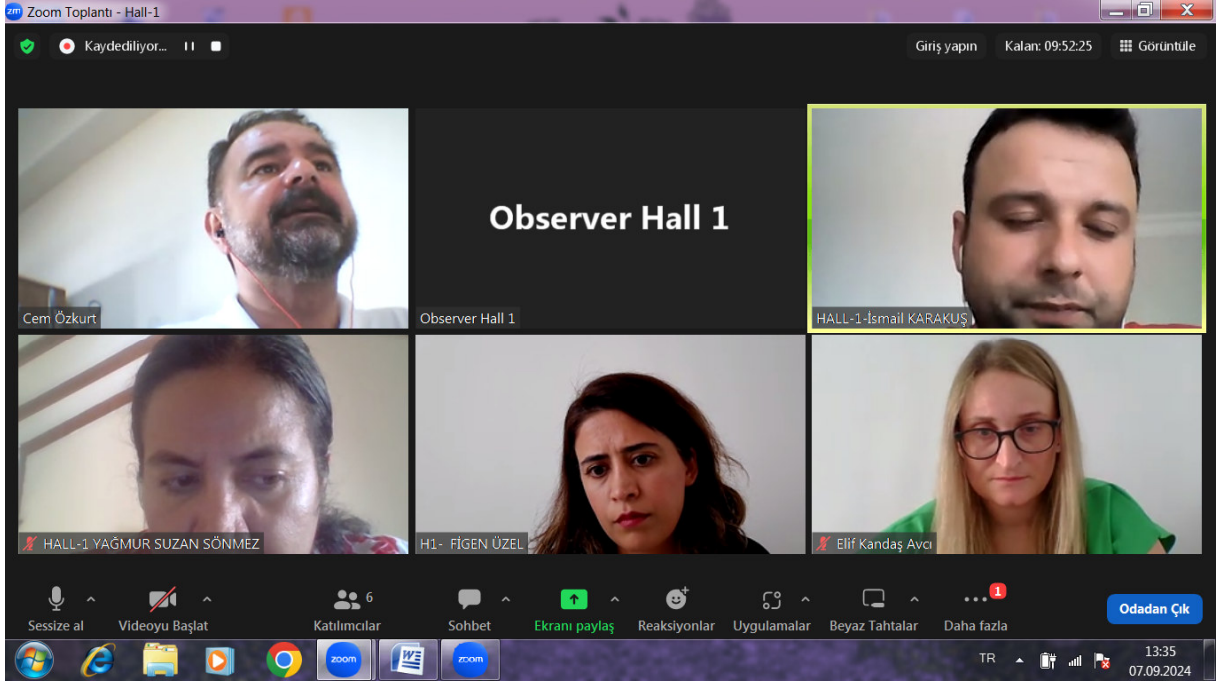
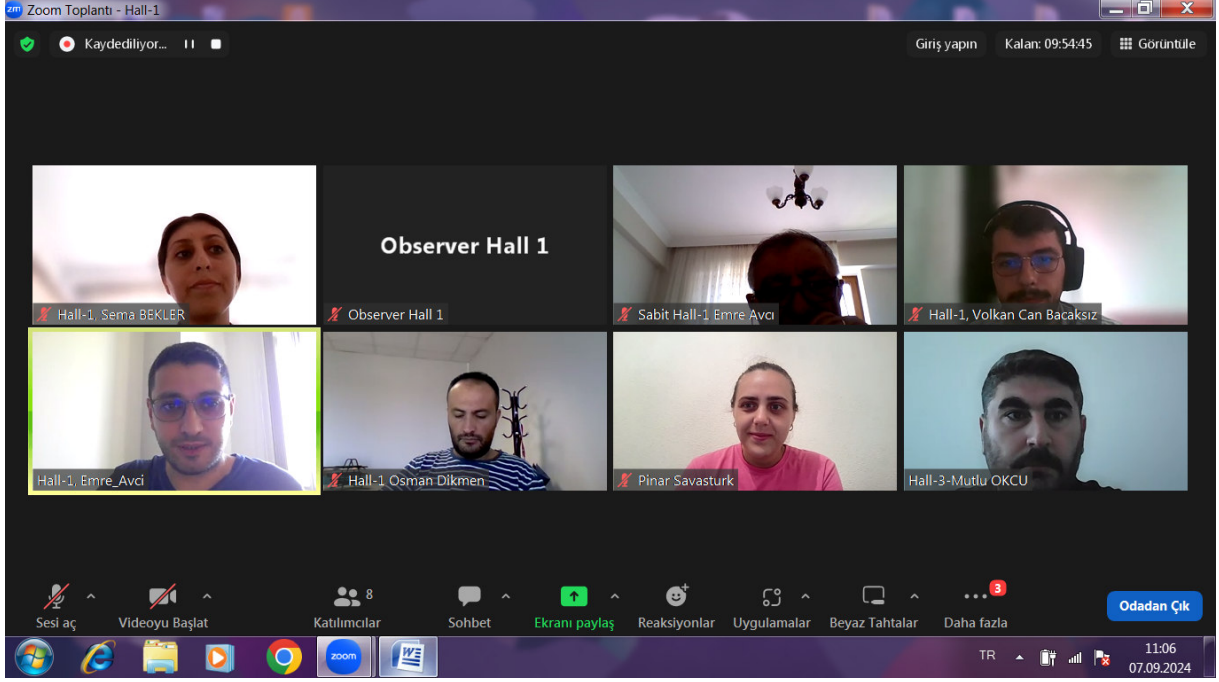
<b>Session-2 / Hall-3</b>		
<b>08.09.2024 / 12:30-14:30 (Ankara Local Time)</b>		
<b>Moderator: Melike ÇEBİ KILIÇOĞLU</b>		
Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
<b>AUTHOR(S)</b>	<b>AFFILIATION</b>	<b>TITLE</b>
Dilek ZENGİN	Ege University	DIGITAL HEALTH AND ARTIFICIAL INTELLIGENCE IN PEDIATRIC NURSING
Merve NEZİR Hanife ALTINIŞIK	Gazi University	EVALUATION OF THE EFFECT OF HOME BLEACHING APPLICATION ON THE COLOR OF COLORED BULK-FILL COMPOSITE RESINS
Melike ÇEBİ KILIÇOĞLU	Ondokuz Mayıs University	A METAGENOMIC PERSPECTIVE ON PLANT MICROBIOTAS AND TOXIC METAL INTERACTIONS
Ümran CANSU	Harran University	MODIFICATION OF PEA PROTEIN WITH MICROBIAL TRANSGLUTAMINASE
Nevra KARACA BIÇAKÇI Binali ÇATAK Birsen ALTAY Ayşe ÇALMAZ Güven SONER	Kafkas University Ondokuz Mayıs University Hitit University	QUALITATIVE RESEARCH ON ELDERLY PEOPLE'S PERCEPTION OF SEXUALITY AND SEXUAL LIVES
Murat KALFA Mesut GÜLEŞÇE	Gazi University	THE TRIANGLE OF ORGANIZATIONAL JUSTICE, CYNICISM AND ORGANIZATIONAL COMMITMENT IN PUBLIC SPORTS ORGANIZATIONS
Mesut GÜLEŞÇE Murat KALFA Kemal SARGIN	Van Yüzüncü Yıl University	THE POWER OF RHYTHM: THE INTERACTION OF MUSIC AND SPORTS IN TURKISH CULTURE
Erkan GÜLGÖSTEREN Arif ÖZSARI	Mersin University	THE EFFECT OF SPORTS EDUCATION ON THE LIFE SKILLS OF TRAINABLE MENTALLY DISABLED INDIVIDUALS

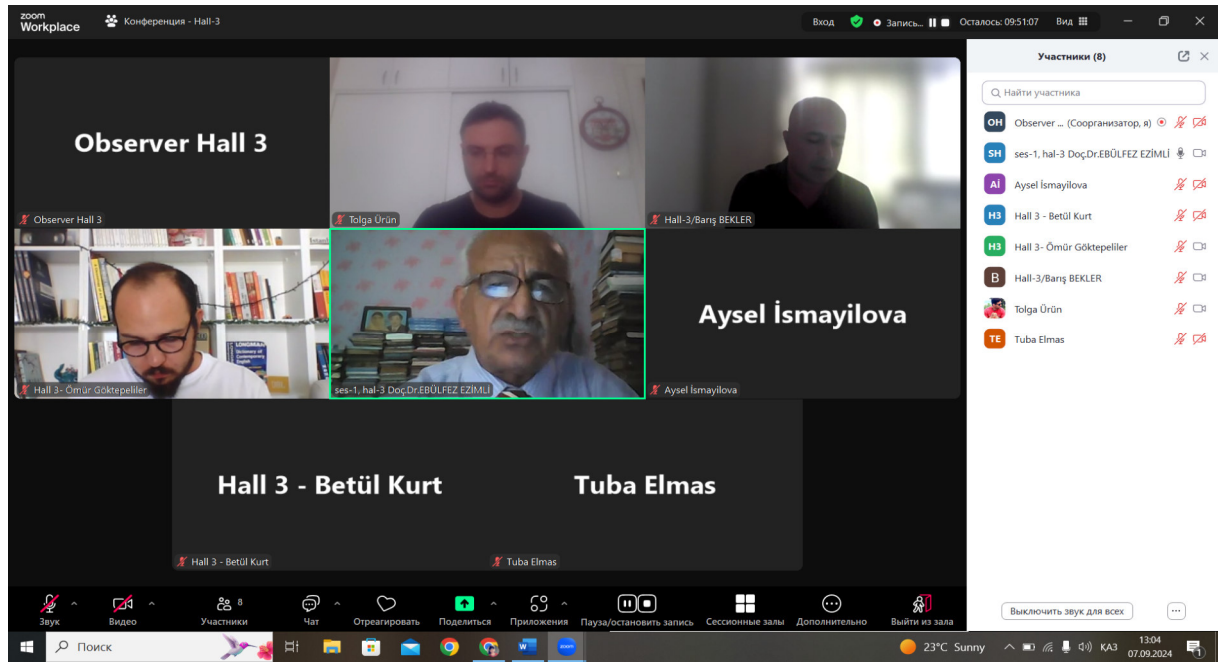
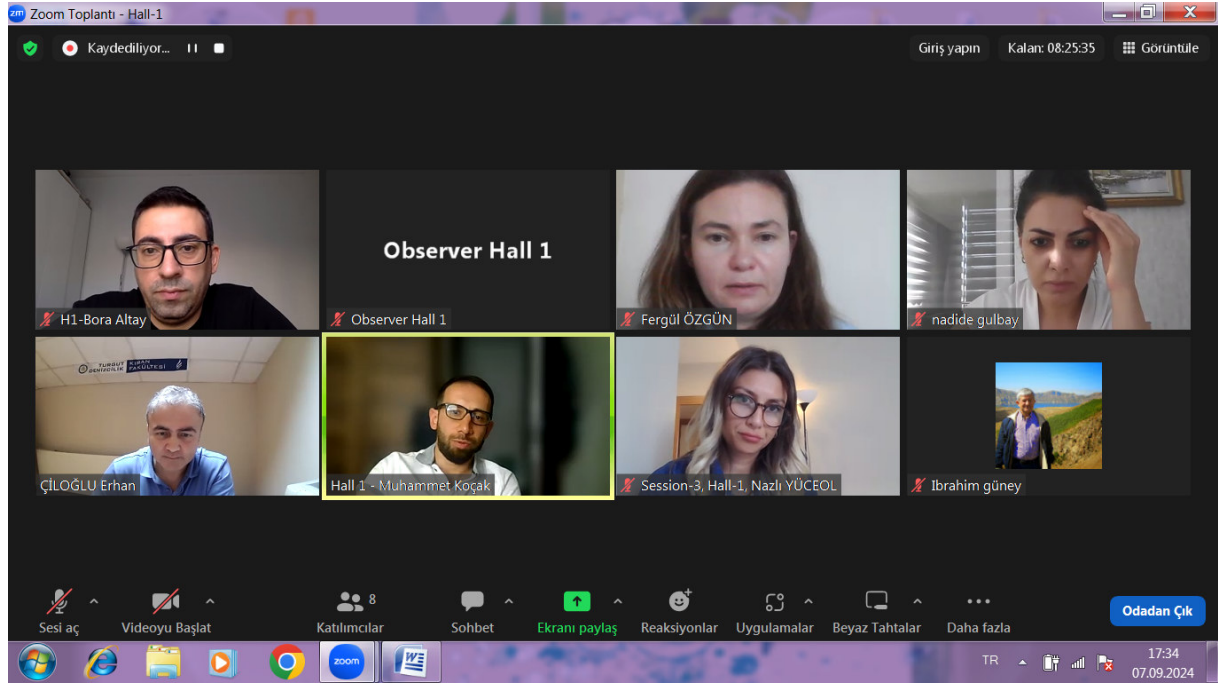
<b>Session-2 / Hall-4</b> <b>08.09.2024 / 12:30-14:30 (Ankara Local Time)</b> <b>Moderator: Tahir Qureshi</b> Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Prasad Sadvilkar	University of Mumbai	NAVIGATING CLIMATE FINANCE: LEVERAGING GLOBAL LESSONS FOR DEVELOPING COUNTRIES' SUSTAINABLE DEVELOPMENT GOALS
Suresh Maind Gaurav Ghadi	University of Mumbai	EMPIRICAL ANALYSIS OF IRRIGATION AND AGRICULTURE PRODUCTIVITY IN INDIA
Tahir Qureshi Anita Sable Shaeyuq Ahmad Shah	Deemed University	GLOBAL WATER SECURITY: THE LEGAL PATHWAYS AND CHALLENGES OF SECURITIZATION
Mohamed KARIM Jamal JAFRAN Salah-eddine KARIM	HASSAN II University of Casablanca	A NEW PARADIGM FOR THE MANAGEMENT OF PUBLIC ORGANIZATIONS
Jamal JAFRAN Rajaa FAIK Fatimaezzahra ELHASSEDE	HASSAN II University of Casablanca	COMPETENCE MANAGEMENT FOR THE BENEFIT OF PUBLIC ORGANIZATIONS
Kastriote VLAHNA	University of Pristina "Hasan Prishtina"	THE DEVELOPMENT OF THE CONTESTED CIVIL PROCEDURE IN THE DECISION- MAKING PHASE
Dafina VLAHNA	University of Pristina "Hasan Prishtina"	INCOME TAX ACCORDING TO LAW IN KOSOVO
ARSENI Igor	Comrat State University	LEGAL STATUS AND FEATURES OF PARTICIPATION OF FOREIGN CITIZENS IN CIVIL PROCEEDINGS REPUBLIC OF MOLDOVA

<b>Session-2 / Hall-5</b> <b>08.09.2024 / 12:30-14:30 (Ankara Local Time)</b> <b>Moderator: Sanju Dahiya</b> Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Sama Sepordeh Ramin Aslani Amirmohammad Jafari	Tabriz University of Medical Sciences	NOVEL APPROACHES OF PESTICIDE DECONTAMINATION IN THE MATRIX OF FOOD PRODUCTS: A REVIEW
Sama Sepordeh Ramin Aslani Amirmohammad Jafari	Tabriz University of Medical Sciences	TRENDS IN CHEMICAL ASSESSMENT OF POSTBIOTICS
Noémi Mózes Andrea Lehoczki Mónika Fekete János T Varga	Semmelweis University	EFFECTS OF COENZYME Q10 SUPPLEMENTATION IN CLINICAL TRIALS
R. Hari Prasada rao Agam Das Goswami	VIT-AP University	DESIGN OF AN EFFICIENT MODEL FOR LUNG NODULE ANALYSIS USING MULTIPLE MODALITY FUSION, WEAKLY SUPERVISED LEARNING, AND DOMAIN ADAPTATION
Sanju Dahiya Munish Garg	Maharshi Dayanand University	FORMULATION AND EVALUATION OF MORINGA OLEIFERA LEAVES ASH OPTIMIZED TABLETS WITH HIGH NUTRITIVE POTENTIAL
Prashant Sahni Savita Sharma	Agriculture University Punjab Agricultural University	ELUCIDATING THE POTENTIAL OF FORAGE LEGUMES ALFALFA AND DHAINCHA FOR FOOD USE BY EVALUATION OF ITS QUALITY ATTRIBUTES, NUTRITIONAL COMPOSITION, BIOACTIVE POTENTIAL AND FUNCTIONAL PROPERTIES
Rejnaldo Gjerazi	Sports University of Tirana	PHYSICAL PREPARATION METHODS FOR YOUNG FOOTBALL PLAYERS: OPTIMIZING PERFORMANCE FOR AGES 13-14
Ramesh Babu Vure Lalitha Kumari Pappala	VitAP	ADVANCED DEEP LEARNING MODELS FOR ISCHEMIC STROKE LESION SEGMENTATION IN MEDICAL IMAGING

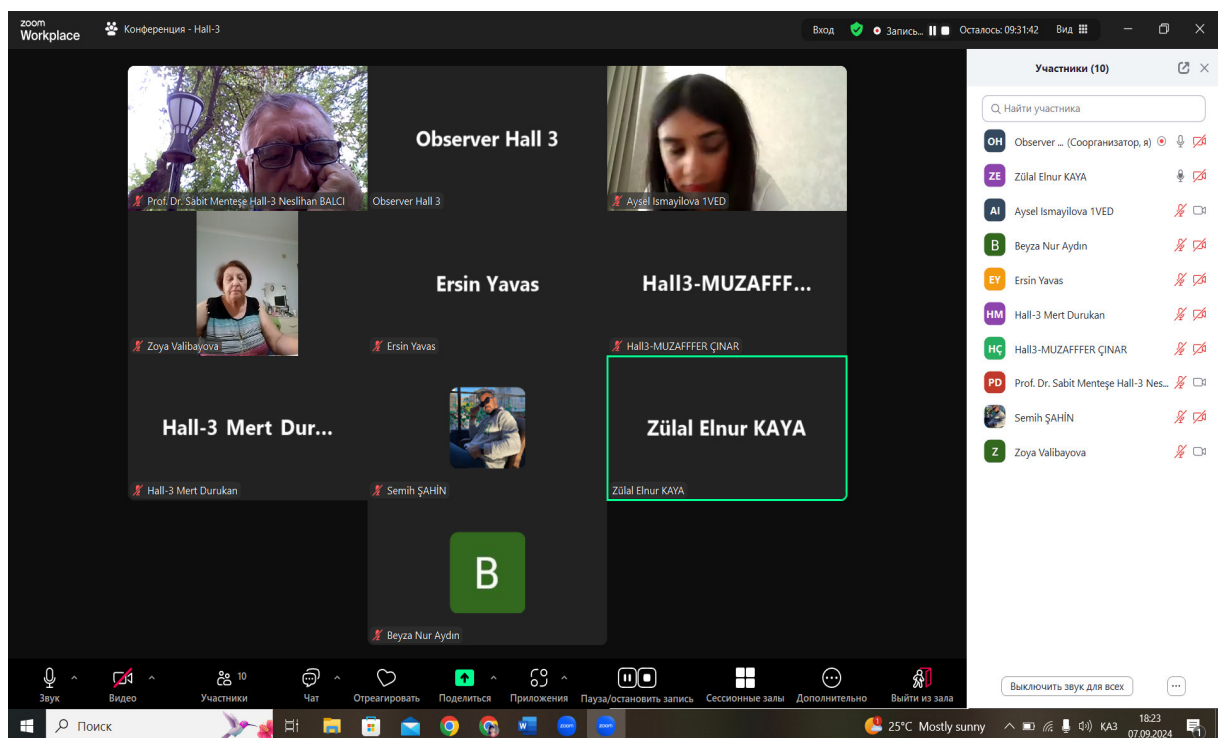
<b>Session-2 / Hall-6</b> <b>08.09.2024 / 12:30-14:30 (Ankara Local Time)</b> <b>Moderator: Faiz Muhammad Shaikh</b>		
Zoom Meeting ID: 860 5266 6988 / Zoom Passcode: 070809		
AUTHOR(S)	AFFILIATION	TITLE
Zuhairu Ado Tajuddeen Mohammed Aminu Haruna Ibrahim Tanko Linus	Jigawa State College	THE IMPACT OF ENVIRONMENTAL FACTORS ON ACADEMIC PERFORMANCE: A PSYCHOLOGICAL PERSPECTIVE IN JIGAWA STATE
Manaswi	West Bengal National University	WITCHES' AND THE POWER-PARADOX IN JHARKHAND: ANALYSING SOCIO-LEGAL NIHILITIES
Maribel Caicedo	---	POVERTY AS A DETERMINANT OF DOMESTIC FIREWOOD CONSUMPTION AND ITS EFFECT ON THE FORESTS OF ECUADOR
Faiz Muhammad Shaikh Muhammad Zafar Wassan Zubair Shaikh	University of Larkano	HONOUR KILLING AND WOMEN IN SMES BUSINESS OPPORTUNITIES AND CHALLENGES: A CASE STUDY OF SALEH PAT SUKKUR
Hoda Saghafi Sareh Larijani	Ahlul Bayt International University	ANALYSIS OF THE PERSONALITY TRAITS OF THE QUEEN OF SHEBA BASED ON THE QUR'ANIC VERSES
Anna Stefanowicz-Kocot	University of Applied Sciences in Tarnów	DISCURSIVE CONSTRUCTIONS OF SELF AND GROWTH: ANALYSING STUDENT EXPERIENCES IN AN ESP COURSE

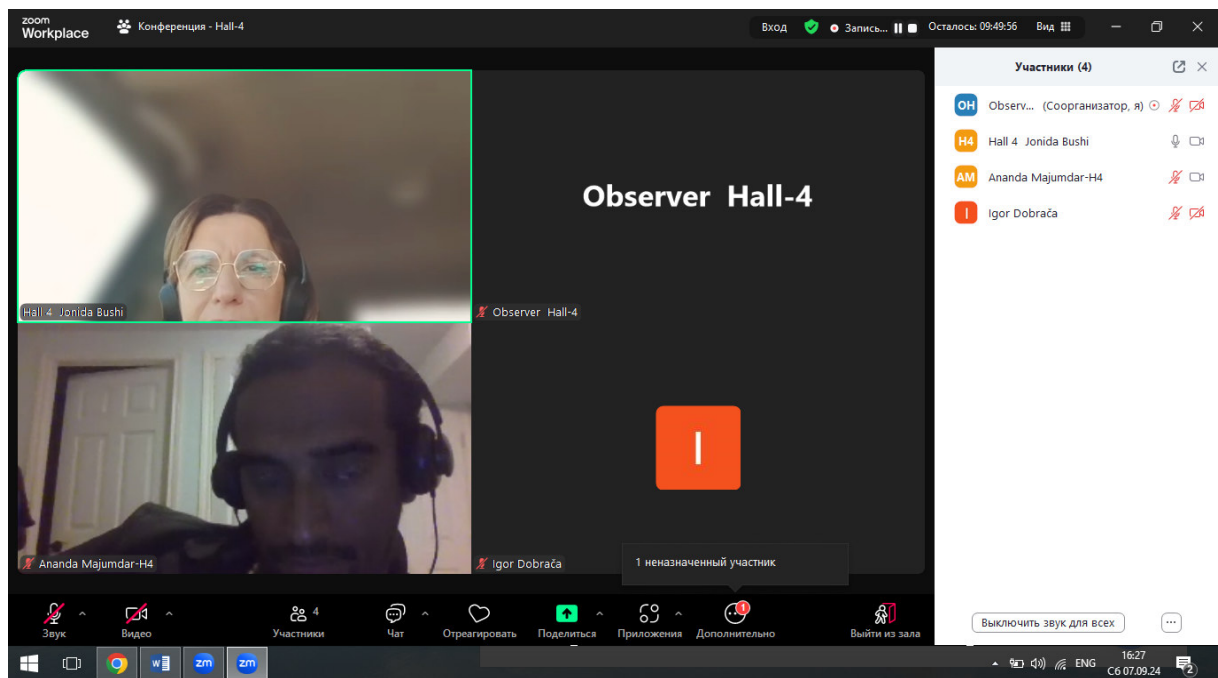
# PHOTO GALLERY





4th INTERNATIONAL CANKAYA SCIENTIFIC STUDIES CONGRESS  
September 7-9, 2024 / Ankara-TÜRKİYE  
(THE PROCEEDINGS BOOK)  
<https://www.izdas.org/cankaya>





zoom Workplace Toplantı - Hall-5 Kaydediliyor... Kalan: 09:21:38 Görüntüle

**Katılımcılar (6)**

- IKSAD ... (Oturum Sahibi, ben)
- H5 S1KRPadma
- Dr. Shafa Iman
- H5 Hall 5 - selva bilge
- KZ Kainat Zohra
- RR Rimsha Riaz

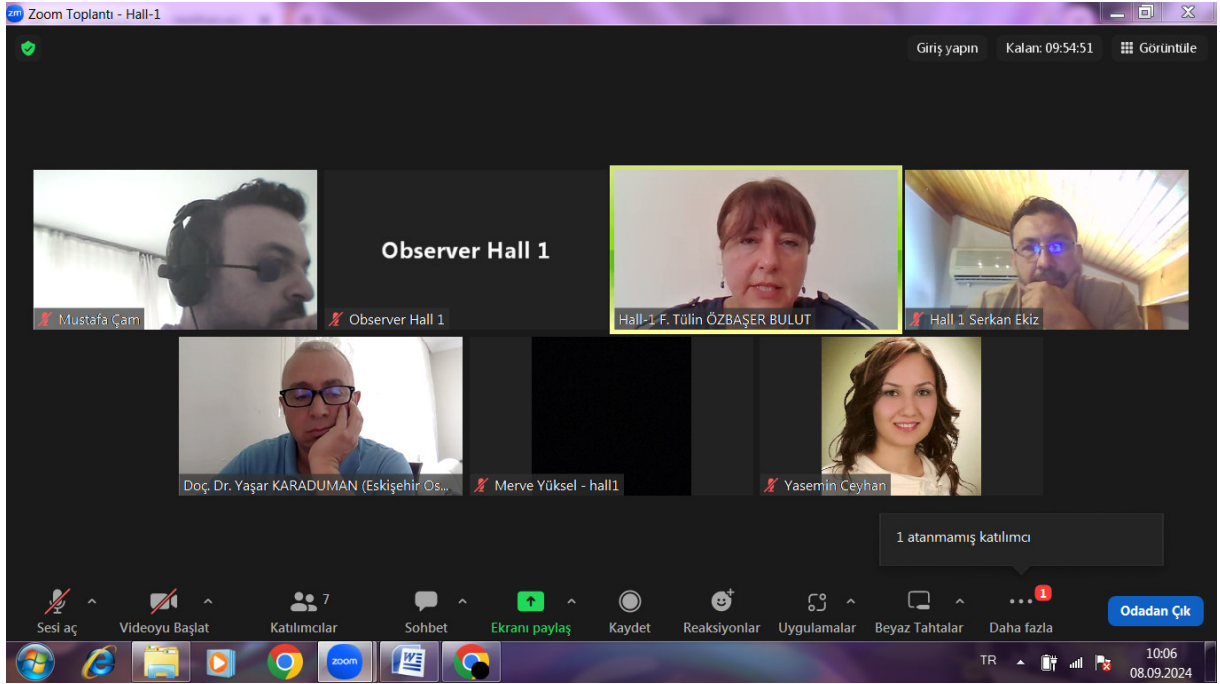
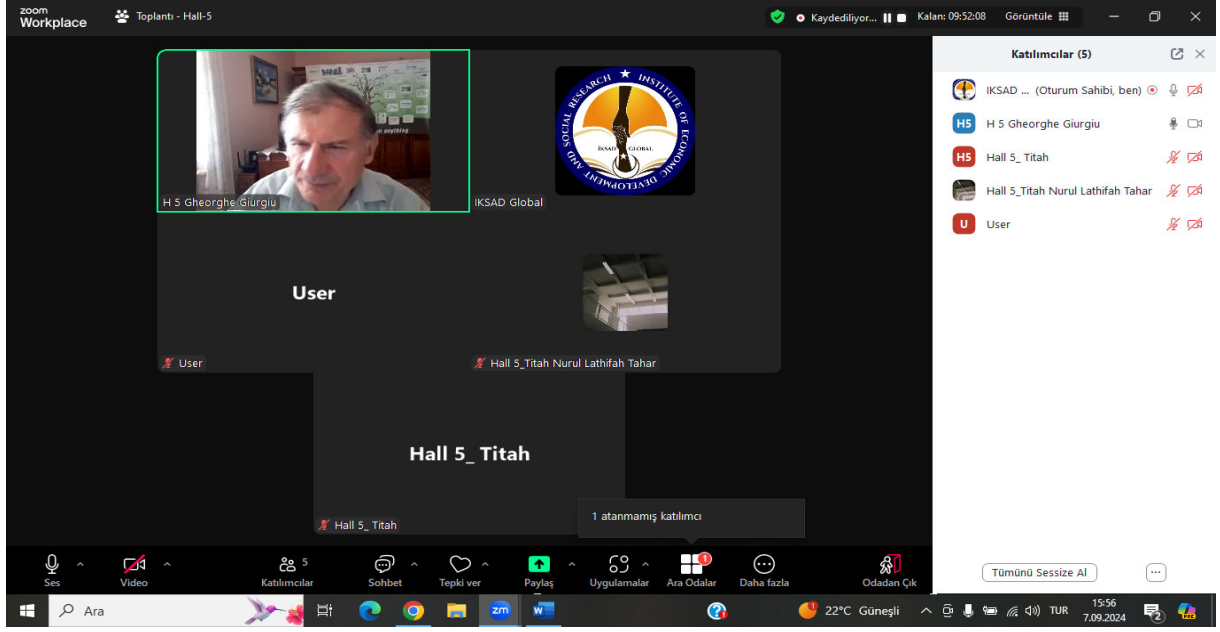
Zoom meeting interface showing a grid of participants: Rimsha Riaz, H5 S1KRPadma, Kainat Zohra, and Dr. Shafa Iman. The participant list on the right shows 6 attendees. The meeting title is "Toplantı - Hall-5" and the duration is 09:21:38. The system tray shows the date as 7.09.2024 and time as 11:28.

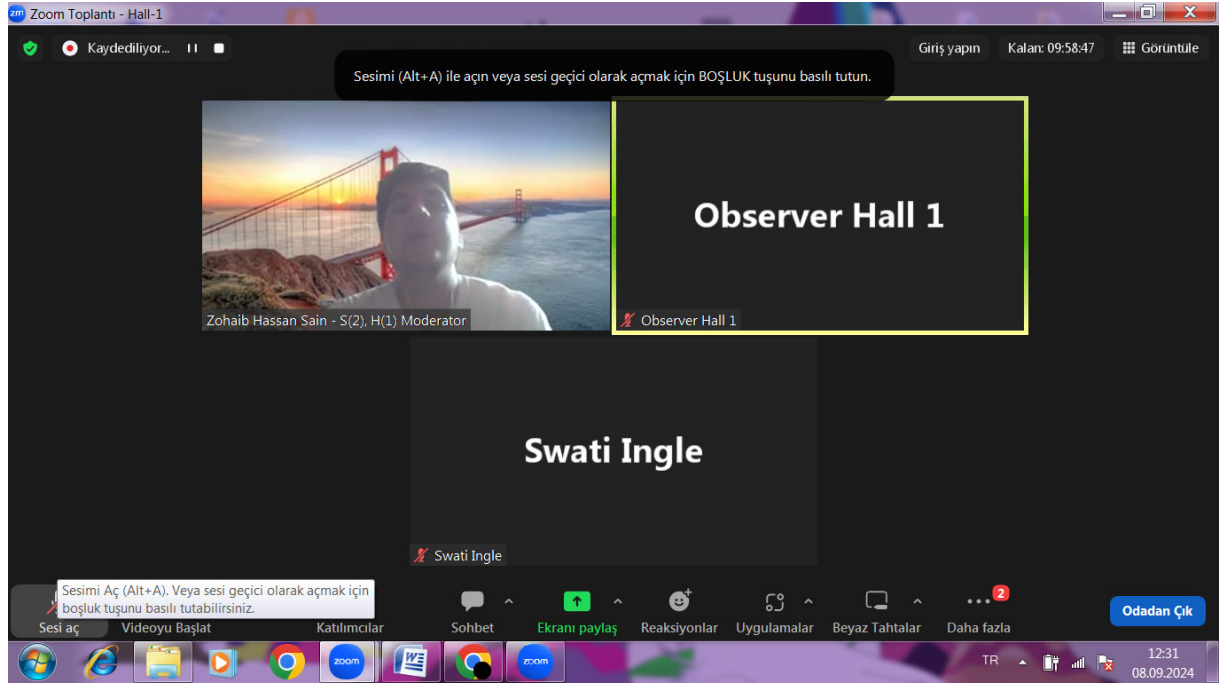
zoom Workplace Toplantı - Hall-5 Kaydediliyor... Kalan: 09:50:57 Görüntüle

**Katılımcılar (5)**

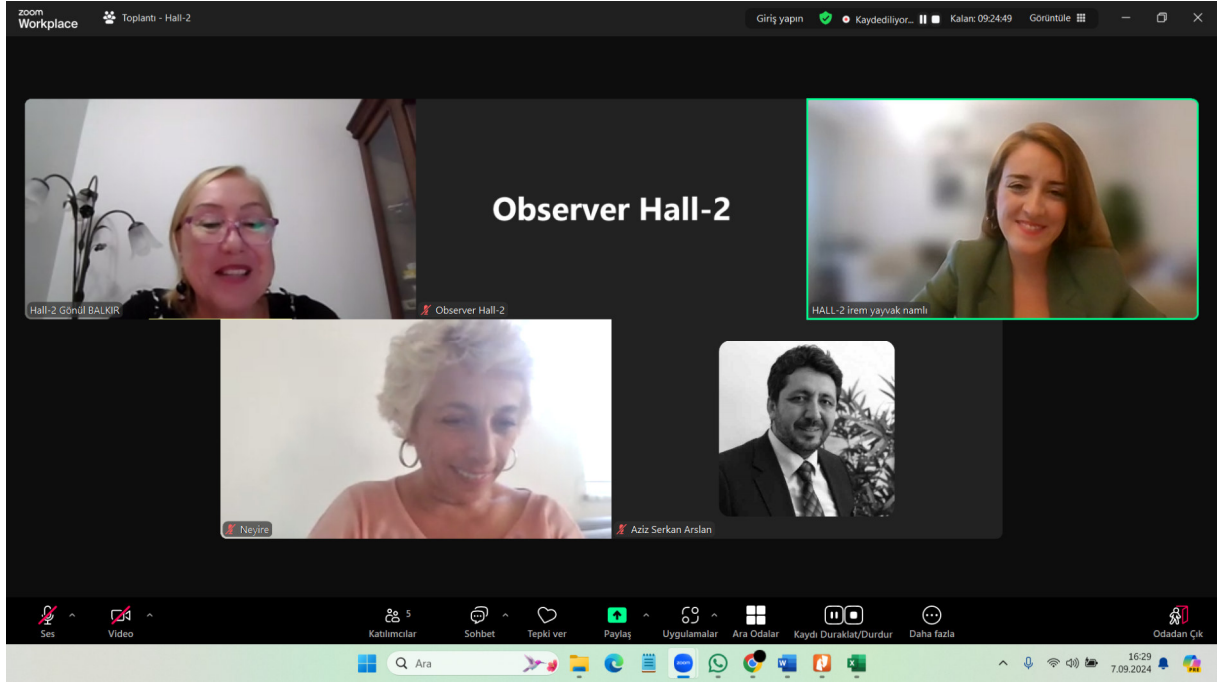
- IKSAD ... (Oturum Sahibi, ben)
- DS Dr Saista Tabssum
- HM H-5 Muharrem Keyfoğlu
- HB H-5 BURCU KARA
- SS Samsung SM-S711B

Zoom meeting interface showing a grid of participants: H-5 BURCU KARA, Dr Saista Tabssum, and Samsung SM-S711B. The participant list on the right shows 5 attendees. The meeting title is "Toplantı - Hall-5" and the duration is 09:50:57. The system tray shows the date as 7.09.2024 and time as 13:25.

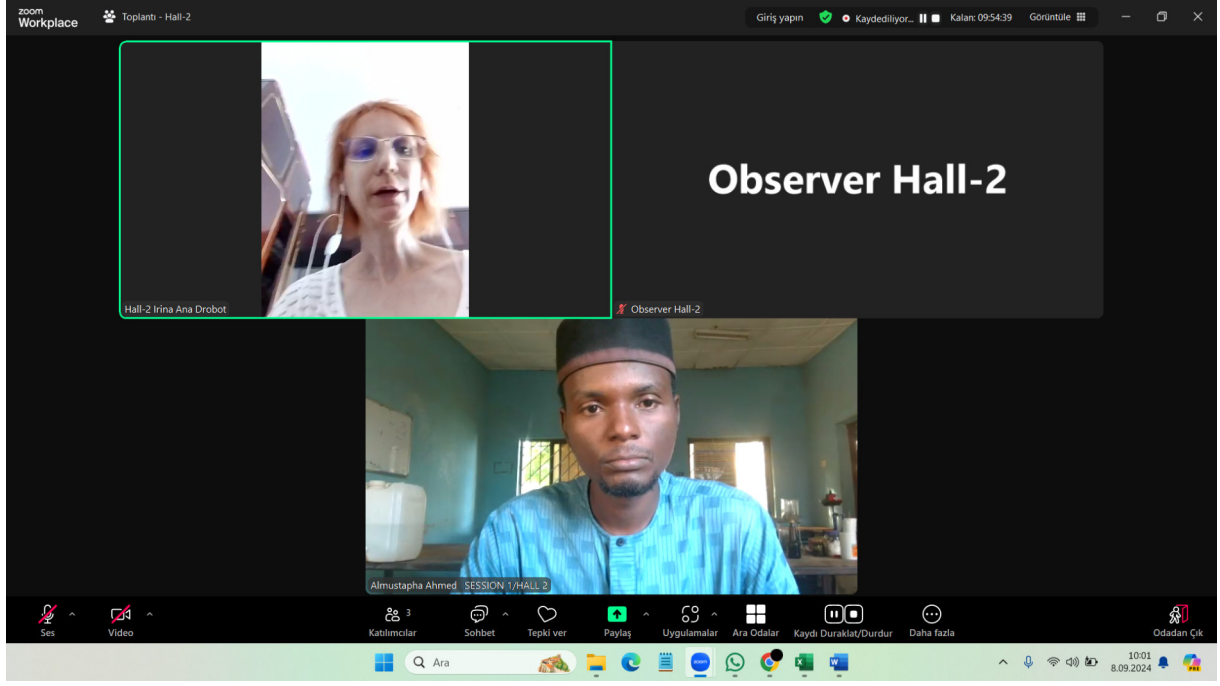








4th INTERNATIONAL CANKAYA SCIENTIFIC STUDIES CONGRESS  
September 7-9, 2024 / Ankara-TÜRKİYE  
(THE PROCEEDINGS BOOK)  
<https://www.izdas.org/cankaya>



4th INTERNATIONAL CANKAYA SCIENTIFIC STUDIES CONGRESS  
September 7-9, 2024 / Ankara-TÜRKİYE  
(THE PROCEEDINGS BOOK)  
<https://www.izdas.org/cankaya>

# CONTENTS

AUTHORS	PRESENTATION TITLE	NO
Sema BEKLER Sabit MENTEŞE	REVIEW OF STUDIES ON ART AND GIFTED TALENT USING BIBLIOMETRIC ANALYSIS METHOD	1-16
Pınar SAVAŞTÜRK	COMPARISON OF GUETZLI AND WEBP IMAGE COMPRESSION TECHNIQUES	17-24
Emre AVCI	COMPARISON OF PWM METHODS FOR SINGLE-PHASE SINGLE-STAGE BOOST-TYPE SPLIT SOURCE INVERTER	25-34
Mutlu OKCU	A NUMERICAL STUDY ON PERFORMANCE AND EMISSIONS OF A DIESEL ENGINE FUELLED WITH ETHANOL/BUTANOL AND OCTANE	35-49
Volkan Can Bacaksız Oğuz Altun	ENHANCING AUTOMATED PIXEL ART CHARACTER CREATION WITH DCGAN	50-61
Osman DİKMEN	ADVANCED MACHINE LEARNING APPROACHES FOR ROBUST ATTACK DETECTION IN WIRELESS SENSOR NETWORKS	62-72
Mısra YAPICILAR Alper Ertuğrul BAKAN Abdulkadir ALICI	EFFICIENCY OF AVIATION CLUBS IN TURKEY	73-74
Osman PERÇİN Oğuzhan UZUN	COMPRESSION PROPERTIES OF LAMINATED VENEER LUMBERS REINFORCED BY CARBON FIBER	75-82
Osman PERÇİN Oğuzhan UZUN	BONDING STRENGTH OF LAYERED WOODS REINFORCED BY CARBON FIBER AND GLASS FIBER	83-90
Ayşegül KOÇ ÜNLÜSOY	USE OF CARTOONS AS TOOLS IN ARCHITECTURAL CONSERVATION EDUCATION – Example of Istanbul Guards Movie	91-92
Nurgül GÜNEŞ Yelda DURGUN ŞAHİN	EVALUATION OF SPACE ACCESSIBILITY RESTRICTION/POSSIBILITIES ACCORDING TO USER GROUPS IN COURTHOUSE BUILDINGS: A CASE OF ADANA COURTHOUSE	93-101
Ozan BEBEK	THE INTEGRATION OF 3D PRINTING TECHNOLOGY IN CERAMIC MOLD PRODUCTION: A TECHNOLOGICAL AND CREATIVE EXPLORATION	102-103
Zeynep Ceran KEÇİCİ	A FOUNTAIN PROJECT PREPARED IN HONOR OF THE 25TH ANNIVERSARY OF SULTAN ABDULHAMİD II'S CÜLUS: THE DILARA FOUNTAIN	104-105

EBÜLFƏZ EZİMLİ	CONTEMPORARY AZERBAIJAN POETRY: POET MAHIRA NAGIGIZI AND THE HOMELANDS OF THOSE WHO HAVE BEEN EXPELLED	106-115
EBÜLFƏZ EZİMLİ	LITERARY MERIDIAN HORIZONS IN THE TURKISH WORLD: HUMAN AND SPACE MOTIVES IN ANATOLIA AND RUMELI POETS	116-126
Berna COŞKUN ONAN Ömür GÖKTEPELİLER	NETNOGRAPHY AS A CURRENT QUALITATIVE RESEARCH METHOD: A SYSTEMATIC REVIEW IN WOS AND TRDIZIN	127-128
Barış BEKLER	REVIEW OF STUDIES ON DIGITAL TRANSFORMATION OF ART	129-142
Uğur TÜRKMEN Tolga ÜRÜN	MUSIC IN BATTLES OF GALLIPOLI RESEARCH AND LITERATURE	143-161
Ayten MEHDİYEVA	WILHELM OF ORANGE'S ROLE IN ENDING CATHOLIC ANIAS IN THE NETHERLANDS	162-163
Yaşar SEMİZ Tuba ELMAS	1949 INDUSTRIAL EXHIBITION	164-166
Faruku Muhammad Aliero Hassan Umar Suru Muhammad Garba	EVALUATING SIGN-UP AND SIGN-IN PERFORMANCE IN CODEIGNITER AND CAKEPHP WITH APACHE JMETER	167
Karthika Natarajan John Samuel Jael Hephzibah	THE ROLE OF AI AND DATA SCIENCE IN SHAPING THE FUTURE OF EDUCATION	168-182
Igor Dobraca Nada Poropat Jeletic	INTEGRATING GAMIFICATION INTO CROATIAN CURRICULAR EDUCATION: LOCALIZATION AND TRANSLATION OF THE MULTI-PLATFORM EDUCATIONAL SOFTWARE PACKAGE GCOMPRIS	183-193
Senior lecturer Nataliya DUBNEVYCH Natalia HORODETSKA Natalia HAVRYSHKIV	UTILIZING METAVERSE TOOLS AND METHODS IN UNIVERSITY-LEVEL ENGLISH LANGUAGE TEACHING	194
Lakshmi V Kumar J	DYNAMIC RESOURCE ALLOCATION IN NETWORK CONTROL SYSTEMS USING REINFORCEMENT LEARNING FOR IMPROVED QUALITY OF SERVICE	195
Madaboina Ramesh John Pradeep	AN INVESTIGATION OF SOCIAL MEDIA CYBERSECURITY -A SOPHISTICATED MODEL	196
Odu, Adejare Samuel Aluko, Tolulope Abayomi	APPLICATION OF CIPP MODEL TO BROADCAST MEDIA EVALUATION	197-206
Samet AKARÇEŞME Mehmet Onur GENÇ	COMPREHENSIVE ANALYSIS OF THE IMPACT OF GRAPHENE-REINFORCED THREE-PHASE COMPOSITE FABRICS ON THE STRUCTURAL INTEGRITY OF AIRCRAFT LANDING GEAR	207-213

Jamīla Musa Kankara	EMERGING APPLICATIONS OF INORGANIC CHEMISTRY IN ENVIRONMENTAL REMEDIATION AND SUSTAINABILITY – REVIEW	214
Akbar Alī Muhammad Zā ul Mustafa Kā nāt Zohra Muhammad Waqar ul Fateh Muhammad Ibrahim	ATTEMPTS TO RENEW PYRIMETHAMINE (A RESISTIVE ANTIMALARIAL DRUG) VIA CO-CRYSTALLIZATION TECHNIQUE	215
Selva BILGE	PHYSICOCHEMICAL AND ELECTROCHEMICAL CHARACTERIZATION OF V 2 O 5 PARTICLES FOR THEIR POTENTIAL USE IN ELECTROCHEMICAL APPLICATIONS	216
LADOUALI Sabrīna SAKAA Bachīr CHAFFAI Hīcham	USING EXTREME MACHINE LEARNING AND VARIATIONAL MODE DECOMPOSITION TO PREDICT THE DROUGHT INDEX FOR THE AIN EL-HADJEL STATION IN THE HODNA BASIN	217
Saīqa Andleeb Rīmsha Rāz Iqra Rāz	PRE-SCREENING AND EVALUATION OF PATHOGENIC CHARACTERISTICS OF COW DUNG-ASSOCIATED BACTERIA	218
K.R.Padma K.R.Don	MECHANISMS OF ACTION OF AN ALL-NATURAL REMARKABLY BIOACTIVE COMPOUND AGAINST ILLNESSES ASSOCIATED WITH LIFESTYLE AND IN CANCER PREVENTION	219-226
Shafa Iman Mamoon Ur Rasheed Zonīsh Mīrza Ayesha Khan	EVALUATION OF PHYSICOCHEMICAL PROPERTIES OF OIL, THE NUTRITIONAL EXAMINATION OF AND SUBACUTE TOXICITY OF PAKISTANI MANGIFERA INDICA L SEED	227
Ahmad Abubakar Ahmad Salīsu AbubakarSanī	BIOACTIVE MARINE NATURAL PRODUCTS OBTAINED FROM SPONGES, RED ALGAE, GREEN ALGAE, SPONGES, MARINE BACTERIA AND MARINE FUNGI	228
Laura Līzeth Tovar-Rosales Javier Andrés Juárez Díaz Kalpana Nanjareddy Manoj-Kumar Arthīkala	EXPLORING SALT TOLERANCE: A COMPARATIVE STUDY OF MESOAMERICAN WILD BEAN VERSUS CULTIVATED NEGRO JAMAPA	229
FigenÜZEL İmam Bakır ARABACI	LEADERSHIP BEHAVIORS OF SCHOOL ADMINISTRATORS	230-235
Yağmur Suzan SÖNMEZ	BIOLOGY WITH MIND MAPS TEACHING	236-237
Elif KANDAŞ AVCI Sevinç DEMİR KAYA	EVALUATION OF TEACHERS' VIEWS ON THE IMPACT OF EARLY LITERACY AWARENESS ACTIVITIES CONDUCTED BY PRESCHOOL EDUCATION TEACHERS AT THE EARLY LITERACY CENTRE ON THE EDUCATIONAL PROCESS	238-239

İsmail KARAKUŞ	MOTIVATIONS OF UNIVERSITY STUDENTS TOWARDS DISTANCE LEARNING	240-241
Cem ÖZKURT	MODERN CULTURAL TENSIONS IN SIMMEL'S PRACTICAL SOCIOLOGY	242-248
Gabriel Enrique Sánchez Ramirez	RICHARD WAGNER AND THE THIRD REICH: THE SOUNDTRACK OF NAZISM	249-260
İsa KASUM	NORTH MACEDONIA'S AND GREECE'S DISPUTE RESOLUTION PROCESS AND PRESPA AGREEMENT: IDENTITY CONFLICT? RATIONAL ACTOR APPROACH?	261-280
İkbal KILIÇ	HOW CAN JOSEPH NYE'S CONCEPT OF SOFT POWER BE EVALUATED THROUGH THE RUSSKIY MIR FOUNDATION?	281-284
Firuze İrem ARAZ	GEOPOLITICAL ASPECTS OF THE RUSSIA-UKRAINE WAR	285-290
Gamzenur DÜZCAN	CARBON ECONOMY AND SUSTAINABLE DEVELOPMENT: IMPACTS ON FORESTRY IN TÜRKİYE	291-297
Rumeysa MÜJDECI	TURKIYE RELATIONS WITH ASEAN UNDER ASIA NEW INITIATIVE	298-299
Güray ALPAR	HOW SHOULD A CORRECT GEOPOLITICAL ASSESSMENT BE MADE?	300-305
İbrahim Furkan ŞEN	TURKISH SHIELD: STEEL DOME	306-312
Mustafa ÇANA	THE EFFECT OF MIGRATION ON THE SECURITY OF COUNTRIES IN TERMS OF GEOPOLITICS	313-319
Moses Adeolu AGOI Oluwakemi Racheal OSHINOWO Benjamin Johnson OLASIJU Solomon Abraham UKPANAHAH	THE SIGNIFICANCE, APPLICATION AND IMPACT OF INTERNET OF THINGS (IoT) ON INNOVATIVE TEACHING AND LEARNING: A SURVEY ON EDUCATIONAL DEVELOPMENT	320
Oluwakemi Racheal OSHINOWO Moses Adeolu AGOI Benjamin Johnson OLASIJU Solomon Abraham UKPANAHAH	THE IMPORTANCE AND IMPLEMENTATION OF HUMAN- COMPUTER INTERACTION IN EDUCATION: A SURVEY ON EVOLVING INNOVATIONS IN CLASSROOM MANAGEMENT	321
Ananda Majumdar	UNLOCKING POTENTIAL: THE TRANSFORMATIVE POWER OF ACADEMIC WRITING	322-327
Elif AYDIN YAZICI	TRANSFORMING EFL WRITING INSTRUCTION THROUGH FLIPPED CLASSROOM PEDAGOGY: CHALLENGES AND SUCCESSES	328-333

Jonida Bushi Arsilda Aliqaj	SELF-EVALUATION IN LANGUAGE ACQUISITION: A KEY TO EFFECTIVE LEARNING	334-346
Bushra Sumaiya	PRE-SERVICE TEACHERS' PERCEPTIONS OF AI INTEGRATION IN ENHANCING TEACHER EDUCATION PROGRAMS	347
Muharrem KEYFOĞLU Ayberk Salim MAYIL	EVALUATING IMPACT RESISTANCE AND FRAGMENTATION BEHAVIOR IN TEMPERED GLASS FOR GAS HOBS: A NUMERICAL APPROACH	348-358
Ayben CENGİZ Ayberk Salim MAYIL Can UĞURELLI Nurhan VATANSEVER Burcu KARA ER	STATISTICAL APPROACH TO MINIMIZE TESTING FOR ENERGY CONSUMPTION IN OVENS	359-360
Faisal Nazir	PRODUCTION AND CHARACTERIZATION OF CARBON NANOTUBES FROM BIOCHAR UNDER MICROWAVE IRRADIATION	361
Kinza Zulfiqar Hafeez Anwar	IMPROVING THE EFFICIENCY OF PEROVSKITE SOLAR CELLS THROUGH SURFACE PASSIVATION USING CR3+ DOPED CUGAO2 AS AN INORGANIC HOLE TRANSPORT MATERIAL (HTM)	362
Hanane meddas Saliha bouaicha	EFFECT OF ANNEALING TEMPERATURE ON OPTICAL AND ELECTRICAL PROPERTIES OF SNO2 THIN FILMS SYNTHESIZED BY SOL-GEL SPIN COATING METHOD	363
Rasha Mol VP Amitha J Pai V. Sejian	PHYSIOLOGICAL ADAPTABILITY OF SHEEP TO HEAT STRESS	364
Amitha J Pai Rasha Mol VP V. Sejian	HEAT STRESS IMPACT ON GROWTH PERFORMANCE IN SHEEP	365
Saista Tabssum Gulam Sarwar Nadeem Ahmed	TOPOGRAPHICAL EFFECTS ON WAVE SCATTERING BY RECTANGULAR BREAKWATER BACKED BY PARTIALLY REFLECTED WALL	366
Bora ALTAY	EXAMINING INSTITUTIONAL EFFICIENCY THROUGH WAGE-SKILL PREMIUM IN THE OTTOMAN EMPIRE: AN EMPIRICAL ANALYSIS	367-375
Nazlı YÜCEOL Esin CAN	RELATIONSHIP BETWEEN ENVIRONMENTAL FACTORS, RISK MANAGEMENT COMPETENCE AND PERFORMANCE WITHIN THE SCOPE OF STRATEGIC ENTREPRENEURSHIP MODEL	376-377
Nadide GÜLBAY YİĞİTELİ	AN EVALUATION ON GENDER IN THE LABOUR MARKET	378-379
Fergül ÖZGÜN	EXAMINING THE IMPACT OF DIGITALIZATION ON THE LABOR MARKET WITHIN THE CONTEXT OF "SELF- EMPLOYMENT": E7 COUNTRIES	380-391

Fatih İLHAN İbrahim GÜNEY	ANALYSIS OF THE RELATIONSHIP BETWEEN THE LONELINESS, ALIENATION, AND STRESS LEVELS OF THE PERSONNEL WORKING UNDERGROUND IN THE URBAN RAIL SYSTEM LINES IN ISTANBUL	392-403
Erhan ÇİLOĞLU Ahmet Emre PİRİM	AN ANALYSIS OF RIZE PORT'S FEATURES, ITS ROLE IN TURKISH MARITIME TRADE, AND THE POTENTIAL IMPACT OF THE İYİDERE LOGISTICS CENTER ON TURKISH COMMERCE	404-413
Muhammet KOÇAK	TURKEY'S ACTIVE NEUTRALITY POLICY TOWARDS THE RUSSIA-UKRAINE CONFLICT	414-415
Z.Gönül BALKIR	DIVISION OF SOCIAL WORK AND SOLIDARITY IN DURHEIM	416-420
Z.Gönül BALKIR	UNDERSTANDING LAW AS A SOCIO-PSYCHIC REALITY	421-425
İrem YAYVAK NAMLI	SOME SPECIAL REGULATIONS FOR EMPLOYEES WITH PART-TIME EMPLOYMENT CONTRACTS IN THE LAW NO. 5510 ON SOCIAL SECURITY AND GENERAL HEALTH INSURANCE	426-428
Aziz Serkan ARSLAN	TRIAL PRINCIPLES APPLIED IN DIVORCE CASES	429-434
Neyire AKPINARLI	THE PHENOMENON OF ENVIRONMENT IN CONSTITUTION OF THE AMERICAN COUNTRIES FROM EGOCENTRISM TO PACHAMAMA	435-436
Ersin YAVAŞ	MODALITY-SPECIFIC EFFECTS ON MEMORY: THE CASE OF THE REY COMPLEX FIGURE TEST	437-438
Sabit MENTEŞE Bilgin ZENGİN Hüseyin EKMEKÇİ	INVESTIGATION OF THE COMPETENCY LEVEL OF OCCUPATIONAL HEALTH AND SAFETY PRACTICES ACCORDING TO THE PERCEPTIONS OF WORKPLACE EMPLOYEES: THE CASE OF ANKARA WATER AND SEWERAGE ADMINISTRATION GENERAL DIRECTORATE (ASKİ)	439-456
Zülal Elnur KAYA Kezban KORAŞ SÖZEN	DIGITAL GAME ADDICTION: ITS RELATIONSHIP WITH PERCEIVED SOCIAL COMPETENCE IN TURKISH NURSING STUDENTS	457-462
Kezban KORAŞ SÖZEN Beyza Nur AYDIN	ARTIFICIAL INTELLIGENCE: ANXIETY AND ATTITUDES OF NURSING STUDENTS	463-467
Mert DURUKAN Hazel ÇELİK GÜZEL	ÜNİVERSİTE ÖĞRENCİLERİNDE DERS VE SINAV DÖNEMİ TEMPOROMANDİBULAR DİSFONKSİYON İLE MASSETER KASI BASINÇ AĞRI EŞİĞİNİN KARŞILAŞTIRILMASI: PİLOT ÇALIŞMA	468-475

Muzaffer ÇINAR	A NEW PERSPECTIVE ON SCHOOL RISK ASSESSMENTS AND MEASURES IN VIEW OF CURRENT STATISTICS ON THE CAUSES OF MORBIDITY AND MORTALITY OF CHILDREN	476-478
A.S.İsmayılova	GEOGRAPHIC CHARACTERISTICS OF DRUG-RESISTANT FORMS AMONG TUBERCULOSIS PATIENTS INITIALLY REGISTERED IN THE REPUBLIC OF AZERBAIJAN	479-480
Fatih BUDAK Semih ŞAHİN	THE RELATIONSHIP BETWEEN EMOTIONAL INTELLIGENCE AND CLINICAL LEADERSHIP: AN EVALUATION SPECIFIC TO HEALTH SERVICES	481-489
Zoya Valibayova	CHARACTERISTIC FEATURES OF THE BEHAVIOR OF A TEENAGER WHO IS DIFFICULT TO EDUCATE	490-497
Zeeshan Asghar	BIOMECHANICS OF GLIDER'S MOTION ON NON-NEWTONAIN LAYER OF SLIME	498
INDULAL G	MATHEMATICS - THE SILENT ARTICHECT OF MODERN WORLD	499
RAJA MOHAMMAD LATIF	H-COMPACTNESS IN TOPOLOGICAL SPACES	500-520
RAJA MOHAMMAD LATIF	H-MAPPINGS IN TOPOLOGICAL SPACES	521
Naheed Ali	ARTIFICIAL NEURAL NETWORK SCHEME TO STUDY THE POST-MYOCARDIAL INFARCTION THROUGH MATHEMATICAL MODELING	522
S. N. GAJUL Ashok Nirvutti Bhavale	AN EAR DECOMPOSITION OF A GRAPH	523
Lykhovyd P.V.	THE METHODOLOGY OF AGROECOLOGICAL LAND SUITABILITY EVALUATION FOR CROPS CULTIVATION USING REMOTE SENSING DATA	524
Neha Singh	CURRENT RESEARCH SCENARIO HYPERLIPIDMIA AND ITS MANAGEMENT BY HERBS	525-539
Syeda Sabika Zahra Naqvi	MORPHO-ANATOMICAL MODIFICATION IN WITHANIA SOMNIFERA (L.) DUNAL FROM PUNJAB, PAKISTAN: INSIGHT INTO ADAPTATION	540
Major Gheorghe GIURGIU med Manole COJOCARU	A LINK BETWEEN GUT MICROBIOTA AND ALZHEIMER'S DISEASE: IMPACT OF NEUROPOLEN	541
Major Gheorghe GIURGIU med Manole COJOCARU Georgeta SINIȚCHI	THE INFLUENCE OF PLANTS ON THE MICROBIOME IN PATIENTS WITH AUTOIMMUNE DISEASES	542
Dhulasiraman M	EMPOWERING HEALTH THROUGH IOT-DRIVEN PREDICTIVE MONITORING FOR COST-EFFICIENT CARE	543

Ajesh Chauhan	AI FOR HYPERTENSION MANAGEMENT	544
A.Dinesh babu G.Akash kumar E.velmurugan Dr.R.Srinivasan	MYCOBACTERIUM TUBERCULOSIS DRUG RESISTANCE MECHANISMS REVIEW	545
Titah Nurul Lathifah Tahar Emmi Bujawati Ranti Ekasari Rimawati Aulia Insani Sadarang	DETERMINANTS OF PULMONARY FUNCTIONAL CAPACITY IN WASTE WORKERS AT TAMANGAPA LANDFILL	546
Tengiz Verulava	TRANSFORMING THE PUBLIC HEALTH SYSTEM IN GEORGIA: CONTEMPORARY CHALLENGES	547
Fatma Tülin ÖZBAŞER BULUT	EFFECTS ON HATCHABILITY RESULTS IN LONG-TERM EGG STORAGE OF OZONE DISINFECTION	548-554
Sema ALAŞAHAN Fatma Tülin ÖZBAŞER BULUT	DETERMINATION OF SOME EXTERNAL QUALITY CHARACTERISTICS OF YELLOW-FEATED QUAILS USING MATHEMATICAL MODELING	555-560
Mustafa ÇAM	POSITIVE-PRESSURED VENTILATION SYSTEMS IN DAIRY CALF BARNs	561-566
Merve YÜKSEL Onur ÇİÇEK Nida SARSILMAZER Zeynep Sude ÜSTÜNKAYA Eren KAYMAK Yaşar KARADUMAN	DETERMINATION OF PHYSICO-CHEMICAL, GLUTEN AGGREGATION AND DOUGH RHEOLOGICAL PROPERTIES OF SOME FLOURS USED IN BAGEL PRODUCTION	567-579
İrem KUZHEY BAŞTÜRK Yeşim DAĞLIOĞLU	ANTIOXIDANT ACTIVITY OF MILK	580-588
İrem KUZHEY BAŞTÜRK Yeşim DAĞLIOĞLU	BIOLOGICAL, CHEMICAL AND MINERAL CONTENTS OF HUMAN AND OTHER MAMMAL MILK COMPONENTS	589-596
Mirkan Emir SANCAK Ülker Diler KERİŞ-ŞEN	REUSABILITY OF THE POTASSIUM IODIDE SOLUTION FOR O <sub>3</sub> DETERMINATION WITHOUT DEGRADATION	597
Serkan EKİZ	IMPLICATIONS OF THE 2017 CONSTITUTIONAL AMENDMENT ON TURKEY'S DEMOCRATIC STANDARDS	598-599
Almustapha Ahmed Bishir Usman	APPLICATION OF RESPONSE SURFACE METHODOLOGY (RSM) VIA CENTRAL COMPOSITE DESIGN (CCD), ARTIFICIAL NEURO NETWORK (ANN) AND ARTIFICIAL NEURO FUZZY INFERENCE SYSTEM (ANFIS) FOR THE ASSESSMENT OF QUALITY FOR BIOLUBRICANTS PRODUCED FROM NON-EDIBLE OIL. A COMPARATIVE IN DEPTH REVIEW	600
Sundhararajan.R Mr.S.G.Raman Mrs.R.Jothilakshmi	MOLECULAR DOCKING OF PLANT EXTRACTS	601
R. Jothi Lakshmi R. Srinivasan	PHYTOCONSTITUENTS IN NEPHROPROTECTIVE ACTIVITY	602

Pavan Kumar.V	A STABILITY INDICATING LIQUID CHROMATOGRAPHIC ASSAY METHOD FOR THE SIMULTANEOUS DETERMINATION OF ANTI-CANCER DRUGS IN BULK AND PHARMACEUTICAL DOSAGE FORMS	603
Irina-Ana DROBOT	THE NEW DRESS BY VIRGINIA WOOLF AND THE NECKLACE BY GUY DE MAUPASSANT: A COMPARATIVE ANALYSIS	604-609
Subhashish Dey	UTILIZATION OF LIMESTONE POWDER AND FLY ASH IN BLENDED CEMENT: RHEOLOGY, STRENGTH AND HYDRATION CHARACTERISTICS	610
Yusuf Babangida Attahiru Azman Mohamed Saadatu Sani Zango Sobira Azumi	A REVIEW OF THE APPLICATION OF WASTE ENGINE AND COOKING OILS ON WARM MIX ASPHALT	611
Aliyu Hassan	A DETAILED ANALYSIS OF HOW BASIC SCIENTIFIC PRINCIPLES INFLUENCE QUALITY OF LIFE	612
Iram Liaqat	QUORUM SENSING MONITORING AND INHIBITION IN MARINE ISOLATES BIOFILMS	613
Hooman Rahmati-Holasoo Amin Marandi Hosseinali Ebrahimzadeh Mousavi Sara Shokrpour Fateme Arabkhazaeli	HISTOLOGICAL AND HISTOCHEMICAL STUDY OF MYXOBOLUS SPP. (MYXOZOA: MYXOBOLIDAE) ISOLATED FROM ORNAMENTAL GOLDFISH	614
E. Binuni Rebez G. Ilavarasi M. V. Silpa V. Sejian	NON-INVASIVE METHODS TO QUANTIFY STRESS RESPONSE	615
F.B. Kende D.Y. Kanya D.D. Attah I. Iliya LS. Sule	STUDY OF EIMERIA INFECTION AND RELATED RISK FACTORS IN POULTRY AND RUMINANT ANIMALS ACROSS LOCAL GOVERNMENTS IN GWANDU EMIRATE	616
Iliya Ibrahim Nike Tawakaltu Isyaku Victoria Ebere Ukatu	DEVELOPMENT OF FLOATING FISH FEED IN FORMULATION BY USING OF COWPEA HUSK AS A FLOATERS	617
Ouissal bouraoui Khaled Mesbah Rachid Benkiniouar	SYNTHESIS AND MOLECULAR DOCKING STUDIES OF 1,4-BENZOTHIAZEPINE AND DERIVATIVES	618
G. Ilavarasi E Binuni Rebez M.V. Silpa, V. Sejian	METABOLIC ADAPTATION TO HEAT STRESS CHALLENGES IN LIVESTOCK	619
A. Niveditha G. Kalaignazhal M.V. Silpa V. Sejian	BIOMARKERS FOR QUANTIFYING HEAT STRESS RESPONSE IN DAIRY CATTLE	620
Munish Garg Harish Dureja Kirpa Shanker Tiwari	DEVELOPMENT AND OPTIMIZATION OF METFORMIN HCL EXTENDED-RELEASE TABLETS USING INNOVATIVE TOOL TO OVERCOME SWALLOWABILITY CONCERNS	621

Marġana Lopez Samano Kalpana Nanjareddy Manoj-Kumar Arthikala	MEDICAGO TRUNCATULA'DA NSLTP BENZERI PROTEINLERIN TANIMLANMASI VE İNCELENMESİ	622
Selvaraj Mohana Roopan	UNVEILING THE SCOPE AND MECHANISMS OF VISIBLE-LIGHT-ACTIVATED CATALYST IN CLICK REACTIONS	623
Gunabalan Madhumitha	CUO-NIO-HNT BIMETALLIC COMPOSITES DERIVED FROM CARISSA EDULIS FRUIT EXTRACT FOR EFFICIENT PHOTOCATALYTIC DEGRADATION OF FOOD DYES AND ANTIBIOTIC DRUGS	624
Mannġ Sanusġ Abubakar Sanġ	SPECTRAL DETARMINATION OF COMPONENTS ISOLATED FROM THE ROOT OF XIMENIA AMERICANA LINN A-REVIEW	625
Anastasġ Romanova	PECULIARITIES OF SOME SMELLS CODE IN MIRCEA ELIADE'S LITERATURE SPACE	626
Lynda FERFECHE Debbache Nadra Tahar SEHLI	SUPERIOR REMOVAL OF PHARMACEUTICAL POLLUTANT FROM WATER WITH A NEW PHOTOCATALYST BY AN ECO-FRIENDLY TECHNOLOGY	627
M.K.GANESHAN	CSR AND ESG IN INDIA: FUTURE OF SUSTAINABLE AND RESPONSIBLE GROWTH	628
Ashwathġ A V Sabeel M Basheer	HYDROXY NAPHTHALDEHYDE -LANTHANIDE COMPLEXES: ADVANCEMENTS IN LUMINESCENCE AND POLYMER COMPOSITE APPLICATIONS	629
Anup Kumar Dhanesh Tiwary K.D. Mandal	INVESTIGATION OF ELECTRICAL & DIELECTRIC PROPERTIES OF COMPLEX PEROVSKITE Gd <sub>2</sub> /3Cu <sub>3</sub> T <sub>4</sub> O <sub>12</sub> and Gd <sub>2</sub> /3Cu <sub>3</sub> T <sub>3.95</sub> Co <sub>0.025</sub> V <sub>0.025</sub> O <sub>12</sub> CERAMIC SYNTHESISED VIA NOVEL SEMIWET ROUTE	630
Cristina Botilcġ	DEATH AND POP CULTURE: MODERN INNOVATIONS IN BODY DISPOSAL AND THEIR CULTURAL IMPACT	631
Sandhya Rao Mehta Victoria Tuzlukova	LINGUISTIC LANDSCAPE IN ENGLISH LANGUAGE TEACHING: STRATEGIES AND HANDS-ON PRACTICES	632
Muhammad Mudassir Nazir Syed Waseem Azhar Seemab	A STUDY OF LANGUAGE PLANNING AND POLICIES IN PAKISTAN (1998-2017): THEORY AND PRACTICE IN ESL CONTEXT	633

Gargi Tyagi Raf Raf Shakil Ansari	DEFYING THE HIERARCHY: CASTE AND RESISTANCE IN MANORANJAN BYAPARI'S INTERROGATING MY CHANDAL LIFE	634
Priyadarshini Das Raf Raf Shakil Ansari	A WORD CALLED HOME: LAND, DISPLACEMENT, AND RESISTANCE IN MAHMOUD DARWISH'S 'I BELONG THERE'	635
Marinache Ramona Marinescu Valentina	MEDICAL ADVERTISING AND HUMOR	636
Marinescu Valentina Marinache Ramona	IMPACT OF SOUTH KOREAN WAVE IN ROMANIA	637
Mohammad Waheeb Abad El-Aziz Mahmoud	A UNIQUE PREHISTORIC ANIMAL KITES FROM AL HALABAT/ JORDAN – SOUTH LEVANT	638-644
Amirul Islam Baly Khatun Parosha Jaha Shatul Asiya Khatun Murshida Khatun	DISCOVERING HERD MANAGEMENT AMONG THE EARLIEST PASTORAL SOCIETIES IN SOUTH ASIA: INTEGRATING SOLID ISOTOPE DATING WITH ZOO-ARCHAEOLOGICAL DATA	645
Radoslav BALTEZAREVIĆ Ivana BALTEZAREVIĆ	EFFECTS OF IN-GAME ADVERTISING ON THE WORLD ECONOMY	646-652
Radoslav BALTEZAREVIĆ Associate Professor Ivana BALTEZAREVIĆ	THE ADVANTAGES OF SENTIMENT ANALYSIS DRIVEN BY ARTIFICIAL INTELLIGENCE (AI)	653-661
Monica Alina Toma	JOY AND SORROW IN THE FEMININE IMAGE. A STUDY OF NICHITA STĂNESCU'S LOVE POETRY	662-665
Ishwar Mittal Aarti Rosy Dhall Mikul	EXPLORING THE IMPACT OF PERCEIVED PRODUCT QUALITY ON BRAND LOYALTY: THE MEDIATING ROLE OF CUSTOMER SATISFACTION	666
Ishwar Mittal Aarti Rosy Dhall Mikul	INFLUENCE OF PRODUCT AND SERVICE QUALITY ON BRAND LOYALTY IN QUICK-SERVICE RESTAURANTS	667
Zohaib Hassan Sain	CHATGPT FOR POSITIVE IMPACT? EXAMINING THE OPPORTUNITIES AND CHALLENGES OF LARGE LANGUAGE MODELS IN EDUCATION	668
Zohaib Hassan Sain	EXPLORING THE INTERSECTION OF SOCIOLOGY AND EDUCATION: A STUDY OF HIGHER EDUCATION IN PAKISTAN	669
OYETADE Oluwatoyese IBITOYE Stella Opeyemi ONYIA Ethel Chidubem	EMPIRICAL ANALYSIS OF DEBTS ON ECONOMIC GROWTH IN NIGERIA USING ARDL APPROACH	670
. Suresh Maind Swati Ingle	KEY DETERMINANTS OF AGRICULTURAL INCOME AMONG FARMERS: A CASE STUDY OF WARDHA DISTRICT IN MAHARASHTRA	671-674
Arda ÖZDEMİR	EAR RECONSTRUCTION IN ACQUIRED DEFECTS	675-690
Yasemin SAĞLAN Hüseyin BALCIOĞLU	DRUG USAGE HABITS IN THE EXAMPLE OF CHRONIC DISEASE	691-692

Yasemin CEYHAN Nurdan AYMELEK ÇAKIL	A QUALITATIVE STUDY ON THE DIFFICULTIES EXPERIENCED BY NURSES AND THEIR COPING METHODS DURING THE COVID-19 PANDEMIC	693-706
Fatma Özlem KARGIN SOLMAZ Jale AKGÖL Hacer ÖZDEMİR Funda ATALAY Dağıştan Tolga ARIÖZ Meltem BAYKARA Beyza ÜNLÜ Hacer DEMİR	RELATIONSHIP BETWEEN GST-PI LEVEL AND CYP1B1 POLYMORPHISM WITH OVARIAN CANCER	707-716
Ersun IŞIN Yusuf Ziya HAZERAL Nezahat OLACAK Senem ALANYALI	DOSIMETRIC COMPARISON OF HYBRID VMAT, PARTIAL VMAT AND FIF PLANNING TECHNIQUES FOR LEFT BREAST CANCER RADIOTHERAPY	717-720
Nuri Koray ÜLGEN Nihat YİĞİT	INVESTIGATION OF THE REGIONAL DISTRIBUTION OF TENDON INJURES	721-722
Duygu TURAN	BPA, BPS, and BPAF's ACUTE TOXIC EFFECTS ON SPIRULINA SP. AND CHLORELLA VULGARIS	723-724
Havva DEĞİRMENCI TARAKCI E.Ebru ŞENTÜRK H.Elçin ÖZBEK Demet TATAR Tuğba SABAH	A STUDY ON THE ATTITUDES AND BEHAVIORS OF PHYSICIANS WORKING IN HOSPITALS TOWARDS MEDICAL SECRETARIES: THE ÇORUM EXAMPLE	725-735
Dilek ZENGİN	DIGITAL HEALTH AND ARTIFICIAL INTELLIGENCE IN PEDIATRIC NURSING	736-737
Merve NEZİR Hanife ALTINIŞIK	EVALUATION OF THE EFFECT OF HOME BLEACHING APPLICATION ON THE COLOR OF COLORED BULK-FILL COMPOSITE RESINS	738-739
Melike ÇEBİ KILIÇOĞLU	A METAGENOMIC PERSPECTIVE ON PLANT MICROBIOTAS AND TOXIC METAL INTERACTIONS	740-741
Ümran CANSU	MODIFICATION OF PEA PROTEIN WITH MICROBIAL TRANSGLUTAMINASE	742-747
Nevra KARACA BIÇAKÇI Binali ÇATAK Birsen ALTAY Ayşe ÇALMAZ Güven SONER	QUALITATIVE RESEARCH ON ELDERLY PEOPLE'S PERCEPTION OF SEXUALITY AND SEXUAL LIVES	748-749
Murat KALFA Mesut GÜLEŞÇE	THE TRIANGLE OF ORGANIZATIONAL JUSTICE, CYNICISM AND ORGANIZATIONAL COMMITMENT IN PUBLIC SPORTS ORGANIZATIONS	750-751
Mesut GÜLEŞÇE Murat KALFA Kemal SARGIN	THE POWER OF RHYTHM: THE INTERACTION OF MUSIC AND SPORTS IN TURKISH CULTURE	752-753
Erkan GÜLGÖSTEREN Arif ÖZSARI	THE EFFECT OF SPORTS EDUCATION ON THE LIFE SKILLS OF TRAINABLE MENTALLY DISABLED INDIVIDUALS	754-763

Prasad Sadvilkar	NAVIGATING CLIMATE FINANCE: LEVERAGING GLOBAL LESSONS FOR DEVELOPING COUNTRIES' SUSTAINABLE DEVELOPMENT GOALS	764-768
Suresh Maing Gaurav Ghadi	EMPIRICAL ANALYSIS OF IRRIGATION AND AGRICULTURE PRODUCTIVITY IN INDIA	769-771
Tahir Qureshi Anita Sable Shaeyuq Ahmad Shah	GLOBAL WATER SECURITY: THE LEGAL PATHWAYS AND CHALLENGES OF SECURITIZATION	772
Mohamed KARIM Jamal JAFRAN Salah-eddine KARIM	A NEW PARADIGM FOR THE MANAGEMENT OF PUBLIC ORGANIZATIONS	773
Jamal JAFRAN Rajaa FAIK Fatimaezzahra ELHASSADE	COMPETENCE MANAGEMENT FOR THE BENEFIT OF PUBLIC ORGANIZATIONS	774
Kastriote VLAHNA	THE DEVELOPMENT OF THE CONTESTED CIVIL PROCEDURE IN THE DECISION-MAKING PHASE	775
Dafina VLAHNA	INCOME TAX ACCORDING TO LAW IN KOSOVO	776
ARSENI Igor	LEGAL STATUS AND FEATURES OF PARTICIPATION OF FOREIGN CITIZENS IN CIVIL PROCEEDINGS REPUBLIC OF MOLDOVA	777-786
Sama Sepordeh Ramin Aslani Amirmohammad Jafari	NOVEL APPROACHES OF PESTICIDE DECONTAMINATION IN THE MATRIX OF FOOD PRODUCTS: A REVIEW	787
Sama Sepordeh Ramin Aslani Amirmohammad Jafari	TRENDS IN CHEMICAL ASSESSMENT OF POSTBIOTICS	788
Noémi Mózes Andrea Lehoczki Mónika Fekete János T Varga	EFFECTS OF COENZYME Q10 SUPPLEMENTATION IN CLINICAL TRIALS	789-793
R. Hari Prasada rao Agam Das Goswami	DESIGN OF AN EFFICIENT MODEL FOR LUNG NODULE ANALYSIS USING MULTIPLE MODALITY FUSION, WEAKLY SUPERVISED LEARNING, AND DOMAIN ADAPTATION	794
Sanju Dahiya Munish Garg	FORMULATION AND EVALUATION OF MORINGA OLEIFERA LEAVES ASH OPTIMIZED TABLETS WITH HIGH NUTRITIVE POTENTIAL	795
Prashant Sahn Savita Sharma	ELUCIDATING THE POTENTIAL OF FORAGE LEGUMES ALFALFA AND DHAINCHA FOR FOOD USE BY EVALUATION OF ITS QUALITY ATTRIBUTES, NUTRITIONAL COMPOSITION, BIOACTIVE POTENTIAL AND FUNCTIONAL PROPERTIES	796
Rejinaldo Gjerazi	PHYSICAL PREPARATION METHODS FOR YOUNG FOOTBALL PLAYERS: OPTIMIZING PERFORMANCE FOR AGES 13-14	797-802
Ramesh Babu Vure Lalitha Kumari Pappala	ADVANCED DEEP LEARNING MODELS FOR ISCHEMIC STROKE LESION SEGMENTATION IN MEDICAL IMAGING	803

Zuhairu Ado Tajuddeen Mohammed Aminu Haruna Ibrahim Tanko Linus	THE IMPACT OF ENVIRONMENTAL FACTORS ON ACADEMIC PERFORMANCE: A PSYCHOLOGICAL PERSPECTIVE IN JIGAWA STATE	804
Manaswi	WITCHES' AND THE POWER-PARADOX IN JHARKHAND: ANALYSING SOCIO-LEGAL NIHIILITIES	805
Maribel Caicedo	POVERTY AS A DETERMINANT OF DOMESTIC FIREWOOD CONSUMPTION AND ITS EFFECT ON THE FORESTS OF ECUADOR	806
Faiz Muhammad Shaikh Muhammad Zafar Wassan Zubair Shaikh	HONOUR KILLING AND WOMEN IN SMES BUSINESS OPPORTUNITIES AND CHALLENGES: A CASE STUDY OF SALEH PAT SUKKUR	807
Hoda Saghafi Sareh Larijani	ANALYSIS OF THE PERSONALITY TRAITS OF THE QUEEN OF SHEBA BASED ON THE QUR'ANIC VERSES	808-812
Anna Stefanowicz-Kocof	DISCURSIVE CONSTRUCTIONS OF SELF AND GROWTH: ANALYSING STUDENT EXPERIENCES IN AN ESP COURSE	813-823

## ANALYSIS OF THE RELATIONSHIP BETWEEN THE LONELINESS, ALIENATION, AND STRESS LEVELS OF THE PERSONNEL WORKING UNDERGROUND IN THE URBAN RAIL SYSTEM LINES IN ISTANBUL

**Fatih İLHAN**

İstanbul METRO A.Ş.

ORCID: 0009-0003-8957-3162

**İbrahim GÜNEY**

İstanbul Sabahattin Zaim Üniversitesi

ORCID: 0000-0001-8290-6532

### ABSTRACT

This study aims to investigate the relationship between loneliness, alienation, and stress levels among underground personnel working in the urban rail system lines in Istanbul. To achieve this, we utilized the Workplace Loneliness, Alienation, and Stress scales. The study examined the dimensions of workplace loneliness, emotional deprivation, and social companionship within the loneliness scale; meaninglessness, self-alienation, and powerlessness within the alienation scale; and a single dimension for the stress scale. Construct validity of the scales was assessed through factor analysis. Data analysis involved correlation analysis to explore the relationships between participants' levels of workplace loneliness, alienation, and stress. The findings reveal a significant and positive correlation between participants' loneliness and their levels of alienation and stress. Additionally, a positive and significant relationship was observed between participants' stress levels and their level of alienation. These results highlight the interconnectedness of these psychological factors among underground rail system personnel in Istanbul.

**Keyword:** Alienation, Stress, Loneliness, Social Companionship, Self-Estrangement.

### 1.INTRODUCTION

Researchers have extensively studied loneliness, stress, and alienation, yet these concepts continue to pose complex and multifaceted challenges, particularly in occupational environments. Loneliness, a deeply personal and subjective experience, has become a significant issue in modern society. It can manifest in various forms, including emotional deprivation and the lack of social companionship, each uniquely affecting an individual's well-being.

Similarly, stress is a pervasive phenomenon that is challenging to define due to its subjective nature. Hans Selye (1977) characterized stress as the body's non-specific response to external demands, while Magnuson (1990) described it as a reaction to the gap between reality and expectations. Davis (1982) further defined *stress* as a state of tension impacting an individual's ability to cope with their environment, influencing both emotional and physical health.

Alienation, another critical concept in this study, refers to a person's estrangement from their values, self, and society.

This research investigates the interrelationship between loneliness, stress, and alienation among underground personnel in Istanbul's urban rail system. The study aims to comprehensively understand how these psychological factors interplay and impact employees in high-stress, isolated work environments.

The structure of the study is as follows: The initial section outlines the problem statement and the significance of the research. The second section elaborates on the conceptual framework, examining the constructs of workplace loneliness, stress, and alienation. The third section describes the research methodology, including data collection and analysis procedures. The final section presents and interprets the findings, offering insights into the interconnectedness of these variables.

#### 1.1. Problem Statement

Identifying and understanding employees' levels of loneliness, stress, and alienation is vital for maintaining a productive and healthy work environment. Negative experiences in any of these areas can significantly reduce employee performance and disrupt interpersonal relationships within the workplace. Conversely, addressing these issues can enhance employee motivation and overall workplace efficiency.

#### 1.2. Main Research Question

This study seeks to answer the primary question: "Is there a significant relationship between the levels of loneliness, stress, and alienation among underground personnel in Istanbul's urban rail system?" To explore this question, the research also examines the relationships between:

- Stress and each variable of emotional deprivation, social companionship, meaninglessness, self-alienation, and powerlessness.
- Emotional deprivation and alienation within the context of workplace loneliness.
- Social companionship and alienation within the context of workplace loneliness.

#### Research Purpose

This research aims to elucidate the relationships between loneliness, stress, and alienation among underground personnel in Istanbul's urban rail system. The study aims to determine whether significant correlations exist between stress and variables such as emotional deprivation, social companionship, meaninglessness, self-alienation, and powerlessness. Additionally, the research seeks to uncover the dynamics between emotional deprivation, social companionship, and alienation within the framework of workplace loneliness.

By addressing these objectives, this study aspires to contribute to the broader understanding of psychological well-being in occupational settings, particularly in high-stress and isolated work environments such as urban rail systems.

#### Importance of the Research

This research is essential in determining the relationship between alienation, stress, and workplace loneliness in the context of personnel working underground on urban rail system lines in Istanbul. By examining personnel levels in these areas, this research enables us to make informed inferences about potential future actions that organizations can take.

#### Assumptions of the Research

1. It was assumed that the participants in the sample responded sincerely to the scales used to collect data in the research.
2. It was accepted that the sample preferred for the research represented the entire universe.
3. The research is thought to collect sufficient and reliable information to reveal the relationship between alienation, stress, and workplace loneliness levels of personnel working underground on urban rail system lines in Istanbul.

#### Limitations of the Research

The research was limited to personnel working underground on urban rail system lines in Istanbul in 2019. The research was limited to the survey questions used as the evaluation method.

## 2.METHOD

### 2.1. Research Model

This study employs a relational screening model to examine the relationship between workplace loneliness, alienation, and stress levels among underground personnel in Istanbul's urban railway lines. This model effectively reveals relationships between variables (Karasar, 2005, p. 49).

### 2.2. Research Population and Sample

The research population consists of underground personnel in Istanbul's urban railway lines. Due to the large size of this population, the convenience sampling method, a non-random sampling technique, was chosen for its cost-effectiveness and ease of implementation.

### 2.3. Data Collection

We collected data for this study through face-to-face surveys, ensuring accurate responses while maintaining objectivity by not collecting personal information such as names and surnames.

The survey consists of 42 questions divided into four sections: a Personal Information Form and scales for "Workplace Loneliness," "Alienation," and "Stress." The first section gathers demographic data, while the subsequent sections include scales developed based on a literature review. Researchers analyzed the data using SPSS 25 software (Statistical Package for the Social Sciences) and presented the results in tables throughout the relevant sections.

#### 2.3.1. Stress Scale

The stress scale includes three statements designed to assess participants' stress levels. These statements are:

- "In the last month, how often did you feel that you could not control the important things in your life?"
- "In the last month, how often did you feel that everything was going well?"
- "In the last month, how often did you feel that problems piled up so much that you could not overcome them?"

Participants responded on a 5-point Likert scale ranging from "never" to "very often."

#### 2.3.2. Loneliness Scale

The loneliness scale includes 16 statements to measure participants' levels of loneliness, divided into two dimensions: emotional deprivation and social companionship. Sample statements include:

- Emotional Deprivation: "I often feel that my coworkers keep their distance from me," "I feel emotionally distant from my coworkers."
- Social Companionship: "There are people at work who bother to listen to me," "I am satisfied with my relationships at work."

Participants rated these statements on a scale from "completely inappropriate" to "completely appropriate."

#### 2.3.3. Alienation Scale

The alienation scale comprises 17 statements across three dimensions: meaninglessness, self-alienation, and powerlessness. Sample statements include:

- "I cannot make decisions about my job without consulting my superiors."
- "I do not have the opportunity to make changes in matters related to my job."
- "The work I do at work is mostly determined by others."

- "I cannot meet my own expectations while doing my job."

These statements are also rated from "completely inappropriate" to "completely appropriate." Researchers assessed the reliability of each dimension in the workplace loneliness scale using Cronbach's Alpha. They provided factor analysis results in the tables below, including factor loadings, factor distribution, and reliability coefficients. The analysis revealed that workplace loneliness comprises two factors, emotional deprivation, and social companionship, consistent with the original scale. The Kaiser-Meyer-Olkin test statistic (.808), chi-square (582.164), and significance value (.000) confirmed the scale's reliability and validity.

**Table 1: Workplace Loneliness Scale Factor Analysis**

	FAKTÖR	
	1	2
<b>Factor 1: Emotional Deprivation</b>		
Item 11	,814	
Item 13	,776	
Item 12	,745	
Item 10	,699	
Item 16	,649	
Item 17	,542	
<b>Factor 2: Social Friendship</b>		
Item 25		,849
Item 23		,754
Item 24		,685
Item 21		,656
Item 14		,581
<b>Kaiser-Meyer-Olkin Test of Sample Adequacy: ,808</b>		
<b>Chi-Square: 582,164 df: 55 Significance: ,000</b>		

**Table 2: Reliability Statistics for Workplace Loneliness**

	Cronbach's Alpha	Item Sayısı
<b>Factor 1: Emotional Deprivation</b>	,815	6
<b>Factor 2: Social Friendship</b>	,776	5

Table 2 shows that the emotional deprivation dimension, consisting of 6 items, has a reliability coefficient of 0.815, and the social companionship dimension, consisting of 5 items, has a reliability coefficient of 0.776. Since both values exceed 0.70, we can infer that the reliability of the scale's factors is high.

**Table 3: Variance Statistics Explained for Workplace Loneliness**

	Variance Explained	Number of items
<b>Factor 1: Emotional Deprivation</b>	36,747	6
<b>Factor 2: Social Friendship</b>	17,456	5
<b>Total</b>	% 54,203	11

The analysis of variance determined how and to what degree the two factors of the scale explain the concept. The first factor, emotional deprivation, accounts for 36.7% of the concept, while the dimension of social companionship accounts for 17.4%. Combined, these two dimensions explain 54.2% of the concept. A total variance explanation between 40-60% in social science applications is considered acceptable (Scherer et al., 1988). Therefore, this analysis of variance falls within the expected range.

### **Alienation Scale Factor Analysis Results**

To determine the reliability of the alienation scale expressions, the Cronbach's Alpha value was calculated. The tables below present the factor analysis results, including factor loadings, factor distribution, and reliability coefficients. The analysis revealed that the concept of alienation is comprised of three factors, consistent with the original scale: Meaninglessness, Self-Alienation, and Powerlessness. The Kaiser-Meyer-Olkin test statistic (.842), chi-square value (798.111), and significance value (.000) indicate that the scale is suitable for factor analysis.

**Table 4: Alienation Scale Factor Analysis Results****FACTOR 1: Meaninglessness**

	<b>FACTOR LOAD</b>
Item 36	,777
Item 33	,752
Item 34	,715
Item 40	,657
Item 35	,633
Item 32	,601
Item 42	,559

**FACTOR 2: Self-Alienation**

	<b>FACTOR LOAD</b>
Item 39	,807
Item 29	,751
Item 41	,666
Item 38	,612
Item 31	,520

**FACTOR 3: Weakness**

	<b>FACTOR LOAD</b>
Item 27	,757
Item 28	,738
Item 26	,660

**Kaiser-Meyer-Olkin Test of Sample Adequacy: ,842****Chi-Square: 798,111 df: 105 Significance: ,000****Toplam Açıklanan Varyans: % 54,950****Table 5: Reliability Statistics for the Alienation Scale**

	<b>Cronbach's Alpha</b>	<b>Number of Items</b>
<b>Factor 1: Meaninglessness</b>	,834	7
<b>Factor 2: Self-Alienation</b>	,768	5
<b>Factor 3: Weakness</b>	,605	3

Table 5 shows that the reliability coefficient for the Meaninglessness dimension, which consists of 7 items, is 0.834. The Self-Alienation dimension, consisting of 5 items, has a reliability coefficient of 0.768, and the Powerlessness dimension, consisting of 3 items, has a reliability coefficient of 0.605. Since the first two values exceed 0.70, we can infer that the reliability of these factors is high.

**Table 6: Variance Statistics Explained for Workplace Loneliness**

	<b>Variance Explained</b>	<b>Number of Items</b>
<b>Factor 1: Meaninglessness</b>	33,848	7
<b>Factor 2: Self-Alienation</b>	11,999	5
<b>Factor 3: Weakness</b>	9,102	3
<b>Total</b>	<b>% 54,203</b>	<b>15</b>

The analysis of variance determined how and to what extent the three factors of the scale explain the concept. The Meaninglessness dimension, the first factor, explains 33.7% of the concept. The Self-Alienation dimension, the second factor, accounts for 11.9% of the concept. The Powerlessness dimension, the third factor, explains 9.9% of the concept. Together, these three dimensions explain 54.2% of the concept.

### Stress Scale Factor Analysis Results

Researchers determined the reliability of the statements in the stress scale using Cronbach's Alpha. The tables below present the factor analysis results, including factor loadings, factor distribution, and reliability coefficients. The analysis revealed that the concept of stress is represented by a single factor, consistent with the original scale. The Kaiser-Meyer-Olkin test statistic (.644), chi-square value (51.731), and significance value (.000) indicate that the scale is suitable for factor analysis.

**Table 7: Stress Scale Factor Analysis Results**

<b>FACTOR 1: Stress</b>	
	<b>FACTOR LOAD</b>
Item 8	-,765
Item 6	,750
Item 9	,741
<b>Kaiser-Meyer-Olkin Test of Sample Adequacy: ,644</b>	
<b>Chi-Square: 51,731 df: 3 Significance: ,000</b>	

**Table 8: Reliability Statistics for the Stress Scale**

	<b>Cronbach's Alpha</b>	<b>Item Sayısı</b>
<b>Factor 1: Stress : Kendine Yabancılaşma</b>	0.615	3

Table 8 shows that the reliability coefficient for the stress dimension, consisting of 3 items, is 0.615. Since this value exceeds 0.60, we can infer that the reliability of this factor is high.

**Table 9: Variance Statistics Explained for the Stress Scale**

	<b>Açıklanan Varyans</b>	<b>Item Sayısı</b>
<b>Factor 1: Stress : Self-Alienation</b>	56,571	3
<b>Total</b>	<b>% 56,571</b>	3

The analysis of variance determined how and to what degree the stress factor explains the concept. The stress factor accounts for 56.7% of the concept, explaining a total of 56.7%.

## 3. ANALYSIS

### 3.1. General Descriptive Statistics of Participants

This section presents the frequency and percentage distributions of the respondents based on their gender, age, educational status, years of employment, type of institution, and department. Table 10 shows the gender distribution of the participants.

**Table 10: Demographic Characteristics of Respondents**

<b>Gender</b>		
	Number of People	Percent
Male	151	94,4
Woman	9	5,6
Total	160	100,0
<b>Age</b>		
	Number of People	Percent
20-30	33	20,6
31-40	75	46,9
41-50	50	31,3
51-60	2	1,3
Total	160	100,0
<b>Marital Status</b>		
	Number of People	Percent
Evli	119	74,4
Bekâr	38	23,8
Total	160	100,0
<b>Education Level</b>		
	Number of People	Percent
Primary Education	7	4,4
High school	75	46,9
Associate Degree	32	20,0
License	42	26,3
Master	4	2,5
Total	160	100,0
<b>Working time</b>		
	Number of People	Percent
1-5	50	31,3
6-10	51	31,9
11-15	34	21,3
16-20	15	9,4
21-30	10	6,3
Total	160	100,0

According to Table 10, of the 160 survey participants, 94.4% (n=151) are male, and 5.6% (n=9) are female. The age distribution shows that 20.6% (n=33) of the participants are in the "youngest" employee group (20-30 age range), while 1.3% (n=2) belong to the "oldest" employee group (51-60 age range). Regarding marital status, 74.4% (n=122) of the participants are married, and 23.8% (n=38) are single. Educationally, 46.9% (n=75) of the employees are high school graduates, and 2.5% (n=4) hold a master's degree. Additionally, 31.9% (n=51) of the respondents have 6-10 years of work experience, while 6.3% (n=10) have 21-30 years of work experience.

### 3.2. Testing Problem Situations

This section presents the results related to the problem statements formulated for the research. To uncover these results, correlation analysis was employed to identify the relationships between variables.

**Table 11: Correlation Analysis**

	Loneliness	Alienation	Stress
Loneliness	-		
Alienation	.386**	-	
Stress	.269**	.289**	-

\*  $p < .01$ , \*\*  $p < .05$

The analysis results revealed a significant positive relationship between workplace loneliness and alienation ( $r = .386$ ,  $p < .01$ ). This indicates that as participants' workplace loneliness increases, their level of alienation also increases correspondingly. Additionally, the analysis showed a significant positive relationship between workplace loneliness and stress ( $r = .269$ ,  $p < .01$ ), suggesting that higher stress levels are associated with increased workplace loneliness. Finally, a significant positive relationship was found between alienation and stress ( $r = .289$ ,  $p < .01$ ), meaning that as stress levels rise, the level of alienation also increases.

**Table 12: Correlation Analysis**

	1	2	3	4	5	6
Stress	-					
Emotional Deprivation	.296**	-				
Social Friendship	-.151	-.362**	-			
Meaninglessness	.245**	.526**		-		
Self-Alienation	.334**	.378**	-.167*	.572**	-	
Weakness	.053	.077	-.052	.133	.166*	-

\*  $p < .01$ , \*\*  $p < .05$

The analysis shows a significant positive relationship between participants' stress levels and the variables of emotional loneliness ( $r = .296$ ,  $p < .05$ ), meaninglessness ( $r = .245$ ,  $p < .05$ ), and self-alienation ( $r = .334$ ,  $p < .05$ ). Conversely, the analysis finds no significant relationship between participants' stress levels and the variables of social companionship and powerlessness.

**Table 13: Correlation Analysis**

	Emotional Deprivation	Meaninglessness	Self-Alienation	Weakness
Emotional Deprivation	-			
Meaninglessness	.526**	-		
Self-Alienation	.378**	.572**	-	
Weakness	.077	.133	.166*	-

\*  $p < .01$ , \*\*  $p < .05$

The table reveals a significant positive relationship between participants' levels of emotional deprivation and the levels of meaninglessness and self-alienation. However, it shows no significant relationship between emotional deprivation and powerlessness, one of the sub-dimensions of alienation.

**Table 14: Correlation Analysis**

	Social Friendship	Meaninglessness	Self- Alienation	Weakness
Social Friendship	-			
Meaninglessness	-.214**	-		
Self-Alienation	-.167*	.572**	-	
Weakness	-.052	.133	.166*	-

\*  $p < .01$ , \*\*  $p < .05$

The table reveals a significant negative relationship between participants' levels of social companionship and meaninglessness and self-alienation. However, it shows no significant relationship between social companionship and powerlessness, one of the sub-dimensions of alienation.

#### 4. CONCLUSION

##### Conclusions and Discussion in the Context of the Main Problem of the Research

The analysis reveals a significant positive relationship between workplace loneliness and alienation, as well as between workplace loneliness and stress. Additionally, there is a significant positive relationship between alienation and stress. In this context, Duru (1995) found a high correlation between alienation and loneliness among 195 first-year university students, noting that social relations and familial characteristics particularly influenced these levels.

Elma's (2003) study, "Alienation of Primary School Teachers from Work," examined alienation in terms of powerlessness, meaninglessness, isolation, alienation from school, and alienation from work. The study found that teachers' perceptions of school alienation and powerlessness were higher than other dimensions.

Manderscheid (1981) suggested that alienation can be a coping mechanism for stress, acting as a warning signal. His study revealed that cognitive and affective indicators of alienation dimensions (powerlessness, meaninglessness, normlessness, isolation, and self-alienation) are closely related to stress levels.

Büyükyılmaz's (2007) research, "Socio-Psychological Effects of Alienation in Enterprises and an Application in the Turkish Hard Coal Corporation," explored the dimensions and reasons for alienation. Among 342 workers in the complex coal industry, the study identified five sub-dimensions of alienation: powerlessness, meaninglessness, irregularity, alienation from society, and self-alienation, with powerlessness being the most prominent.

Bulut's (2010) study, "The Effect of Working Conditions on Employees in Hospital Enterprises and an Application in Göztepe Training and Research Hospital," highlighted that workplace uncertainty, material, and moral dissatisfaction, and an uncertain future increased stress levels, thereby raising the level of alienation among 113 hospital employees.

## Conclusions and Discussion on Sub-Problems

### Conclusion and Discussion on the First Sub-Problem

The results of the first sub-problem reveal a significant positive relationship between participants' stress levels and the variables of emotional deprivation, meaninglessness, and self-alienation. Conversely, the analysis shows no significant relationship between participants' stress levels and social companionship and powerlessness variables. Powerlessness, defined as an individual's perceived lack of freedom and control over structure and events (Seeman, 1959; Goldsby, 1998), negatively impacts employees' quality of life. This lack of control leads to undesirable employee and organizational problems (Kanungo, 1992).

Self-alienation occurs when an individual's behavior does not align with their future expectations, resulting in a mismatch between employees' current workplace situation and their expectations. This mismatch causes future uncertainty and stress (Mottaz, 1981).

Meaninglessness arises when employees must understand their contribution to the organization or production (Blauner, 1964). This lack of understanding is crucial because it affects employees' perception of their organizational role. Over time, this uncertainty leads to job dissatisfaction (Nelson & O'Donohue, 2012).

### Conclusion and Discussion on the Second Sub-Problem

The correlation analysis for the second sub-problem reveals a significant positive relationship between participants' levels of emotional deprivation and the levels of meaninglessness and self-alienation. However, there is no significant relationship between emotional deprivation and powerlessness, one of the sub-dimensions of alienation.

Literature studies have examined the relationships between various variables and the sub-dimensions of alienation. Elma (2003) assessed teachers' levels of alienation from work and developed a relevant scale. Kulpa and Steitz (1984) explored whether adult professionals' perceptions of alienation and professional interest differ by gender. Their study, involving 233 adults, found that the psychological structure of alienation differs between women and men, with women generally perceiving grief as a more negative situation.

## Conclusions and Discussion on Sub-Problems

### Conclusion and Discussion on the First Sub-Problem

The results of the first sub-problem reveal a significant positive relationship between participants' stress levels and the variables of emotional deprivation, meaninglessness, and self-alienation. Conversely, the analysis shows no significant relationship between participants' stress levels and social companionship and powerlessness variables. Powerlessness, defined as an individual's perceived lack of freedom and control over structure and events (Seeman, 1959; Goldsby, 1998), negatively impacts employees' quality of life. This lack of control leads to undesirable employee and organizational problems (Kanungo, 1992).

Self-alienation occurs when an individual's behavior does not align with their future expectations, resulting in a mismatch between employees' current workplace situation and their expectations. This mismatch causes future uncertainty and stress (Mottaz, 1981).

Meaninglessness arises when employees must understand their contribution to the organization or production (Blauner, 1964). This lack of understanding is crucial because it affects employees' perception of their organizational role. Over time, this uncertainty leads to job dissatisfaction (Nelson & O'Donohue, 2012).

### Conclusion and Discussion on the Second Sub-Problem

The correlation analysis for the second sub-problem reveals a significant positive relationship between participants' levels of emotional deprivation and the levels of meaninglessness and self-alienation. However, there is no significant relationship between emotional deprivation and powerlessness, one of the sub-dimensions of alienation.

Literature studies have examined the relationships between various variables and the sub-dimensions of alienation. Elma (2003) assessed teachers' levels of alienation from work and developed a relevant scale. Kulpa and Steitz (1984) explored whether adult professionals' perceptions of alienation and professional interest differ by gender. Their study, involving 233 adults, found that the psychological structure of alienation differs between women and men, with women generally perceiving grief as a more negative situation.

### KAYNAKLAR

Blauner, R. (1964). *Alienation And Freedom: The Factory Worker And His Industry. The Sociologica lQuarterly*, 6(1): 83-85.

Bulut, N. (2010). *Hastane İşletmelerinde Çalışma Koşullarının İşgörenler Üzerindeki Yabancılaşmaya Etkisi ve Göztepe Eğitim ve Araştırma Hastanesinde Bir Uygulama*, (Yüksek Lisans Tezi), Beykent Üniversitesi Sosyal Bilimler Enstitüsü İşletme Yönetimi Anabilim Dalı, İstanbul,

Büyükyılmaz, O. (2007). *İşletmelerde Yabancılaşmanın Sosyo Psikolojik Etkileri ve Türkiye Taşkömürü Kurumunda Bir Uygulama*, (Yüksek Lisans Tezi), Zonguldak Karaelmas Üniversitesi Sosyal Bilimler Enstitüsü, Zonguldak.

Davis, K. (1982). *İşletmelerde İnsan Davranışı*. Çev. K. Tosun vd., İstanbul: İstanbul Üniversitesi İşletme Fakültesi Yayınları.

Duru, E. (1995). *Üniversite Öğrencilerinde Yabancılaşma ve Yalnızlık Düzeyi İlişkisi*, (Yüksek Lisans Tezi), Dokuz Eylül Üniversitesi Sosyal Bilimler Enstitüsü Eğitim Bilimleri Anabilim Dalı, İzmir.

Elma, C. (2003). *İlköğretim Okulu Öğretmenlerinin İşe Yabancılaşması (Ankara İli Örneği)*, (Doktora Tezi), Ankara Üniversitesi Eğitim Bilimleri Enstitüsü, Ankara.

Goldsby, G.M. (1998). *New Organization Forms: An Examination of Alienation and Ideology in the Post industrial Workplace*. (Dissertation Doctor of Philosophy In Management), Faculty of the Virginia Polytechnic Institute and State University, Virginia.

Karasar, N. (2005). *Bilimsel Arastırma Yöntemi*. Ankara: Nobel Yayıncılık.

Karip, E. (1999). *Çatışma Yönetimi*. Ankara: Pegem Yayıncılık.

Kanungo, N.R. (1992). *Alienation and Empowerment: Some Ethical Imperatives in Business. Journal of Business Ethics*, 11 (5): 413-422.

Kulpa, C. M. ve Steitz J. A. (1984). *Occupational Involvement And Alienation Among Adults: The effects Of Gender and age. International Journal of Behavioral Development*, 7(4): 479-499.

Miceli, J. A. (1996). *Organizational Structure, Teacher Professionalism, Role Conflict and alienation In Public School Systems. Dissertation Abstracts International*. 56 (9)

Mottaz, C.J. (1981). *Some Determinants of Work Alienation. The Sociological Quarterly*, 22, 515-529.

Nelson, L. Ve O'Donohue, V. (2012). *Work Engagement, Burn-Out, And alienation: Linking New and Old Concepts Of Positive And Negative Work Experiences*. 2012 BAM Annual Conference. Track: Organizational Psychology.

Yeniçeri, Ö. (1991). *Örgütlerde Çatışma Ve Yabancılaşma Sorunlarının Yönetiminde Etkili Bir Araç Olarak Yönetime Katılma Ve Bir Uygulama*. (Yayınlanmamış Doktora Tezi). Kayseri: Erciyes Üniversitesi Sosyal Bilimler Enstitüsü.