III. INTERNATIONAL ISTANBUL SCIENTIFIC RESEARCH CONGRESS

January 8-10, 2021
Istanbul, TURKEY

CONGRESS PROGRAM
Online (with Video Conference) Presentation

Participant Countries:
Turkey, United States, Azerbaijan, Kyrgyzstan, Malaysia, Nigeria, South Korea, South Africa, Ghana, Morocco, Georgia, China

Meeting ID: 443 584 0491
Passcode: 9N48FT

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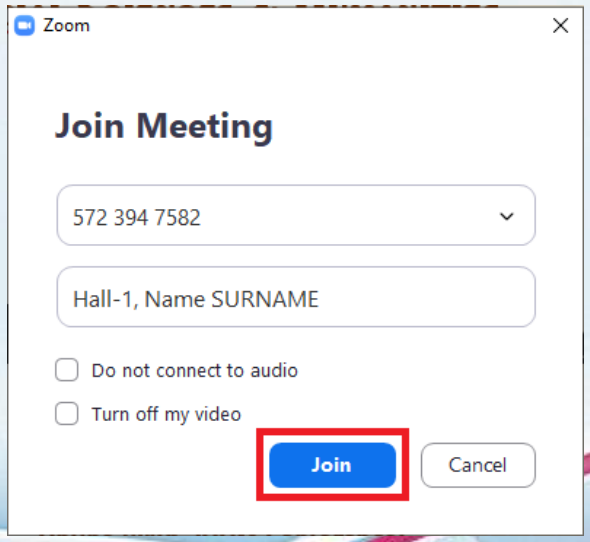
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*(All speakers required to be connected to the session **15 min before** the session starts)*
Moderator is responsible for ensuring the smooth running of the presentation, managing the group discussion and dynamics.

*Each presentation will take **10-15 minutes.** There will be a question and answer session for 5 minutes after the presentation.*

Before you login to Zoom please indicate your name_surname and HALL number:
exp. Hall-1, Name SURNAME



Opening Speechs & Presentations

Starts at 09:30 AM (Turkey Local Time)

Prof. Dr. Ali Bilgili

President of Scientific Comittee
Ankara University, Turkey

Prof. Dr. Kenan Dağcı

President
Regional Development Studies Institute (RDSI)

Prof. Dr. Eul-Teo LEE

Keynote Speaker
"The Relationship Between Remote Home Work, Leadership, and Human Resource Management"
Kunsan National University, South Korea

Dr. Kaan Diyarbakırlıoğlu

Head of Conference
Director and Conference Chair
ICONSOS International Academic Network

Dr. Rina Demjaha

Opening Presentation
Founder and Team Leader
Medical Students for Choice & HIFODER

Baha Ahmet Yılmaz

Co-Coordinator of Congress
Istanbul University, Turkey

SESSION (1)- HALL (1)

Meeting ID: 443 584 0491
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09.01.2021	Time: 10^{30}-12^{00} (Turkey Local time)	MODERATOR: *Prof. Dr. Ali BİLGİLİ*
Authors	**Affiliation**	**Topic title**
Ferda ÖNER Meltem NARTER	*Usküdar University*	EFFECT OF MINDFULNESS TRAINING ON STRESS DIMINUTION, AWARENESS AND SALES PERFORMANCE OF RETAIL SALES CONSULTANTS
Vahide ÇAKMAK Umut OTLU	*Demirci Number 4 Health Center*	THE IMPORTANCE OF RATIONAL DRUG USE IN COVID-19 TREATMENT
Vahide ÇAKMAK Umut OTLU	*Demirci Number 4 Health Center*	CONJUGE PNEUMOCOC VACCINE IN COVID 19 PANDEMIA
İlham AKDAĞ	*Independence Researcher*	ANALYSIS OF THE EFFECT OF SOME ECONOMIC INDICATORS IN TURKEY ON OBESITY BY MULTIPLE LINEAR
Faruk TONGA	*Amasya University*	ANALYSIS OF 219 PATIENTS WITH CARPAL TUNNEL SYNDROME WHO UNDERWENT SURGERY IN TERMS OF PERSONAL RISK FACTORS
Dilek ÖZBEYLİ Aslı AYKAÇ Gözde KARAKADIOĞLU Göksel ŞENER	*Marmara University,* *Near East University,* *Near East University,* *Marmara University*	INVESTIGATION OF THE PROTECTIVE EFFECTS OF PETROSELINUM CRISPUM ON SCOPOLAMINE-INDUCED MEMORY DYSFUNCTION
Gülbin KONAKÇI Aslı NEMLİ Orhan ÇAKIR	*İzmir Demokrasi University* *University of Health Sciences* *İzmir Tınaztepe University*	COVID-19 PANDEMIC PERCEPTION OF EMERGENCY NURSES: QUALITATIVE RESEARCH
Ali BİLGİLİ Başak HANEDAN Muhammet Haydar UYSAL	*Ankara University* *Erzurum Atatürk University* *Ankara University*	POISONOUS PLANTS IN LIVESTOCK ANIMALS, 2: MELIA AZEDARACH, RHODODENDRON SPP., QUERCUS SPP., SENECIO SPP.

SESSION (1) – HALL (2)

Meeting ID: 443 584 0491
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09.01.2021	Time: 10^{30}-12^{00} (Turkey Local time)	MODERATOR: *Dr. Dilek ÖZDEMİR GÜNGÖR*
Authors	**Affiliation**	**Topic title**
Dilek ÖZDEMİR GÜNGÖR	*İzmir Kâtip Çelebi University*	ARTIFICIAL INTELLIGENCE IN QUALITY MANAGEMENT IN PRODUCTION SYSTEMS
Merve Deniz PAK GÜRE Özgür İNCE	*Başkent University*	EXAMINING OF POLICIES AND SERVICES IN RARE DISEASES IN TERMS OF HISTORICAL PERSPECTIVE IN TURKEY
Sebahat Yaprak ÇETİN	*Akdeniz University*	INVESTIGATION OF THE EFFECT OF DISEASE ACTIVITY AND FUNCTIONALITY ON ACTIVITY PERFORMANCE IN INDIVIDUALS WITH ANKYLOSING SPONDYLITIS
Hasan ESKALEN	*Kahramanmaraş Sütçü İmam University*	INVESTIGATION OF THE STRUCTURAL PROPERTIES OF MgO NANOPARTICLES SYNTHESIZED BY THE HYDROTHERMAL METHOD
Gülşah KÖSE Merve HASAR Nazlı YAMAN	*Mugla Sıtcı Kocman University*	DETERMINATION OF NURSES' KNOWLEDGE LEVELS RELATED TO TOTAL PARENTERAL NUTRITION PRACTICES
Tuba YILDIZ Sibel BÖLEK	*University of Health Sciences*	A COMPARISON OF MODIFIED ATMOSPHERE, COLD CHAIN AND NANOTECHNOLOGY APPLICATIONS IN THE STORAGE OF MEAT AND MEAT PRODUCTS.

SESSION (1) – HALL (3)

Meeting ID: 443 584 0491
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09.01.2021	Time: 10^{30}-12^{00} (Turkey Local time)	MODERATOR: *Prof. Dr. Öner Yusuf TORAMAN*
Authors	**Affiliation**	**Topic title**
Berkant COŞKUNER Şeyda PARLAR Yaşar EREN	*Konya Technical University*	"INVESTIGATION OF RELATIVE TECTONIC ACTIVITY OF THE KARAPINAR (KONYA)REGION BY GEOMORPHIC INDICES"
Berkant COŞKUNER Şeyda PARLAR Yaşar EREN Şükrü ARSLAN	*Konya Technical University*	"PRESENT-DAY SURFACE DEFORMATION ON THE SOUTHEASTERN EDGE OF THE KARAPINAR (SULTANIYE) GRABEN (SIYEKLIK-KARAPINAR / KONYA)
İbrahim KONUK	*Artvin Coruh University*	ANALYSIS OF DIAMOND SOCKETS WITH ULTRASONIC METHOD
Hasan DİLBAS	*Van Yüzüncü Yıl University*	EFFECT OF CONCRETE MIXING METHODS ON STATISTICAL PARAMETERS OF RECYCLED AGGREGATE CONCRETE
Öner Yusuf TORAMAN Orkun ERSOY Şennur Neşe SEVMEZ	*Niğde Ömer Halisdemir University- Hacettepe University*	DISPERSION AND MECHANICALPROPERTIES IN PLASTIC COMPOUND BY SURFACE MODIFICATION OF CALCITE
Öner Yusuf TORAMAN Neslihan Tuğçe TURGUT	*Niğde Ömer Halisdemir University* *Orta Anadolu Mining Co.,*	DETERMINATION OF SOME PHYSICO-MECHANICAL PROPERTIES OF CALCIUM CARBONATE ROCKS IN NIGDE REGION
Hakan ÇELEBİ Osman Mustafa TUĞ	*Aksaray University*	THE EFFECTS OF HIGH POLLUTION LOADS OF OLIVE OIL AND DAIRY INDUSTRY WASTEWATER ON DOMESTIC WASTEWATER TREATMENT PLANTS
Adife Şeyda YARGIÇ	*Bilecik Seyh Edebali University*	INVESTIGATION OF THE PHENOL PROPORTION EFFECT USED IN THE SOLVOLYTIC LIQUEFACTION REACTION ON THE PROPERTIES OF CARBON FOAMS DERIVED FROM PISTACHIO SHELLS

SESSION (2) – HALL (1)

Meeting ID: 443 584 0491
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09.01.2021	Time: 13^{00}-14^{30} (Turkey Local time)	MODERATOR: *Dr. Bahar YILMAZ*
Authors	**Affiliation**	**Topic title**
Seda ALTUNTAS	*Bursa Technical University*	BACTERIAL ADHESION, AGGREGATION AND BIOFILM MECHANISMS
Seda ALTUNTAS	*Bursa Technical University*	PRODUCTION OF MICROBIAL AND ENZYMATIC FLAVOR COMPOUNDS
Kaan YEŞİLOVA	*Gebze Technical University*	THE USING OF AL(H2PO4)3 IN SUPERHYDROPHOBIC COATINGS AS A NEW GENERATION ADHESIVE
Kaan YEŞİLOVA Serkan EMİK	*Gebze Technical University*	INVESTIGATION THE EFFECT OF INORGANIC ADDITIVES ON THERMAL CONDUCTIVITY OF ACRYLIC EMULSION SYSTEMS
Bahar YILMAZ	*Karamanoglu Mehmetbey University*	DEATH EFFECTS OF SULFONATED CALIXARENE MOLECULES AND DOXORUBICIN CHEMOTHERAPEUTIC AGENTS ON 3-D CANCER AND HEALTHY CELL LINES
Hasan Hüseyin DEMİR Metin UZUN Çağrı YILDIRIM	*Atlasjet Airline* *Iskenderun Technıcal University* *Erciyes University*	NUMERICAL ANALYSIS OF AERODYNAMIC PERFORMANCE OF BIRD WING SHAPES INSPIRED BY NATURE FOR UNMANNED AERIAL VEHICLES
Sündüz GÖKÇEN Necati KAYA	*Çanakkale 18 Mart University*	COMPARISON OF EFFECT OF MONOCRYSTALLINE AND POLYCRYSTALLINE SOLAR PANELS ON ENERGY OUTPUTS USING LINEAR REGRESSION ANALYSIS

SESSION (2) – HALL (2)

Meeting ID: 443 584 0491
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09.01.2021	Time: 13^{00}-14^{30} (Turkey Local time)	MODERATOR: *Emine Nur NACAR*
Authors	**Affiliation**	**Topic title**
Emine Nur NACAR Sanaz NOROUZIYAN Babek ERDEBILLI	*Ankara Yıldırım Beyazıt University*	APPLICATION OF LINEAR PROGRAMMING MODEL IN MULTIPLE-CRITERIA DECISION MAKING UNDER THE FRAMEWORK OF DATA ENVELOPMENT ANALYSIS (DEA)
Emine Nur NACAR Babek ERDEBILLI	*Ankara Yıldırım Beyazıt University*	SALES PREDICTION VIA MACHINE LEARNING ALGORITHMS
Rabia Nur CAN Salih TEKİN Babak ERDEBİLLİ	*TOBB University of Economics and Technology* *Ankara Yıldırım Beyazıt University*	INVESTIGATION OF SITE SELECTION IN NUCLEAR POWER PLANT PROJECTS WITH PYTHAGOREAN FUZZY METHOD
Seher SEYLAN	*Işık University*	THE COUNTER HEGEMONY AREA OF PAST EXTENDED TO PRESENT ON THE AXIS OF THE MEMORY: DOCUMENTARY FILM
Tuvana Başak GÜNEY Vergün Babek ERDEBILLI	*TOBB University of Economics and Technology* *Ankara Yıldırım Beyazıt University*	EXAMINATION OF SOME ARTICLES PUBLISHED USING DATA ENVELOPMENT ANALYSIS IN THE HEALTH FIELD IN THE WORLD
Büşra ATEŞ Alper AVCI	*Özkoç Hydraulic Machinery Industry*	DESING OF FIVE STAGED MOLDS FOR PRODUCING ENCAPSULATED PANELS USED IN RAISED ACCESS FLOORING SYSTEMS TO PRODUCE IN TURKEY
Timuçin Emre TABARU Şekip Esat HAYBER	*Erciyes University* *Kırşehir Ahi Evran University*	ANALYSIS OF DIAMOND SOCKETS WITH ULTRASONIC METHOD
Timuçin Emre TABARU	*Erciyes University*	ULTRA WIDEBAND SMALL SIZE Y-SHAPED MICRO STRIP PATCH ANTENNA DESIGN

SESSION (2) – HALL (3)

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09.01.2021	Time: 13^{00}-14^{30} (Turkey Local time)	MODERATOR: *Assist. Prof. Dr. Hilal ÇELİK*
Authors	**Affiliation**	**Topic title**
Hilal ÇELİK	*Beykent University*	HUMAN RESOURCES PLANNING AND MANAGEMENT ORGANIZATION
Büşra ÖÇAL	*Recep Tayyip Erdogan University*	SANCTION OF FOREIGN WORKER EMPLOYMENT WITHOUT WORK PERMIT
Ulkar IMAMALIYEVA Vaskhanim ORUJOVA	*Baku State University*	ROLE OF E-GOVERNMENT IN MANAGEMENT IMPROVEMENT
Göksel YIKMIŞ	*Bingöl University*	ANALYSIS OF TACTICS AND SYSTEMS USED BY HEAD COACHES IN FOOTBALL IN TERMS OF PHILOSOPHY AND SCIENCE
Faik TAŞÇI Yusuf BİLGE	*Sebahattin Zaim University*	THE INVESTIGATION OF PERSONALITY DISORDERS IN DSM-5 IN TERMS OF PSYCHOSOCIAL DEVELOPMENT STAGES AND EXISTENTIAL AUTHENTICITY
Zarina MAMMADOVA	*Kırıkkale University*	THE CULTURAL ELEMENTS OF THE AHISKA TURKS (REGARDING THE AHISKA TURKS LIVING IN UZUMLU DISTRICT ERZINCAN)

SESSION (3) – HALL (1)

Meeting ID: 443 584 0491
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09.01.2021	Time: 15^{30}-17^{00} (Turkey Local time)	MODERATOR: *Assoc. Prof. Dr. Gülgün ÇİĞDEM*
Authors	**Affiliation**	**Topic title**
Murat Anıl MERCAN Zeynep AKTAŞ KORAL	*Gebze Technical University*	AN ASSESSMENT ON THE GENDER WAGE GAP IN TURKEY FROM 2002 TO 2017
Gülgün ÇİĞDEM	*İstanbul Gelişim University*	A LOOK AT FEMICIDE FROM ECONOMIC PERSPECTIVE: AN EMPIRICAL TEST OF THE RELATIONSHIP BETWEEN INFLATION & CURRENCY AND FEMICIDE: THE CASE OF TURKEY
Sadettin Haluk ÇİTÇİ Yunis DEDE İsmail Yetkin ÖZDEN	*Gebze Technical University,*	TESTING BETA ANOMALY IN BORSA ISTANBUL
Melahat ÖNEREN Kübra SAĞLAM	*Kırıkkale University* *Yozgat Bozok University*	A CASE STUDY ON THE PLACE AND IMPORTANCE OF FAMILY VALUES AND FAMILY CONSTITUTION IN THE PROVISION OF FAMILY BUSİNESS SUSTAINABILITY
Onur Kemal YILMAZ	*Bandırma OnYedi Eylül University*	THE IMPORTANCE OF SMART PEOPLE FOR SMART CITY
Abdulgaffar MUHAMMAD Umar Ahmed IBRAHIM Muhammad T.M. ZANGO Muhammed EL-HAMEES	*National Open University of Nigeria* *Nigerian Institute of Transport Technology*	THE IMPACT OF TREASURY SINGLE ACCOUNT ON FINANCIAL PERFORMANCE OF DEPOSIT MONEY BANKS IN NIGERIA: A PRE AND POST OBSERVATION
Abdulgaffar MUHAMMAD Umar Ahmed IBRAHIM Muhammad T.M. ZANGO Muhammed EL-HAMEES	*National Open University of Nigeria* *Nigerian Institute of Transport Technology*	EVALUATION OF EMPLOYEES' PARTICIPATION IN MANAGERIAL DECISION MAKING FOR ORGANIZATIONAL PERFORMANCE
Mustafa ÖZYEŞİL	*İstanbul Aydın University*	MARKOWITZ PORTFOLIO OPTIMIZATION MODEL: AN APPLICATION ON LISTED FIRM ON BORSA ISTANBUL-30 NATIONAL STOCK INDEX (BIST-30)

SESSION (3) – HALL (2)

Meeting ID: 443 584 0491
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09.01.2021	Time: 15^{30}-17^{00} (Turkey Local time)	MODERATOR: *Assoc. Prof. Dr. Nesrişah SAYLAN*
Authors	**Affiliation**	**Topic title**
Fatma KARACA TURHAN Osman TURHAN	Yıldız Technical University	FOSTERING A CLASSROOM COMMUNITY IN ONLINE LANGUAGE TEACHING
Fatma KARACA TURHAN Osman TURHAN	*Yıldız Technical University*	SNAPSHOT OF ONLINE FOREIGN LANGUAGE TEACHING DURING THE COVID-19 OUTBREAK
Gamze ERYILMAZ Dilara DİBOOĞLU	İskenderun Technical University	A QUALITATIVE RESEARCH METHOD: CASE STUDY (CASE STUDY) WITH EXAMPLES IN TOURISM FIELD LITERATURE
Весила ШЕМШЕК Vesile ŞEMŞEK	*Kastamonu University*	ОТЗЫВЫ О ПЕРВОМ УЧЕБНОМ ЗАВЕДЕНИИ В ИСТОРИИ ИСЛАМА
Nesrişah SAYLAN	*Fırat University*	THE LIFE OF IBN JINNÎ AND HIS WORKS
Akbar VALADBIGI	Elmi-Karbordi University	STRENGTHENING SOCIAL CAPITAL, THE CRUCIAL NEED FOR EFFECTIVE AND CREATIVE SCHOOLS

SESSION (3) – HALL (3)

Meeting ID: 443 584 0491
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09.01.2021	Time: 15^{30}-17^{00} (Turkey Local time)	MODERATOR: *Dr. Elena BOTTS*
Authors	**Affiliation**	**Topic title**
Yassine ENNACIRI Mohammed BETTACH	*Chouaib Doukkali University*	STUDY OF THE CONVERSION OF PHOSPHOGYPSUM BY SODOUM COMPOUNDS
Tin-Yam CHAN Muchlisin Zainal ABİDİN Amirah HURZAİD	*National Taiwan Ocean University- Syiah Kuala University- School of Distance Education*	VERIFICATION OF A PSEUDO CRYPTIC SPECIES IN THE COMMERCIALLY IMPORTANT TIGER PRAWN PENAEUS MONODON FABRICIUS, 1798 (CRUSTACEA: DECAPODA: PENAEIDAE) FROM ACEH PROVINCE IN INDONESIA
Elena BOTTS	*Johns Hopkins University*	CAN WE USEFULLY TALK ABOUT A FAILURE OF INTELLIGENCE? A THEORY OF MIND PERSPECTIVE
Teona KVANTCHIANI	*Tbilisi State University*	MIGRATION AND SACRAL SPACE CONSTRUING ASPECTS AMONG GEORGIAN ECO-MIGRANTS
Enis Nadia Md YUSOF	*University Sains Malaysia*	SYNTHESIS, CHARACTERIES AND CYTOTOXICITY OF THOSEMICARBAZONE SCHIFF BASES AND THEIR ORGANATIN(IV) COMPOUNDS
Nik Norliati Fitri Md NOR	*University Sains Malaysia*	LIVING ARRANGEMENT PATTERNS OF THE MALAY ELDERLY IN CITIES OF PENANG, MALAYSIA

SESSION (1)- HALL (1)

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10.01.2021	Time: 12^{00}-14^{00} (Turkey Local time)	MODERATOR: *Prof. Dr. Ali BİLGİLİ*
Authors	**Affiliation**	**Topic title**
Alex Clarkson	*University of Mpumalanga*	AN EXAMPLE OF CIVIL DISOBEDIENCE: MARTIN LUTHER KING
Jayne Hall	*Brown University*	THEORY IN US FOREIGN POLICY
Kelwyn Shaw Luke Millard	*University of Zululand*	THE APARTHEID REGIME AND THE BEGINNING OF THE END: SHARPEVILLE MASSACRE
Carolyn Kapp	*University of Education*	BRITAIN AND FRANCE FROM FASHODA CRISIS TO FRIENDSHIP AGREEMENT
Paula Busuku	*Ashesi University*	AN AFRICAN-CENTERED ECONOMIC MODEL: AFRICAN SOCIALISM
Jeanne Hoadley	*Ibn Tofail University*	ECONOMIC DEVELOPMENT POLICIES: INDUSTRY, TRADE AND TECHNOLOGY POLICIES FROM HISTORICAL PERSPECTIVE
Barbara Mackay Brian Belle	*University of Nigeria*	CRISIS MANAGEMENT IN INTERNATIONAL RELATIONS
Rebecca Hare Emma Gustafsson	*Witwatersrand Üniversitesi*	THE CONCEPT OF THE PEACEKEEPING, PEACEBUILDING AND PEACE ENFORCEMENT: TODAY'S PEACE BUILDIING OPERATIONS POSITIONS

SESSION (1) – HALL (2)

Meeting ID: 443 584 0491
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10.01.2021	Time: 12^{00}-14^{00} (Turkey Local time)	MODERATOR: *Dr. Dilek ÖZDEMİR GÜNGÖR*
Authors	**Affiliation**	**Topic title**
Rodney Sealy	*Webster University*	NUCLEAR STRATEGY IS NOT REALLY A STRATEGY: NUCLEAR WAR IS UNTHINKABLE
Shihaam Giba Kamila Yoshida	*Kookmin University*	FROM THE INDUSTRIAL REVOLUTION TO THE COLD WAR ERA THE EVOLUTION OF WAR: FROM INDUSTRIAL WARS TO MANEUVERING WARS
Məhəmməd Hacıye	*Azerbaijan International University*	THE RELATIONSHIP BETWEEN DEMOCRACY AND NON-GOVERNMENTAL ORGANIZATIONS IN AMERICA
Zahidə İsmayılzadə	*Azerbaijan International University*	NEWCASTLE XƏSTƏLİYİ VİRUSU
Arif Məmmədov	*Lankaran State University*	YERLİ TOYUQ XƏSTƏLİYİ
Rəşad Süleymanov	*Gence Devlet Aqrar Üniversitesi*	COMMON ANTIBIOTICS' EFFECTS

SESSION (1) – HALL (3)

Meeting ID: 443 584 0491
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10.01.2021	Time: 12^{00}-14^{00} (Turkey Local time)	MODERATOR: *Prof. Dr. Öner Yusuf TORAMAN*
Authors	**Affiliation**	**Topic title**
Turan Zeynallı	*Independent Researcher*	THE BASIS OF SPATINAL PLANNING
Seymur Aslanlı	*Azerbaijan University of Architecture and Construction*	NEGATIVE EFFECT OF FROST ON AGRICULTURE
Anar Paşayev Odil Kagawa	*Azerbaijan International University*	ОЦЕНКА ПЛАНА РАЗВИТИЯ СИСТЕМЫ ЗДРАВООХРАНЕНИЯ И БАЗОВОГО ОБРАЗОВАНИЯ ПЛАН ТРАНСФОРМАЦИИ НА ОСНОВЕ ПРЕДПОЛОЖЕНИЙ СИСТЕМЫ ЗДРАВООХРАНЕНИЯ С АКЦЕНТ НА ОБРАЗОВАНИЕ
Aytən Şərifzadə	*Azerbaijan International University*	STALIN POLICIES IN THE CENTRAL ASIA (1928-1952)
Günel Məmmədova	*Khazar University*	BORDER PROBLEMS IN THE CONTEXT OF RUSSIA AND THE OTTOMAN EMPIRE
Vüqar Həsənov	*Khazar University*	THE ROLE OF BOLSHEVIK REVOLUTIONS IN THE WORLD REVOLUTIONS
Tural Həmidli	*Azerbaijan University of Architecture and Construction*	ART-POLITICS RELATIONS
Nurlan Nəbiyev	*Kyrgyz Russian Slavic University*	NATION-BUILDING PROCESS IN KYRGYZTAN AFTER INDEPENDENCE

SESSION (2) – HALL (1)

Meeting ID: 443 584 0491
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10.01.2021	Time: 15^{00}-17^{00} (Turkey Local time)	MODERATOR: *Dr. Bahar YILMAZ*
Authors	**Affiliation**	**Topic title**
Achraf Benatia	***International University of Rabat***	**SEXUAL VIOLENCE AGAINST WOMEN: BOSNIA GENOCIDE, RWANDAN GENOCIDE AND COLOMBIAN CIVIL WAR**
Şahin Rəcəbov	***Independent Researcher***	**SOCIAL MEDIA EFFECTS ON TERRORISM**
Rəşad Qarayev	***Baku Slavic University***	**THE IMPORTANCE OF TRANSBOUNDARY WATER IN TERMS OF INTERNATIONAL RELATIONS IN CENTRAL ASIA**
Sevinc Məmmədova	***Tajik National University***	**NATION-BUILDING PROCESS IN TAJIKISTAN AFTER INDEPENDENCE**
Cavid Süleymanlı	***Azerbaijan State University of Culture and Arts***	**PUTIN'S ERA AND THE ANNEXATION OF CRIMEA: SANCTIONS AND REACTIONS**
Sevil Həsənova	***Turkmen Institute of Finance***	**DIMENSIONS OF GLOBALIZATION AROUND DISCUSSIONS**
Aydan Orucova	***International University of Humanities and Development***	**POST SOVIET RELATIONS BETWEEN RUSSIA AND UKRAINE**

SESSION (2) – HALL (2)

Meeting ID: 443 584 0491
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10.01.2021	Time: 15^{00}-17^{00} (Turkey Local time)	MODERATOR: *Emine Nur NACAR*
Authors	**Affiliation**	**Topic title**
Elena Gholam	*International University of Rabat*	EUROSCEPTICISM: EFFECTS OF EUROSCEPTICISM TO 2017 FRENCH PRESIDENTIAL ELECTIONS
Huang Zhao	*Antalya Bilim University*	BUSINESS-NATION BRANDING IN TURKEY
Ching Yanx Muang Liu Wang Chaby Wang	*Xiamen University*	ENVIRONMENTALISM IN BUSINESS: ENVIRONMENTAL ETHICS, SUSTAINABILITY, SOCIAL RESPONSIBILITY AND COMPANIES' REPUTATION
Bryan Roberts Casey Londo	*Independent Researchers*	TURKEY-EU COOPERATION: TURKEY'S SOLITUDE WITHOUT EUROPEAN UNION
Anastasia Papas	*University of Patras*	TURKISH-GREEK RELATIONS AFTER WORLD WAR I: SIXTY YEARS OF VICIOUS CIRCLE

SESSION (2) – HALL (3)

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10.01.2021	Time: 15^{00}-17^{00} (Turkey Local time)	MODERATOR: *Assist. Prof. Dr. Hilal ÇELİK*
Authors	**Affiliation**	**Topic title**
Peter Mill Robert Smith	*University of Tulsa*	EUROPEAN UNION COMMON FOREIGN AND SECURITY POLICY (CFSP) AND ITS STRUCTURAL WEAKNESSES
Nigar İsmayılzadə	*Istanbul Istinye University*	TURKEY IN THE STRUCTURE OF EUROPEAN SECURITY AND DEFENSE POLICY (EDSP)
Simon Muller	*Independent Researcher*	ROLE OF GERMANY BETWEEN TURKEY AND EUROPEAN UNION
Leyla Xəlilova	*Eskisehir Osmangazi University*	SECURITY DIMENSION OF TURKEY-EU RELATIONS AND THE IMPORTANCE OF TURKEY'S PARTNERSHIP
Yonatan Orton	*Independent Researcher*	ZIONISM: NATIONALISM ISSUES OF JEWS

Scientific Committee

Prof. Dr. ALİ BİLGİLİ – Ankara University, Turkey

Prof. Dr. Hasan KÖNİ - Istanbul Kültür University, Turkey

Prof. Dr. Eul-Teo LEE - Kunsan National University, South Korea

Prof. Dr. Kenan DAĞCI - Regional Development Studies Institute / Cornel University (FMR), United States

Assoc. Prof. Çiğdem NAS - Yıldız Technical University, Turkey

Assoc. Prof. Gül Tuba DAĞCI - ICONSOS / Tompkins Cortland Community Callage, (FMR), United States

Assoc. Prof. Fahri ÖZSUNGUR - Adana Chamber of Commerce /Trade Registry Deputy Manager, Turkey

Assoc. Prof. Başak Hanedan - Atatürk University, Turkey

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INVESTIGATION OF THE PROTECTIVE EFFECTS OF Petroselinum crispum ON SCOPOLAMINE-INDUCED MEMORY DYSFUNCTION

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ABSTRACT

Background: Alzheimer's disease, is the most common type of dementia, characterized by learning and memory impairments is a neurodegeneretive disease[1]. Oxidative stress[2], cholinergic neuronal loss[3] and neuroinflammation[4] processes play a crucial role pathogenesis of Alzheimer's disease. Scopolamine blocks the muscarinic receptors of acetylcholine causes learning and memory impairments[5]. *Petroselinum crispum* is a green plant which contains many antioxidant substance such as flavonoids, carotenoids and ascorbic acid[6].
Purpose: In this study, the aim to investigate that known high antioxidant activity of *Petroselinum crispum* extract has protective effects on scopolamine-induced memory impairment by using biochemical methods.
Methodology: In this study, 32 Wistar albino male and female rats were used. Rats were randomly assigned to 4 group as following: control (C), scopolamine (SCOP; 1mg/kg, i.p.), scopolamine + Galantamine (GAL; 1.5 mg/kg, oral) and scopolamine + *Petroselinum crispum* (PC; 2 g/kg, oral). To evaluate the cognitive performance of the rats, new object recognition test and Morris water maze test were performed at the end of 14 days. Immediately after cognition tests, the rats were decapitated and hippocampus and prefrontal cortex tissues were collected. Acetylcholinesterase (AChE) activity, malondialdehyde (MDA) and glutathione (GSH) levels were studied on the tissue samples. Additionally, M_1 receptor expression, bcl-2/bax ratio, casp-9 and casp-3 expressions were measured by Western blot method.
Results: The results of the cognitive assessment showed that cognitive ability of scopolamine group was decreased and administration of PC extract was increased. Scopolamine induced AChE activity, casp-3 and casp-9 expressions and MDA levels while M_1 receptor expression, bcl-2/bax ratio and GSH levels reduced. All treatment with PC extract reversed the effects of scopolamine treated group.
Conclusion: The results propose that PC extract has protective effects against scopolamine induced oxidative stress and memory dysfunctions.

Keywords: *Petroselinum Crispum; Scopolamine; Acetylcholinesterase; Oxidative stress*

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