

# 15<sup>TH</sup> Al Farabi

INTERNATIONAL SCIENTIFIC RESEARCH  
AND INNOVATION CONGRESS

IN-PERSON  
CONGRESS  
PROGRAM

MAY 15-17, 2026

TOKAT, TÜRKİYE

TOKAT GAZİOSMANPAŞA UNIVERSITY



ECONOMIC  
SCIENTIFIC  
RESEARCH  
INSTITUTE



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# -Opening Ceremony-

Date: 16.05.2026 / Time: 10:00-11:00

Tokat Gaziosmanpaşa Üniversitesi 15 Temmuz Kongre ve Kültür Merkezi

**Prof. Dr. Durmuş Çağrı YILDIRIM**

Tekirdağ Namık Kemal University

ORGANIZING COMMITTEE CO-HEAD (RECYCLING ECONOMY CONGRESS)

**Prof. Dr. Yusuf TEMÜR**

Vice Rector of the Tokat Gaziosmanpaşa University

ORGANIZING COMMITTEE HEAD (AL-FARABI CONGRESS)

**Assoc. Prof. Dr. Elman IBISHOV**

UNEC Economic Research Scientific Research Institute

**Assoc. Prof. Dr. Zhyrgal SYDYKOV**

Director of the Tokmok Branch of the Razzakov Kyrgyz State Technical University

**Prof. Dr. Arzu HÜSEYNOVA**

First Deputy Chairman of the Board of Directors ESRI

**Prof. Dr. Batyrkul BAETOV**

Director of the Research Institute of Economics of the Kyrgyz Republic

**Dr. Mustafa Latif EMEK**

President of the IKSAD INSTITUTE

**Prof. Dr. Fatih YILMAZ**

Rector of the Tokat Gaziosmanpaşa University

**Nilufar ALIMZHANOVA**

Member of Parliament of the Jogorku Kenesh of the Kyrgyz Republic

**Aida ISATBEK KYZY**

Deputy Minister of Labour, Social Security and Migration of the Kyrgyz Republic

**Yusuf BEYAZIT**

Member of the Grand National Assembly of Türkiye

**Abdullah KÖKLÜ**

Governor of Tokat

# -Recycling Exhibition & Workshop-

Date: 16.05.2026 / Time: 11:00-11:30

Tokat Gaziosmanpaşa Üniversitesi 15 Temmuz Kongre ve Kültür Merkezi

Participants Countries: Albania, Algeria, Azerbaijan, Bangladesh, Belarus, Benin, Brazil, Bulgaria, Cambodia, China, Ethiopia, Finland, Georgia, Hungary, India, Indonesia, Kazakhstan, Kyrgyzstan, Malaysia, Mexico, Moldova, Morocco, Nigeria, Northern Cyprus (TRNC), Pakistan, Philippines, Poland, Portugal, Romania, Serbia, Türkiye, Ukraine, United States

# 16.05.2026 / IN-PERSON SESSION-1 / HALL-1



Ankara Local Time

13<sup>30</sup> : 15<sup>30</sup>



Tokat Gaziosmanpaşa Üniversitesi 15  
Temmuz Kongre ve Kültür Merkezi

**HEAD OF SESSION: Assoc. Prof. Dr. Kenan ALTUN**

TOPIC TITLE	AUTHORS	AFFILIATION
INVESTIGATION OF CHAOS-BASED GATE TRIGGER SIGNALS IN INDUCTION HEATING SYSTEMS	Assoc. Prof. Dr. Kenan ALTUN Assoc. Prof. Dr. Didem ALTUN	Sivas Cumhuriyet University, Türkiye
DESULFATOR DEVICE DESIGN AND SIMULATION FOR DEAD BATTERIES	Assoc. Prof. Dr. Mustafa Ergin ŞAHİN Aslan CHAKALOV Theodore Azemtsop MANFO	Recep Tayyip Erdoğan University, Türkiye University of Vaasa, Finland
DESIGN AND CONTROL OF A VERTICAL AXIS WIND TURBINE BASED ENERGY SYSTEM USING A BOOST CONVERTER	Elif Gülşah SEÇKİN Assoc. Prof. Dr. Mustafa Ergin ŞAHİN	Recep Tayyip Erdoğan University, Türkiye
EILIMINATING HYSTERESIS EFFECT in DOMESTIC OVENS: DATA DRIVEN SYSTEM ESTIMATION and OVERSHOOT CONSTRAINED ABC-PID CONTROLLER DESIGN	Hakkı YELER Mehmet EKİCİ	Amasya University, Türkiye
ROBUST TEMPERATURE CONTROL OF A DOMESTIC TURKISH COFFEE MACHINE UNDER VARYING THERMAL LOADS USING A PSO-TUNED PI CONTROLLER	Recep ÇAKMAK Mehmet EKİCİ	Amasya University, Türkiye
EVALUATION OF THE MECHANICAL PERFORMANCE OF POLYPROPYLENE AND POLYETHYLENE MATERIALS USED IN ORTHOSIS AND PROSTHETIC PRODUCTION	Lect. Dr. Erhan BAYSAL Assoc. Prof. Dr. Nergizhan ANAÇ Assoc. Prof. Dr. Oğuz KOÇAR	Zonguldak Bülent Ecevit University, Türkiye

# 16.05.2026 / IN-PERSON SESSION-1 / HALL-2



Ankara Local Time

13 30 : 15 30



Tokat Gaziosmanpaşa Üniversitesi 15  
Temmuz Kongre ve Kültür Merkezi

**HEAD OF SESSION: Assoc. Prof. Dr. Oktay ÖZKAN**

TOPIC TITLE	AUTHORS	AFFILIATION
SUSTAINABILITY OF SOCIAL SECURITY SYSTEMS IN THE FACE OF ARTIFICIAL INTELLIGENCE-INDUCED UNEMPLOYMENT RISK: ROBOT TAX AND ALTERNATIVE MODEL PROPOSALS	Dr. Şeyda AKKUŞ	Independent Researcher, Türkiye
THE LIMITS OF THE TAXATION POWER OF THE ADMINISTRATION: AN EVALUATION WITHIN THE FRAMEWORK OF THE PRINCIPLE OF PREDICTABILITY	Assoc. Prof. Dr. Doğan BOZDOĞAN Amine Berra IRK Gülizar Defne DOĞAN	Tokat Gaziosmanpaşa University, Türkiye
TESTING THE FRACTAL MARKET HYPOTHESIS ON THE BIST SUSTAINABILITY INDEX	İsmail TUYGUN Assoc. Prof. Dr. Oktay ÖZKAN	Tokat Gaziosmanpaşa University, Türkiye
THE ROLE OF BLUE FINANCE IN SUSTAINABLE DEVELOPMENT: A CONCEPTUAL ANALYSIS	Tuğba KAVAKLI Assoc.Prof.Dr. Oktay ÖZKAN	Tokat Gaziosmanpaşa University, Türkiye
EVALUATION OF THE POSITIVE AND NEGATIVE EFFECTS OF THE PRE-ASSESSMENT SETTLEMENT INSTITUTION ON THE TAX SYSTEM	Lect. Dr. Serhat KURT	Selçuk University, Türkiye
AN EVALUATION OF THE REGULATIONS ON TAXATION UNDER THE SIMPLIFIED PROCEDURE SET FORTH IN PRESIDENTIAL DECREE NO. 10380 WITHIN THE FRAMEWORK OF CONSTITUTIONAL PRINCIPLES	Lect. Dr. Serhat KURT	Selçuk University, Türkiye
GLOBAL AVIATION ECONOMICS AND FINANCE LITERATURE: A BIBLIOMETRIC ANALYSIS OF THE 1928-2026 PERIOD	Lect. Mutlu Can SOYDAN Assoc. Prof. Dr. Yusuf Bahadır Kavas Lect. Burak Can Kara	Amasya University, Türkiye
IG ECONOMY AND THE TRANSFORMATION OF LABOR RELATIONS: ANALYSIS IN THE CONTEXT OF AZERBAIJAN	Assoc. Prof. Dr. Farhad G. Mikayilov Dr. Narmin R. Babayeva Emin Mustafayev Nigar M. Alasgarova Nicat F. Mikayilov	Economic Research Institute under the Ministry of Economy of the Republic of Azerbaijan Azerbaijan Technical University, Azerbaijan
MAINSTREAMING OF POPULISM IN EUROPEAN POLITICS	Alp ARSLAN Assoc. Prof. Dr. Mustafa Ozan ŞAHİN	Tokat Gaziosmanpaşa University, Türkiye

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Tokat Gaziosmanpaşa Üniversitesi 15  
Temmuz Kongre ve Kültür Merkezi

**HEAD OF SESSION: Assoc. Prof. Dr. Ediz GÜRİPEK**

TOPIC TITLE	AUTHORS	AFFILIATION
ON AUGMENTED SOMBOR INDEX OF DENDRIMER AND THORN GRAPHS	Assoc. Prof. Dr. Gül ÖZKAN KIZILIRMAK	Gazi University, Türkiye
AN AI-POWERED MOBILE PLATFORM FOR SCHOLARSHIP MANAGEMENT AND APPLICATION	Asst. Prof. Dr. Atilla SUNCAK Kemal BAYIR Handan ACAR	Kastamonu University, Türkiye
PERCEIVED VALUE OF GASTRONOMY TOURISM AMONG LOCAL RESIDENTS: THE CASE OF TOKAT	Lect. Elif DEMİRÇAL Assist. Prof. Dr. Cansu UZUN GÜRİPEK	Tokat Gaziosmanpaşa University, Türkiye
RECONCEPTUALIZING TOURISM IN THE VINEYARD CULTURE OF TOKAT: AN AUTHENTICITY-BASED CONCEPTUAL APPROACH	Feyza ÜÇGÜL Assoc. Prof. Dr. Ediz GÜRİPEK Assist. Prof. Dr. Cansu UZUN GÜRİPEK	Tokat Gaziosmanpaşa University, Türkiye
TOURIST ENGAGEMENT IN MUSEUM: THE CASE IN SARAJEVO	Prof. Voon Chin Phua	Gettysburg College, USA

# 16.05.2026 / IN-PERSON SESSION-1 / HALL-4



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Tokat Gaziosmanpaşa Üniversitesi 15  
Temmuz Kongre ve Kültür Merkezi

**HEAD OF SESSION: Prof. Dr. Ahmet GÜVEN**

TOPIC TITLE	AUTHORS	AFFILIATION
ANALYSIS OF THE WORKLOAD OF AMBULANCE AND EMERGENCY CARE TECHNICIANS	Sadık KARABAĞ	Sivas Cumhuriyet University, Türkiye
DIGITAL TRANSFORMATION IN HEALTHCARE: AN EXAMINATION OF THE CONCEPT OF DIGITAL EMPATHY	Gökçe KOÇYİĞİT	Sivas Cumhuriyet University, Türkiye
THE EFFECT OF 'PATIENT-HEALTHCARE WORKER' COMMUNICATION ON PATIENT SATISFACTION IN HEALTHCARE SERVICES	Gökçe KOÇYİĞİT Nuriye SARIAKÇALI	Sivas Cumhuriyet University, Türkiye
EXAMINATION OF PROFESSIONAL EXPECTATIONS OF NURSES WORKING IN SIVAS NUMUNE HOSPITAL PEDIATRIC EMERGENCY SERVICE	Şahika KOÇAK	Sivas Cumhuriyet University, Türkiye
INVESTIGATION OF RESOURCE UTILIZATION AND EMPLOYEE SATISFACTION IN HEALTHCARE INSTITUTIONS	Gülhan FIRAT AKBULUT	Sivas Cumhuriyet University, Türkiye
COMMUNICATION DIFFICULTIES AND CRISIS MANAGEMENT AMONG HEALTH COMMAND AND CONTROL CENTER EMPLOYEES	Gülşah EKEN	Sivas Cumhuriyet University, Türkiye
A STUDY ON THE SCALE AND EXAMINATION OF GASLIGHTING IN THE WORKPLACE FOR NURSES	Cansu ATAYETER	Sivas Cumhuriyet University, Türkiye

# 16.05.2026 / IN-PERSON SESSION-2 / HALL-1



Ankara Local Time

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Tokat Gaziosmanpaşa Üniversitesi 15  
Temmuz Kongre ve Kültür Merkezi

**HEAD OF SESSION: Assoc. Prof. Dr. Günay KAYA KANTAR**

TOPIC TITLE	AUTHORS	AFFILIATION
PRODUCTION OF SOAP CONTAINING TEA TAR AND INVESTIGATION OF ANTIMICROBIAL PROPERTIES	Assoc. Prof. Dr. Günay KAYA KANTAR	Recep Tayyip Erdoğan University, Türkiye
ZnO-NP GREEN SYNTHESIS FROM SAGE ( <i>Sideritis montana</i> ) EXTRACT	Farooq Ali OBAİD Fatma GEDİKLİ Ayşegül ŞENOCAK	Tokat Gaziosmanpaşa University, Türkiye
IMPACT OF DIGITAL-BASED SEXUAL HEALTH INTERVENTIONS ON KNOWLEDGE AND BEHAVIOR CHANGE: A SYSTEMATIC REVIEW OF GLOBAL EVIDENCE AND A TURKEY SUBGROUP ANALYSIS	Derya BOLAT	Istanbul Şişli Vocational School, Türkiye
EFFECTIVENESS OF TACTICAL TOURNIQUET USE IN PREHOSPITAL TRAUMA MANAGEMENT: A SYSTEMATIC REVIEW	Derya BOLAT	Istanbul Şişli Vocational School, Türkiye

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Tokat Gaziosmanpaşa Üniversitesi 15  
Temmuz Kongre ve Kültür Merkezi

HEAD OF SESSION: Assoc. Prof. Dr. Serkan KEKEVİ

TOPIC TITLE	AUTHORS	AFFILIATION
FROM LEGISLATION TO PRATICA: AN ASSESSMENT OF SUSTAINABLE SMART CITIES	Lect. Dr. Betül DİLFİRUZ	Tokat Gaziosmanpaşa University, Türkiye
THE THEORETICAL ROLE OF OFFICE MANAGEMENT AND EXECUTIVE ASSISTANCE IN THE CONTEXT OF SUSTAINABLE PUBLIC ADMINISTRATION	Lect. Dr. Betül DİLFİRUZ	Tokat Gaziosmanpaşa University, Türkiye
SMART CITY PHENOMENON FROM CONCEPTUAL DIMENSION TO PRACTICE: GLOBAL TRENDS AND THE CASE OF TÜRKİYE	Nuriye AYGİN Sefa SAĞDIÇ Prof. Dr. Ahmet GÜVEN	Tokat Gaziosmanpaşa University, Türkiye
CITTASLOW AS A LOCAL MODEL OF RESISTANCE AGAINST GLOBALIZATION: A REVIEW OF THEORETICAL FOUNDATIONS AND APPLICATIONS IN TURKEY	Sefa SAĞDIÇ Nuriye AYGİN Prof. Dr. Ahmet GÜVEN	Tokat Gaziosmanpaşa University, Türkiye
FROM HISTORICAL DEPTH TO LOCAL DEVELOPMENT STRATEGIES: A SOCIO-ECONOMIC TRANSFORMATION ANALYSIS OF ZİLE DISTRICT	Sefa SAĞDIÇ Assoc. Prof. Dr. Yavuz ACUNGİL	Tokat Gaziosmanpaşa University, Türkiye
THE PLACE AND IMPORTANCE OF FOUNDATIONS ESTABLISHED BY WOMEN IN SOCIAL LIFE WITHIN OTTOMAN FOUNDATION CULTURE	Assoc. Prof. Dr. M. Nazan ARSLANEL Prof. Dr. Ahmet ÖZKİRAZ	Tokat Gaziosmanpaşa University, Türkiye
VALUATION OF POLITICAL PARTY PROGRAMS, SPECIFICALLY AKP AND CHP, IN THE CONTEXT OF WOMEN'S POLICIES AND THEIR PRACTICAL CONFORMITY	Assoc. Prof. Dr. M. Nazan ARSLANEL	Tokat Gaziosmanpaşa University, Türkiye
TRACING THE TRACES OF NEOREALIST THOUGHT IN THE ORKHON INSCRIPTIONS	Assoc. Prof. Dr. Serkan KEKEVİ Assoc. Prof. Dr. Gökmen KILIÇOĞLU	Duzce University, Türkiye
INSTITUTIONAL DISINTEGRATION IN THE INTERNATIONAL SYSTEM AND THE DYSFUNCTION OF INTERNATIONAL ORGANIZATIONS: THE UNITED NATIONS EXAMPLE	Assoc. Prof. Dr. Gokmen KILIÇOĞLU Assoc. Prof. Dr. Serkan KEKEVİ	Duzce University, Türkiye

# 16.05.2026 / IN-PERSON SESSION-2 / HALL-3



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Tokat Gaziosmanpaşa Üniversitesi 15  
Temmuz Kongre ve Kültür Merkezi

**HEAD OF SESSION: Prof. Dr. Şenol KORKUT**

TOPIC TITLE	AUTHORS	AFFILIATION
MODERNISM, THE DIGITAL AGE, AND THE CHILD'S PERSPECTIVE IN THIS AGE WITHIN THE FRAMEWORK OF CHILDREN'S LITERATURE	Prof. Dr. Murat ÖZBAY Elmas TAŞKIRAN	Gazi University, Türkiye
RECONSTRUCTING İBN SİNÂ'S "FLOATING MAN" THOUGHT EXPERIMENT AS A SOCRATIC INQUIRY-BASED PHILOSOPHICAL STIMULUS	Dr. Feyza YÜKSEL TEMİZ Prof. Dr. Şenol KORKUT	Tokat Gaziosmanpaşa University, Türkiye
AI-SUPPORTED SELF-REGULATION IN YOUTH UNDER STATE PROTECTION INTEGRATED INTO SOCIAL AND WORKING LIFE: AN INVESTIGATION ON ACADEMIC SUCCESS AND LIFE ADJUSTMENT	Burak VANLIOĞLU Asst. Prof. Dr. Tuğba KOCADAĞ ÜNVER	Tokat Gaziosmanpaşa University, Türkiye
EVALUATION OF E-HEALTH LITERACY AMONG UNIVERSITY STUDENTS: THE CASE OF TEACHER CANDIDATES AT SIVAS CUMHURİYET UNIVERSITY FACULTY OF EDUCATION	Muhlis YILDIZ	Sivas Cumhuriyet University, Türkiye
EXAMINING THE CONCEPT OF SENSITIVITY IN SOCIAL SCIENCES RESEARCH	Assist. Prof. Dr. Zafer YILDIZ	Sivas Cumhuriyet University, Türkiye
THE ADAPTATION OF DIGITAL COMMUNICATION EMPATHY SCALE INTO TURKISH: VALIDITY AND RELIABILITY STUDY	Assoc. Prof. Özge MAVİŞ SEVİM Res. Assist. Ece LEVENTOĞLU Gönül ÇELEBİ Assist. Prof. Tuğba KOCADAĞ ÜNVER Assist. Prof. Neslihan CANPOLAT ÇIĞ Hatice DİLER	Tokat Gaziosmanpaşa University, Türkiye 15 Temmuz Şehitler Anadolu Lisesi Tokat- Türkiye

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Tokat Gaziosmanpaşa Üniversitesi 15  
Temmuz Kongre ve Kültür Merkezi

HEAD OF SESSION: Prof. Dr. Türker ŞİMŞEK

TOPIC TITLE	AUTHORS	AFFILIATION
THE INSTITUTION OF WHISTLEBLOWING AND REWARDS IN THE FIGHT AGAINST TAX EVASION AND TAX LOSSES: AN ASSESSMENT FOR TURKEY	Assist. Prof. Dr. Hüseyin AKKAYA	Tokat Gaziosmanpaşa University, Türkiye
TIME SERIES TREND AND SIMPLE LINEAR REGRESSION ANALYSIS OF HEALTHCARE EXPENDITURES IN TÜRKİYE BETWEEN 2010 AND 2023	Dr. Mustafa Burak KARAGÖZ	Sivas Cumhuriyet University, Türkiye
A THEORETICAL EXAMINATION OF SOCIAL CAPITAL IN THE FIELD OF REGIONAL SUSTAINABLE DEVELOPMENT	Salih PELİT Müşfika Nazan ARSLANEL	Tokat Gaziosmanpaşa University, Türkiye
AI-SUPPORTED BUDGETING IN STRATEGIC DECISION-MAKING: CONCEPTUAL FRAMEWORK AND IMPLEMENTATION RECOMMENDATIONS	Senem ŞEN Mustafa GÜL	Tokat Gaziosmanpaşa University, Türkiye
THE INTERACTION BETWEEN OPENNESS, R&D, AND INNOVATION PERFORMANCE: AN APPLICATION ON BALKAN COUNTRIES	Prof. Dr. Türker ŞİMŞEK Asst. Prof. Dr. Emre YİĞİT Res. Asst. Oğuzhan DEMİR	Tokat Gaziosmanpaşa University, Türkiye
A STUDY ON THE IMPACT OF THE REGULATIONS INTRODUCED BY LAW NO. 4749 ON BUDGET DISCIPLINE AND DEBT MANAGEMENT	Assoc. Prof. Dr. Hayrettin TÜLEYKAN	Tokat Gaziosmanpaşa University, Türkiye
APPLICATION OF DYNAMIC PANEL DATA TO CARBON EMISSION PREDICTION	İbrahim GÜNEY	İstanbul Sabahattin Zaim University, Türkiye
THE RELATIONSHIP BETWEEN MIGRATION, REFUGEE STATUS, AND URBANIZATION WITH THE PHENOMENON OF CRIME: A BIBLIOMETRIC ANALYSIS FOR THE 1923-2026 PERIOD	Esra ACUR Asst. Prof. Dr. Burak ACAR	Tokat Gaziosmanpaşa University, Türkiye