

EL RUHA

15th INTERNATIONAL CONFERENCE ON SCIENTIFIC RESEARCH



August 18-19, 2026



Şanlıurfa, Türkiye



EDITOR

Dr. Aziz İLGAZİ



ISBN: 979-8-89695-518-4

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30.08.2026

Liberty Publishing House

Water Street Corridor New York, NY 10038

www.libertyacademicbooks.com

+1 (314) 597-0372

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PROCEEDINGS BOOK

ISBN: 979-8-89695-518-4

CONFERENCE ID

CONFERENCE TITLE

**EL RUHA 15th INTERNATIONAL CONFERENCE ON
SCIENTIFIC RESEARCH**

DATE AND PLACE

August 18-19, 2026 / Şanlıurfa-Türkiye

ORGANIZATION

İKSAD INSTITUTE

EDITOR

Dr. Aziz İLGAZİ

PARTICIPANTS COUNTRY (12 countries)

**TÜRKİYE, ROMANIA, ALBANIA, MOROCCO, PAKISTAN, MALAYSIA,
NIGERIA, ALGERIA, INDIA, UZBEKISTAN, INDONESIA, KOSOVO**

Total Accepted Article: 44

Total Rejected Papers: 18

Accepted Article (Türkiye): 21

Accepted Article (Other Countries): 23

ISBN: 979-8-89695-518-4

EL RUHA
15th INTERNATIONAL CONGRESS ON SCIENTIFIC RESEARCH
August 18-19, 2026
Şanlıurfa, Türkiye

31.08.2026

REF: Akademik Teşvik

İlgili makama;

EL RUHA 15. Uluslararası Bilimsel Araştırmalar Kongresi, 18-19 Ağustos 2026 tarihleri arasında Şanlıurfa'da 12 farklı ülkenin (Türkiye 21 bildiri- Diğer ülkeler 23 bildiri) akademisyen/araştırmacılarının katılımıyla gerçekleşmiştir

Kongre 16 Ocak 2020 Akademik Teşvik Ödeneği Yönetmeliğine getirilen “Tebliğlerin sunulduğu yurt içinde veya yurt dışındaki etkinliğin uluslararası olarak nitelendirilebilmesi için Türkiye dışında en az beş farklı ülkeden sözlü tebliğ sunan konuşmacının katılım sağlaması ve tebliğlerin yarıdan fazlasının Türkiye dışından katılımcılar tarafından sunulması esastır.” değişikliğine uygun düzenlenmiştir.

Bilgilerinize arz edilir,

Saygılarımla



Prof. Dr. Hasan ÇİFTÇİ
On behalf of the Organizing Committee

Please, visit the conference web address to find more information about the event:

<https://www.elruha.org/>



T.C.

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Birecik Meslek Yüksekokulu Müdürlüğü



Sayı : E-23449751-900-583113
Konu : Kongre Düzenleme Kurulu Üyeliği (Prof.
Dr. Hasan ÇİFTÇİ hk.)

27.04.2026

PAZARLAMA VE REKLAMCILIK BÖLÜM BAŞKANLIĞINA

İlgi : Harran Üniversitesinin (Pazarlama ve Reklamcılık Bölüm Başkanlığı) 27 Nisan 2026 tarihli ve E-26507229-900.001-582754 sayılı yazısı.

İlgi yazı ile ; 2026 yılında IKSAD Enstitüsü tarafından Online ve Yüz yüze organize edilecek olan Bilimsel etkinliklerde ve Kongrelerde Düzenleme Kurulu Üyesi ve Akademisyen Temsilci olarak görev almanız birimimiz tarafından uygun karşılanmış olup;
Gereğini rica ederim.

Dr. Öğr. Üyesi Mahmut Nedim AĞAÇKESEN
Müdür

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EL RUHA

15th

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ON SCIENTIFIC RESEARCH



AUGUST 18-19, 2026



ŞANLIURFA, TÜRKİYE



PROGRAM



INTERNATIONAL



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EL RUHA 15th INTERNATIONAL CONFERENCE ON SCIENTIFIC RESEARCH

*August 18-19, 2026
Şanlıurfa, Türkiye*

CONGRESS PROGRAM

Zoom Meeting ID: 897 0755 8402

Zoom Passcode: 123456

<https://us02web.zoom.us/j/89707558402?pwd=qTLqmqNlKb0Zmkudxgzla11qdBH6y2.1>

Participant Countries (12):

Türkiye, Romania, Albania, Morocco, Pakistan, Malaysia, Nigeria, Algeria, India, Uzbekistan,
Indonesia, Kosovo

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IMPORTANT, PLEASE READ CAREFULLY

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18.08.2026 / IN-PERSON SESSION

Ankara Local Time: 11:00 – 12:00

**Harran Üniversitesi Osmanbey Kampüsü Sosyal Girişimcilik Uygulama ve Araştırma
Merkezi (Kütüphane içerisi)**

HEAD OF SESSION: Dr. Aziz İLGAZİ

Title	Author(s)	Affiliation
HEAVY-DUTY VEHICLES MIRRORCAM® SYSTEM DESIGN AND DEVELOPMENT: OPERATING PRINCIPLE, TECHNICAL FEATURES, SAFETY ADVANTAGES, AND IMPACTS ON FUEL EFFICIENCY	Veysel Karani YILMAZ Yusuf Tuna BİRER Sezer SAĞLAM Rifat AKGÜL Ahmet AVCI	Selçuk University, Türkiye Aksaray University, Türkiye KTO Karatay University, Türkiye Mercedes Benz Türk A.Ş., Türkiye
FACTORS ASSOCIATED WITH BRAKE SYSTEM FAILURES IN TRUCKS AND FIELD APPLICATIONS	Veysel Karani YILMAZ Yusuf Tuna BİRER Sezer SAĞLAM Rifat AKGÜL Ahmet AVCI	Selçuk University, Türkiye Aksaray University, Türkiye KTO Karatay University, Türkiye Mercedes Benz Türk A.Ş., Türkiye
EFFECT OF DEFICIT IRRIGATION ON THE YIELD PARAMETERS OF ROCKET (ERUCA SATIVA L.) GROWN IN GREENHOUSE CONDITIONS	M.Sc. Student Radwa Shawky Mohamed Monir MAHMOUD Prof. Dr. Yasemin KUŞLU	Benha University Atatürk University
EFFECT OF ROOT GROWTH PROMOTING BACTERIA ON ROCKET PLANTS (ERUCA SATIVA L.) GROWN UNDER GREENHOUSE CONDITIONS	M.Sc. Student Radwa Shawky Mohamed Monir MAHMOUD Prof. Dr. Yasemin KUŞLU	Benha University Atatürk University
All participants must join the conference 10 minutes before the session time. Every presentation should last not longer than 10-12 minutes. Kindly keep your cameras on till the end of the session.		

19.08.2026 / Online Session, Hall-1
Ankara Local Time: 10:00 – 12:00
Meeting ID: 897 0755 8402 / Passcode: 123456
Moderator: Assist. Prof. Zeynep Ülker Demir

Title	Author(s)	Affiliation
DEVELOPMENT OF A SCALE TO MEASURE PRONE TO MEDICAL ERRORS AMONG PARAMEDIC STUDENTS	Exp. Lect. Dr Merve EKİNCİ Lect. Dr. Hasan YEŞİLAĞAÇ Lect.Dr.Özlem KARAGÜN Lect.Dr. Veyis TAŞIN Res. Göksu AKBULUT Res. Aslı ASLAN Lect. Ayşe YAVUZ DERMAN	Başkent University, Türkiye
PAIN MANAGEMENT AND NURSING INTEGRATION BY PARAMEDICS IN PEDIATRIC PATIENTS	Lect.Dr. Özlem KARAGÜN Exp. Lect.Dr Merve EKİNCİ Eda SAĞEL Exp. Lect. Konca KAYA Lect Caner İNCEKAŞ	Başkent University, Türkiye Adana Provincial Health Directorate, Türkiye
A RHETORICAL ANALYSIS OF THE STYLE OF EMPHASIS (TAWKİD) IN THE DIALOGUES BETWEEN MOSES AND PHARAOH İN SÜRAT AL-A'RAF	Dr. Lect. Mehmet Sıddık YEGÜL	Çukurova University, Türkiye
RETROSPECTIVE ANALYSIS OF PEDIATRIC PATIENTS WITH POISONING PRIMARILY TRANSPORTED BY THE 112 EMERGENCY MEDICAL SERVICES	Exp. Dr. Ümit Alper ÖZCAN Exp. Dr. Esmâ KIR	Ankara Bilkent City Hospital, Türkiye University of Health Sciences, Türkiye
RETROSPECTIVE ANALYSIS OF PEDIATRIC PATIENTS WITH ABDOMINAL PAIN PRIMARILY TRANSPORTED BY THE 112 EMERGENCY MEDICAL SERVICES	Exp. Dr. Ümit Alper ÖZCAN Exp. Dr. Esmâ KIR	Ankara Bilkent City Hospital, Türkiye University of Health Sciences, Türkiye
AEROGELS AS MULTIFUNCTIONAL NANOPOROUS MATERIALS FOR THERMAL INSULATION AND DRUG DELIVERY	Assist. Prof. Zeynep Ülker Demir	Gebze Technical University, Türkiye
SEDANTER BİREYLER VE DÜZENLİ EGZERSİZ YAPAN BİREYLER ARASINDA KRONİK MUSKULOSKELETAL AĞRI VE YAŞAM KALİTESİ İLİŞKİSİ	Exp. Lect. Konca KAYA Ecem TEMELLİ Bengisu BADAY Şeymanur ÇOĞAL R.Sinem BALCI Meliha BERDAN Merve EKİNCİ Ayşe YAVUZ DERMAN Pınar DORUK ANALAN	Başkent University, Türkiye
LUMBAL DİSK HERNİLİ HASTALARDA KONSERVATİF FİZİK TEDAVİ UYGULAMALARININ UYKU KALİTESİ, FONKSİYONELLİK VE AĞRI ÜZERİNE ETKİSİ	Exp. Lect. Konca KAYA Esra KIZILYILDIRIM Perihan Nur KOKUTAY Büşra AKTAŞ R.Sinem BALCI Meliha BERDAN Merve EKİNCİ Ayşe YAVUZ DERMAN Pınar DORUK ANALAN	Başkent University, Türkiye
FAECAL SHORT-CHAIN FATTY ACIDS IN RATS AND THEIR IMPORTANCE	Ph.D.(c.) Emsalnur AÇIKGÖZ Assoc. Prof. Dr. Beyza SUVARIKLI ALAN	Selcuk University, Türkiye

Prof. Dr. Seyfullah HALILOĞLU

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19.08.2026 / Online Session, Hall-2

Ankara Local Time: 10:00 – 12:00

Meeting ID: 897 0755 8402 / Passcode: 123456

Moderator: Assist. Prof. Dr. Faruk SEZER

Title	Author(s)	Affiliation
EKLEMELİ İMALATLA ÜRETİLEN POLİMER PARÇALARIN YAPIŞTIRICI İLE BİRLEŞTİRİLMESİNDE MEKANİK PERFORMANSI ETKİLEYEN FAKTÖRLERİN İNCELENMESİ	Dr. Mehmet Şah GÜLTEKİN	Siirt University, Türkiye
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DEVELOPMENT OF AN INTEGRATED CST-SU2 FRAMEWORK FOR TRANSONIC SUPERCRITICAL AIRFOIL VARIANT GENERATION	Res. Assist. Dr. Burhan Necati KIZILOĞLU Assist. Prof. Dr. Yunus ÇELİK	Sivas University of Science and Technology, Türkiye
BEYOND THE RATIONAL AGENT: A BIBLIOMETRIC ROADMAP OF SOCIAL PREFERENCES IN MICROECONOMIC GAMES	Assist. Prof. Dr. Faruk SEZER	Bayburt University, Türkiye
BIBLIOMETRIC MAPPING OF THE BEHAVIORAL FINANCE AND COGNITIVE BIASES LITERATURE	Assist. Prof. Dr. Faruk SEZER	Bayburt University, Türkiye
EVALUATION OF THE ETHNOBOTANICAL, PHYTOCHEMICAL AND BIOLOGICAL PROPERTIES OF SUMAC (RHUS CORIARIA L.) CONSUMED AS A SPICE AND DIETARY SUPPLEMENT IN ŞANLIURFA (TÜRKİYE)	Assoc. Prof. Dr. Mustafa ASLAN	Harran University, Türkiye

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19.08.2026 / Online Session, Hall-3
Ankara Local Time: 10:00 – 12:00
Meeting ID: 897 0755 8402 / Passcode: 123456
Moderator: Dr. Ambreen Anjum

Title	Author(s)	Affiliation
STUDENT SATISFACTION WITH THE CHOSEN FIELD OF STUDY: DECISIONAL AUTONOMY, ACADEMIC SELF-ESTEEM AND TEACHING QUALITY	Bogdan N. Mucea	11 Decembrie 1918 University of Alba Iulia, Romania
EXPOSURE TO FOREIGN EXCHANGE RISK AND THE IMPACT OF EXCHANGE RATE FLUCTUATIONS ON THE STABILITY OF THE ALBANIAN BANKING SYSTEM	Kristal Hykaj Ardita Hykaj	Mediterranean University, Albania
BEYOND EMPLOYMENT OPPORTUNITIES: OUTSOURCING, GRADUATE PRECARIETY, AND WORK-FAMILY BALANCE IN THE DIGITAL ECONOMY	Isirabahenda Gonzague	11 Decembrie 1918 University of Alba Iulia, Romania
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IMPACT OF EXERCISE ADHERENCE AND WORK-LIFE BALANCE ON EMPLOYEES PERFORMANCE	Dr. Ambreen Anjum Kshaf Nasir	Virtual University of Pakistan, Pakistan Lahore College for Women University, Pakistan
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19.08.2026 / Online Session, Hall-4
Ankara Local Time: 10:00 – 12:00
Meeting ID: 897 0755 8402 / Passcode: 123456
Moderator: Maria BENMAMMAR

Title	Author(s)	Affiliation
BIO-HYBRID URBAN INFRASTRUCTURE: SYNERGIZING MICROALGAL ELECTROCHEMICAL CELLS AND PHOTOVOLTAICS IN LANDSCAPE ARCHITECTURE	Rashidi Othman Muhammad Hanafi Ismail Wan Syibrah Hanisah Wan Sulaiman	International Islamic University Malaysia, Malaysia
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PSO-TUNED FRACTIONAL-ORDER PID CONTROL FOR ROBUST TIP POSITION TRACKING OF A SINGLE-LINK FLEXIBLE MANIPULATOR	Maria BENMAMMAR Samir LADACI Moufid MANSOUR	University of Science and Technology Houari Boumediene, Algeria Department of Automatic Control Engineering, Algeria
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SORPTION OF EOSIN YELLOW AND METANIL YELLOW DYES FROM AQUEOUS SOLUTION USING ANION EXCHANGE RESIN	Shilpashree K J Rajendraprasad N	University of Mysore, India
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19.08.2026 / Online Session, Hall-5
Ankara Local Time: 10:00 – 12:00
Meeting ID: 897 0755 8402 / Passcode: 123456
Moderator: Benbrika Chaima

Title	Author(s)	Affiliation
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PREVALENCE AND PATTERNS OF POTENTIALLY INAPPROPRIATE MEDICATIONS AND PRESCRIBING OMISSIONS IN HOSPITALIZED PEDIATRIC PATIENTS: A CROSS-SECTIONAL STUDY USING THE KIDS LIST AND POPI CRITERIA	Tahira Ansar Sanam Shahid Shah	Government College University Faisalabad, Pakistan
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19.08.2026 / Online Session, Hall-6
Ankara Local Time: 10:00 – 12:00
Meeting ID: 897 0755 8402 / Passcode: 123456
Moderator: Nurnazar PIRNAZAROV

Title	Author(s)	Affiliation
AXIOLOGICAL FRAGMENTATION AND THE CONTINUITY OF SPIRITUAL VALUES IN DIGITAL CULTURE: A TECHNOHUMANIST INTERPRETATION	Nurnazar PIRNAZAROV	Sarbon University, Uzbekistan TIHAME National Research University, Uzbekistan
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WHY ECO-NUDGING TRIGGERS BOTH COMPLIANCE AND REACTANCE:EVIDENCE FROM EMERGING DIGITAL FINANCE MARKETS	Eduardus Suharto Mercurius Broto Legowo	Perbanas Institute, Indonesia
COMPREHENSIVE REVIEW OF LEAD-FREE HALIDE PEROVSKITES FOR SOLAR CELLS AND PHOTOCATALYSIS	Laiba Khan Sumayya Rasool Maarij Wadood	University of Malakand, Pakistan
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BIO-HYBRID URBAN INFRASTRUCTURE: SYNERGIZING MICROALGAL ELECTROCHEMICAL CELLS AND PHOTOVOLTAICS IN LANDSCAPE ARCHITECTURE

Rashidi Othman

Department of Landscape Architecture, Kulliyyah of Architecture and Environmental Design,
International Islamic University Malaysia, 53100 Kuala Lumpur, Malaysia

Muhammad Hanafi Ismail

Department of Landscape Architecture, Kulliyyah of Architecture and Environmental Design,
International Islamic University Malaysia, 53100 Kuala Lumpur, Malaysia

Wan Syibrah Hanisah Wan Sulaiman

International Institute for Halal Research & Training, International Islamic University
Malaysia, 53100 Kuala Lumpur, Malaysia

ABSTRACT

The global built environment faces increasing pressure to adopt renewable energy solutions that overcome the intermittency of conventional systems such as photovoltaics. Photovoltaic (PV) canopies, while effective for solar electricity generation and shading in outdoor spaces, are limited by diurnal and seasonal irradiance constraints. This study explores the integration of algal bioelectric systems with PV canopy structures as a hybrid renewable energy approach for built environments. The objective was to evaluate the bioelectric potential of three algal species specifically *Alkalinema* sp., *Phormidium* sp., and *Chlorella vulgaris* using carbon and nickel electrodes, and to discuss the feasibility of incorporating such bio-electrochemical units within PV canopy installations. Algal cultures were maintained in BG11 medium for four weeks, after which centrifuged biomass served as the positive electrolyte and fresh BG11 medium as the negative control. Half-cells were assembled with carbon and nickel electrodes and connected to a Battery Testing System for continuous 24-hour voltage recording. Results indicated that *Chlorella vulgaris* generated the highest voltage with carbon electrodes (200 mV), followed by *Alkalinema* sp. (100 mV) and *Phormidium* sp. (50 mV). With nickel electrodes, cyanobacterial species outperformed *Chlorella vulgaris*, producing 125 mV (*Alkalinema* sp.) and 80 mV (*Phormidium* sp.) compared to only 10 mV. Carbon-based cells demonstrated relatively stable voltage over 24 hours, suggesting suitability for continuous low-power applications. These findings support the feasibility of algal bioelectric units as complementary energy sources within PV canopy structures, providing trickle-charge capacity during overcast conditions or nighttime. From a landscape architecture perspective, algal cultivation modules can be integrated into structural columns, planters, or water systems of canopies, combining renewable energy generation with carbon sequestration and aesthetic benefits, particularly in tropical climates.

Keywords: Photovoltaic canopy; bioelectric; algae; built environment; renewable energy