



İSTANBUL AYDIN UNIVERSITY

İSTANBUL AYDIN UNIVERSITY

CAMPUS PODIUM / UNIVERSITY E-BULLETIN AUGUST 16-31,
2025 ISSUE 67



IAUKampus



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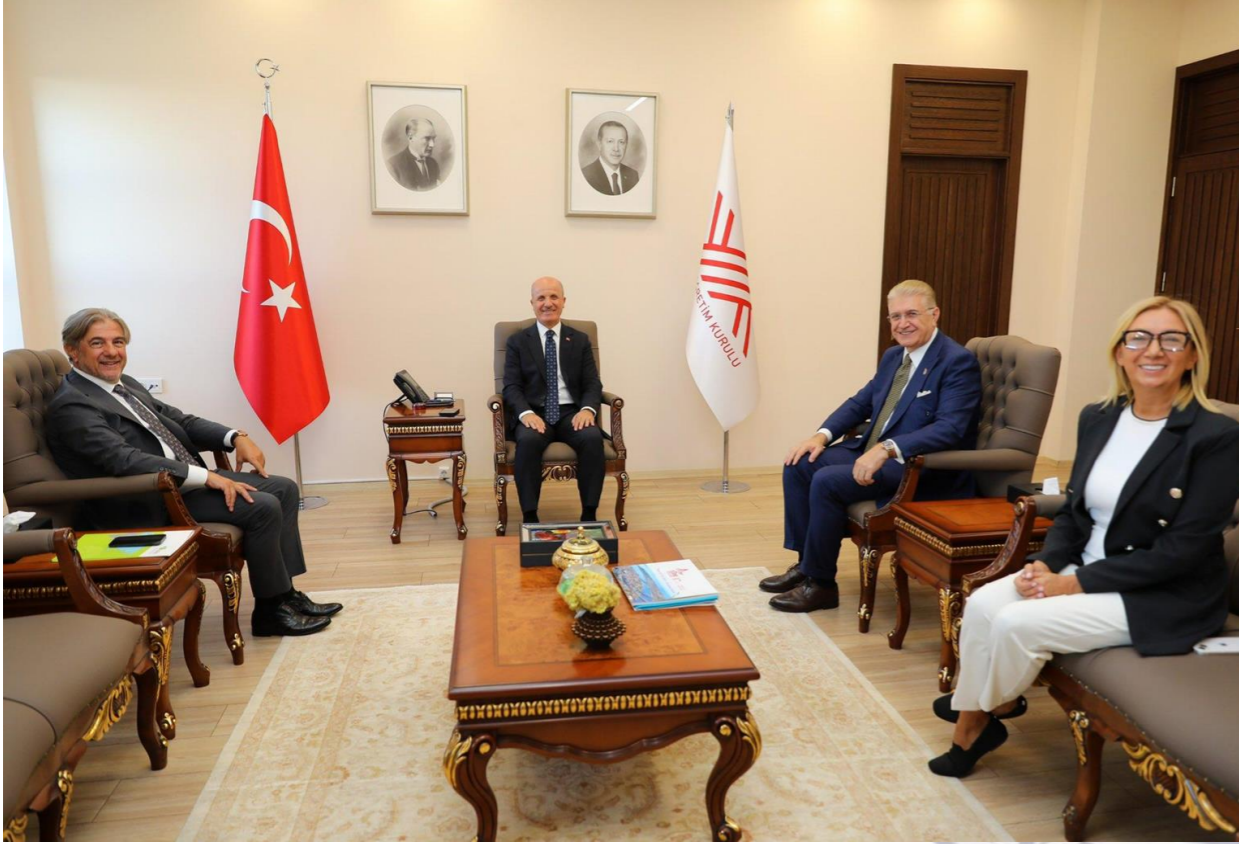
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UNITS

- Faculty of Dentistry
- Faculty of Pharmacy
- Faculty of Education
- Faculty of Science and Literature
- Faculty of Fine Arts
- Faculty of Law
- Faculty of Economics and Administrative Sciences
- Faculty of Communication
- Faculty of Architecture and Design
- Faculty of Engineering
- Faculty of Health Sciences
- Faculty of Sports Sciences
- Faculty of Medicine
- Faculty of Applied Sciences
- Vocational School of Justice
- Anadolu Bil Vocational School
- Preparatory School
- Vocational School of Health Services
- School of Foreign Languages
- Institute of Graduate Education



Prof. Dr. Mustafa AYDIN, Chairman of the Board of Trustees of Istanbul Aydın University (İAÜ), visited Prof. Dr. Erol ÖZVAR, President of the Council of Higher Education (YÖK). During the meeting, with the participation of Tunisian Ambassador Ahmet Misbah DEMİRCAN, productive discussions were held regarding the Turkish–Arab University Rectors Congress, which will be held this year in Tunisia for the fifth time under the leadership of YÖK, in cooperation with the Eurasian Universities Union (EURAS) and the Arab Universities Union.



AYDIN AGENDA

2

Prof. Dr. Mustafa AYDIN, Chairman of the Board of Trustees of Istanbul Aydın University, met with Prof. Dr. Orhan AYDIN, President of TÜBİTAK





Prof. Dr. Mustafa AYDIN, Chairman of the Board of Trustees of Istanbul Aydın University, attended the August meeting of the Küçükçekmece City Council.



Prof. Dr. Mustafa AYDIN, Chairman of the Board of Trustees of Istanbul Aydın University, attended the UFRAD August Board of Directors Meeting.



AYDIN AGENDA

5



Istanbul Aydın University Board of Trustees Chairman, Prof. Dr. Mustafa AYDIN, visited Cyprus Aydın University.



Istanbul Aydın University hosted the delegation from Wuhan Technical University at our campus. Istanbul Aydın University Rector, Prof. Dr. İbrahim Hakkı AYDIN, signed a Bilateral Cooperation Agreement that will strengthen our academic collaboration.



NEWS FROM THE CAMPUS

7

From August 21 to 26, 2025, in Warsaw, Poland, our team became the European Champion at the Interuniversity European Karate Championship, which hosted 326 athletes from 145 universities across 17 countries. We are proud of your achievements and wish you a path always full of success.



İSTANBUL AYDIN
ÜNİVERSİTESİ | 22. Yılı

AVRUPA ŞAMPİYONU KARATE TAKIMIMIZI *Tebrik Ederiz*



ÜST ÜSTE 3. KEZ
AVRUPA ŞAMPİYONU
2023-2024-2025

Polonya'da düzenlenen Avrupa Karate Şampiyonası'nda üniversitemiz **üçüncü kez Avrupa Şampiyonu** olmuştur. Bu sevinci ve gururu bizlere yaşatan tüm sporcularımızı ve teknik ekibimizi tebrik ediyorum.

Prof. Dr. İbrahim Hakkı AYDIN
İstanbul Aydın Üniversitesi Rektörü



Our ElektroAydın Team will compete as a finalist in the TÜBİTAK Efficiency Challenge, taking place from August 24–31, 2025! We are proud of the hard work of our students and faculty!



NEWS FROM THE CAMPUS

9

The study conducted by Ayten Nahide KORKMAZ, Lecturer in the Department of Foreign Trade, together with the faculty members of the Innovation Economics Chair at the University of Hohenheim, Prof. Dr. Andreas PYKA, Stephanie LANG, and Prof. Dr. Elif NUROĞLU, titled "Towards a sustainable bioeconomy in Turkey: challenges, opportunities and pathways for EU collaboration", has been published in the Q1-indexed journal European Planning Studies.



İSTANBUL AYDIN
ÜNİVERSİTESİ

22 Yıl

SSCI:Q1

Makalenin Adı: **Towards a sustainable bioeconomy in Türkiye: challenges, opportunities and pathways for EU collaboration**

Dergi Adı: **European Planning Studies**

İNDEKS: **SSCI:Q1**

Yayın Tarihi: **Temmuz 2025**



Öğretim Görevlisi Ayten Nahide KORKMAZ
Dış Ticaret(İngilizce) Programı

Makalenin Linki:
<https://www.tandfonline.com/doi/full/10.1080/09654313.2025.2537906#abstract>



IAU ACADEMICS IN VISUAL MEDIA

10

(((•))) CANLI YAYIN



DOÇ. DR.
MEHMET CEM OĞULTÜRK

SİYASET BİLİMİ VE ULUSLARARASI İLİŞKİLER
ÖĞRETİM ÜYESİ

17.08.2025 / 14.00
Pazar

**HABER
TURK**



(((•))) CANLI YAYIN



PROF. DR.
HÜSEYİN SELİMLER

İAÜ İKTİSADİ VE İDARİ BİLİMLER
FAKÜLTESİ

23.08.2025 / 20.00
Cumartesi

EKOLTV

X @ f iaukampus / iaubasin

www.aydin.edu.tr



(((•))) CANLI YAYIN



DR. ÖĞRETİM ÜYESİ
MURAT JANE

SİYASET BİLİMİ VE ULUSLARARASI İLİŞKİLER
ÖĞRETİM ÜYESİ

18.08.2025 / 21.00
Pazartesi

NTV



(((•))) CANLI YAYIN



PROF. DR.
TARIK OĞUZLU

İAÜ FEN EDEBİYAT FAKÜLTESİ DEKANI

18.08.2025 / 19.40
Pazartesi

Bloomberg

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IAU ACADEMICS IN VISUAL MEDIA

11

(((•))) CANLI YAYIN



DR. ÖĞRETİM ÜYESİ
FİLİZ KATMAN

İAÜ EPPAM MÜDÜRÜ

16.08.2025 / 10.00
Cumartesi

HABER | GLOBAL



(((•))) CANLI YAYIN



DR. ÖĞRETİM ÜYESİ
ÖZGÜR TÖR

İAÜ ULUSLARARASI İLİŞKİLER
ÖĞRETİM ÜYESİ VE TAM MÜDÜRÜMÜZ

16.08.2025 / 19.30
Cumartesi

LİDER | HABER



(((•))) CANLI YAYIN



DR. ÖĞRETİM ÜYESİ
CANAN TERCAN

İKTİSADİ VE İDARİ BİLİMLER FAKÜLTESİ SİYASET VE
ULUSLARARASI İLİŞKİLER İNGİLİZCE ÖĞRETİM ÜYESİ

16.08.2025 / 12.00
Cumartesi

tvnet.



(((•))) CANLI YAYIN



DR. ÖĞRETİM ÜYESİ
HAZAR VURAL

SİYASET BİLİMİ VE ULUSLARARASI İLİŞKİLER
ÖĞRETİM ÜYESİ

26.08.2025 / 20.00
Salı

HABER | GLOBAL



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IAU ACADEMICS IN VISUAL MEDIA

12

(((•))) CANLI YAYIN **IAU BASIN**

DR. ÖĞRETİM ÜYESİ
GÜVEN ÖZDEMİR

İAÜ ANADOLU BİL MYO
MÜDÜR YARDIMCIMIZ

27.08.2025/ 14.00
Çarşamba

TGRT HABER



(((•))) CANLI YAYIN **IAU BASIN**

DR. ÖĞRETİM ÜYESİ
CÜNEYD EBRAR LEVENT

İAÜ ÖĞRETİM ÜYESİ
KURSAM YÖNETİM KURULU ÜYESİ

27.08.2025 / 12.30
Çarşamba

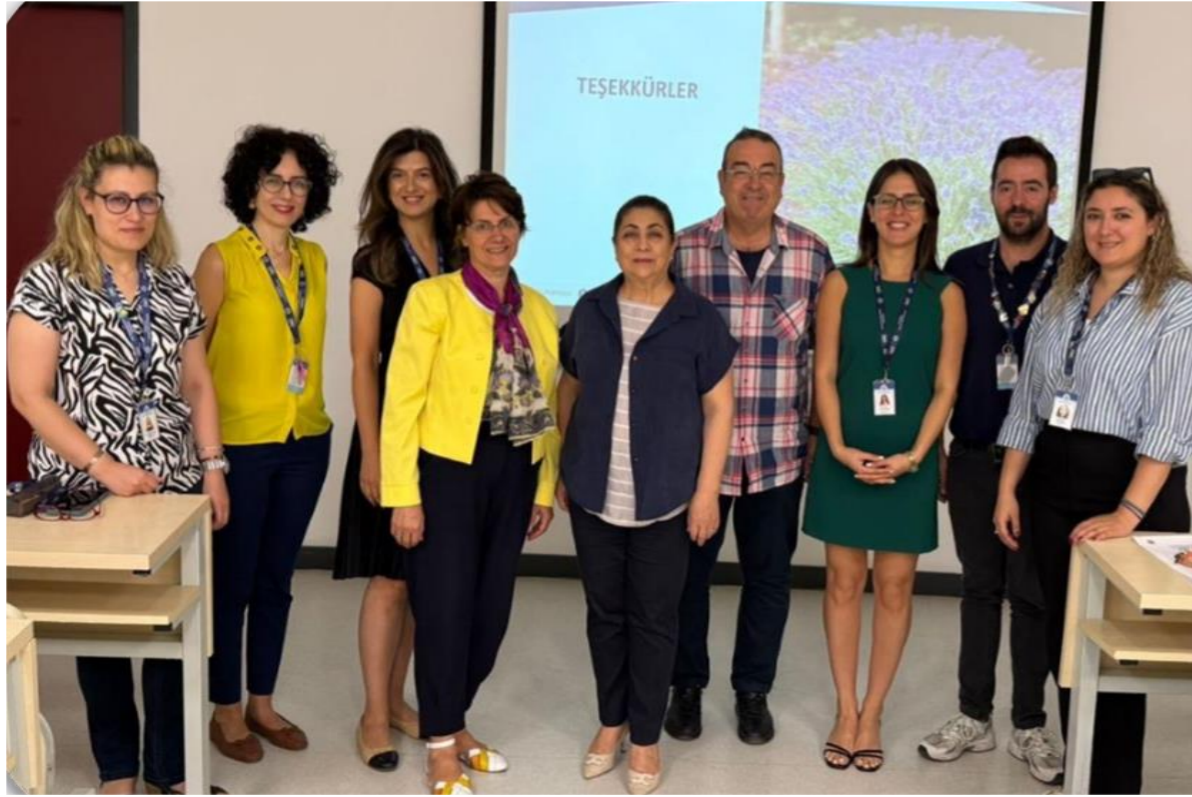
AGRO TV

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The Faculty of Pharmacy held its first academic board meeting on August 20, 2025, in classroom M-9701. Following the comprehensive presentation delivered by the Dean of the Faculty of Pharmacy, Prof. Dr. A. Nurten Özdemir, which included evaluations of the entire year, faculty members shared their views, wishes, and expectations regarding the new term and its objectives.



FACULTY OF PHARMACY

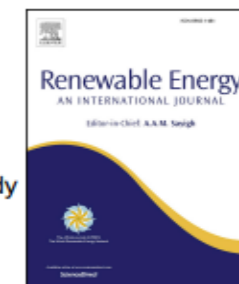
14

The study titled “Palladium-Doped Bimetallic Sulfide Spinel Nano-Electrocatalyst Grown on Nickel Foam for Efficient Green Hydrogen Production Validated by First Principal DFT Study” by Prof. Dr. Abdulhadi BAYKAL, faculty member of the Department of Analytical Chemistry, has been published in the Q1-indexed journal Renewable Energy.

Journal Pre-proof

Palladium-Doped Bimetallic Sulfide Spinel Nano-Electrocatalyst Grown on Nickel Foam for Efficient Green Hydrogen Production Validated by First Principal DFT Study

Mubarak A. Adebunmi, Refah S. Alkhaldi, M.A. Gondal, A. Alsayoud, M.J.S Mohamed, Munirah A. Almessiere, A. Baykal



PII: S0960-1481(25)01943-3

DOI: <https://doi.org/10.1016/j.renene.2025.124279>

Reference: RENE 124279

To appear in: *Renewable Energy*

Received Date: 8 April 2025

Revised Date: 24 July 2025

Accepted Date: 18 August 2025

Please cite this article as: Adebunmi MA, Alkhaldi RS, Gondal MA, Alsayoud A, Mohamed MJS, Almessiere MA, Baykal A, Palladium-Doped Bimetallic Sulfide Spinel Nano-Electrocatalyst Grown on Nickel Foam for Efficient Green Hydrogen Production Validated by First Principal DFT Study, *Renewable Energy*, <https://doi.org/10.1016/j.renene.2025.124279>.



FACULTY OF PHARMACY

15

The study titled “The performance efficiency of Pt@Cu bimetallic nanosponges in the design of label-free electrochemical immuno- and aptasensors for determination of HER2” by Dr. Cem ERKMEN and Dr. Lecturer Zeynep TÜRK, faculty members of the Department of Analytical Chemistry, has been published in the Q1-indexed Microchemical Journal.

Microchemical Journal 216 (2025) 114643

Contents lists available at ScienceDirect

Microchemical Journal

journal homepage: www.elsevier.com/locate/microchem

The performance efficiency of Pt@Cu bimetallic nanosponges in the design of label-free electrochemical immuno- and aptasensors for determination of HER2

Cem Erkmen^{a,b,*}, Zeynep Turk^{a,b}, Filiz Kuralay^c

^a Department of Analytical Chemistry, Faculty of Pharmacy, Istanbul Aydın University, Istanbul 34295, Türkiye
^b Application and Research Center for Advanced Studies, Istanbul Aydın University, Istanbul 34295, Türkiye
^c Department of Chemistry, Faculty of Science, Hacettepe University, Ankara 06800, Türkiye

ARTICLE INFO

Keywords:
Screen-printed electrodes
Pt@Cu nanosponges
Immunosensor
Aptasensor
HER2 biomarker

ABSTRACT

Early cancer detection is a crucial step for survival, and the label-free and sensitive detection of human epidermal growth factor receptor 2 (HER2), a key biomarker, is still one of the important research areas in the diagnosis of breast cancer. Here, we reported the development of novel label-free immuno- and aptasensors for HER2 detection based on modified screen-printed electrodes (SPE) with the decoration of platinum and copper bimetallic-based nanosponges (Pt@Cu NSs). The surface of Pt@Cu NSs/SPE has been immobilized by HER2-specific monoclonal antibody (anti-HER2) and aptamer, separately. The analytical performances of both immuno- and aptasensors with their associated HER2 antigen were investigated using the electrochemical impedance spectroscopy (EIS) technique. Both sensors exhibited similar performance under optimal experimental conditions, with a nearly identical limit of detection (LOD) of 30.3 fg mL⁻¹ and 33.3 fg mL⁻¹ for immuno- and aptasensors, respectively, in the range of 0.1–10,000 pg mL⁻¹. The immuno- and aptasensors' results were further verified by detecting spiked HER2 in commercial human serum samples, yielding satisfactory recovery results (aptasensor: 100.16–103.56 %; immunosensor: 103.88–106.40 %) with RSD values below 10 %. The immuno- and aptasensors corroborated good stability, reproducibility, and selectivity as well as were found to be selective toward HER2 in the presence of various interfering agents. Our current findings demonstrate the great potential of our developed immuno- and aptasensors for practical use by combining electrochemical approaches to obtain accurate disease detection with simultaneous use.



FACULTY OF PHARMACY

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Dr. Cem ERKMEN, Faculty Member of the Department of Analytical Chemistry, has published his study titled "A review on keratin-based sensor platforms: Structural properties of keratin, their role in analytical sensing applications, and future perspectives" in the Q1-indexed International Journal of Biological Macromolecules.

International Journal of Biological Macromolecules 321 (2025) 146469

Contents lists available at ScienceDirect

International Journal of Biological Macromolecules

journal homepage: www.elsevier.com/locate/ijbiomac

Review

A review on keratin-based sensor platforms: Structural properties of keratin, their role in analytical sensing applications, and future perspectives

Selva Bilge^{a,*}, Cem Erkmen^{b,c,*}, Abdullah Yücel^a

^a Ankara University, Faculty of Science, Department of Chemistry, Ankara 06100, Türkiye
^b Istanbul Aydın University, Faculty of Pharmacy, Department of Analytical Chemistry, Istanbul 34295, Türkiye
^c Istanbul Aydın University, Application and Research Center for Advanced Studies, Istanbul 34295, Türkiye

ARTICLE INFO

Keywords:
Analytical analysis
Sensing
Keratin materials
Electrochemical sensor
Optical sensor

ABSTRACT

Keratin, a fibrous structural protein abundant in biological materials, has recently garnered attention as a novel and environmentally friendly material for sensor platforms due to its diverse properties and biocompatibility. This review provides a comprehensive and up-to-date overview of keratin-based sensor platforms, emphasizing the structural features, such as its complex disulfide (-S-S) bonding network and ability to form nanofibrous matrices, that make keratin particularly suitable for analytical sensing applications. The sensing performance of keratin-based materials is critically evaluated, with a focus on their sensitivity and selectivity toward various analytes, including pharmaceutical compounds, proteins, and heavy metals. Particular attention is given to the mechanisms by which keratin interacts with analytes to produce measurable electrical, optical, or mechanical signals. Furthermore, the review discusses current limitations, including the need for improved mechanical stability and long-term durability, and outlines strategies for functional modification. The review also addresses fabrication techniques such as electrospinning and layer-by-layer assembly used to integrate keratin into sensor platforms. Additionally, the potential for incorporating keratin-based sensors into wearable and implantable devices is explored, with a focus on their applications in medical diagnostics, environmental monitoring, and food safety. Unlike previous reviews that primarily address keratin's general biomaterial applications, this review presents a focused and in-depth analysis of keratin's role specifically in sensor technology, showcasing the most recent advances, fabrication strategies, and practical implementations. The review uniquely bridges the gap between fundamental keratin chemistry and real-world sensor development, offering novel insights into how keratin's molecular versatility can be harnessed to design next-generation, eco-friendly, and biocompatible sensing platforms.



FACULTY OF EDUCATION

17

The article titled “Enhancing EFL Learners' Delexical Collocation Knowledge Through Contextual Reading and Digital Tools”, co-authored by Dr. Akbar Alişah from the Faculty of Education, English Language Teaching Program, and Nagihan Usta, was published in the August 2025 issue of RumeliDe Journal of Language and Literature Studies.



Published August 9, 2025 | Version v1

Journal article

Enhancing EFL Learners' Delexical Collocation Knowledge Through Contextual Reading and Digital Tools

USTA, Nagihan (Contact person) ; ALIŞAH, Akbar (Contact person)

The present study aims to investigate the impact of contextual reading and digital tools on enhancing Turkish EFL students' receptive and productive knowledge of delexical verb-noun collocations. Twenty-four Turkish EFL students, who were enrolled in an English Preparatory School of a state university in Türkiye, took part in the study. The study adopted a one-group pre-test/post-test design with an intervention stage, which included a contextual reading text and *Quizlet* activities that target delexical verb-noun collocations. The tests were composed of two parts, fill-in-the-blanks task and paragraph writing task, which aimed to evaluate receptive and productive knowledge of the students, respectively. The results indicated that the students showed statistically significant improvements not only in receptive task but also in productive task. Furthermore, Cohen's *d* was calculated as 1.1787 for receptive knowledge while it was even higher in productive knowledge (Cohen's $d=1.3077$), revealing that the intervention had a large effect on students' retention. Therefore, it can be concluded that providing students with delexical verb-noun collocations in context and scaffolding them through engaging activities play a significant and an effective role in their receptive and productive skills.



FACULTY OF EDUCATION

18

Associate Dean of the Faculty of Education and Faculty Member of the Preschool Teaching Program, Assoc. Prof. Dr. Ali Yiğit Kutluca, together with Tuğçe Büşra Karakaş, authored a book chapter titled “An Examination of Preschool Teachers’ Pedagogical Competencies Regarding Integrated Science and Mathematics Activities in Terms of Their Pedagogical Beliefs.” The book, Contemporary Perspectives on Science Education Research XII, has been published by Akademisyen Publishing.

BÖLÜM 6



OKUL ÖNCESİ ÖĞRETMENLERİNİN BÜTÜNLEŞTİRİLMİŞ FEN VE MATEMATİK ETKİNLİKLERİNE İLİŞKİN PEDAGOJİK YETERLİLİKLERİNİN PEDAGOJİK İNANÇLARI AÇISINDAN İNCELENMESİ

Tuğçe Büşra KARAKAŞ¹
Ali Yiğit KUTLUCA²

GİRİŞ

Günümüz eğitim yaklaşımları, okul öncesi dönemin bireylerin bilişsel, duyuşsal ve psikomotor gelişiminde temel bir rol oynadığını vurgulamaktadır. Bu dönemde özellikle fen ve matematik alanlarına yönelik tutumların şekillenmesi, ilerleyen yıllarda akademik başarıyı ve bilimsel düşünme becerilerini doğrudan etkilemektedir (Whittaker et al., 2020). Dolayısıyla, okul öncesi öğretmenlerinin fen ve matematik etkinliklerini bütünleştirerek sunabilmeleri ve bu süreçte pedagojik yeterliklerinin yüksek olması büyük önem taşımaktadır.



Assistant Professor Dr. Serenay Başalev Acar from the Preschool Teaching Program delivered a presentation titled “Observation-Based Data Recording in Early Childhood” on August 19, 2025, as part of the in-service training seminars organized at Tarhan College Florya Campus.

Prof. Dr. Belma Tuğrul, Head of the Preschool Teaching Program at the Faculty of Education, conducted an in-service training titled “First Play” for AIKA Kindergarten teachers on August 21, 2025. The training, which aimed to support teachers’ professional development and bring innovative perspectives to classroom practices, addressed current approaches and effective teaching methods in early childhood education.





FACULTY OF SCIENCE AND LITERATURE

21

(((•))) CANLI YAYIN 

PROF. DR. TARIK OĞUZLU

İAÜ FEN EDEBİYAT FAKÜLTESİ DEKANI

15.08.2025 / 21.00
Cuma



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(((•))) CANLI YAYIN 

PROF. DR. TARIK OĞUZLU

İAÜ FEN EDEBİYAT FAKÜLTESİ DEKANI

15.08.2025 / 23.59
Cuma

HABER TURK

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Dean of the Faculty of Sciences and Literature, Prof. Dr. Tarık Oğuzlu, appeared as a live guest on various television channels.



FACULTY OF SCIENCE AND LITERATURE

22

Dean of the Faculty of Arts and Sciences, Prof. Dr. Tarık Oğuzlu, gave an assessment on the foreign policy agenda on TRT Haber on August 15, 2025.

TRT HABER

CANLI



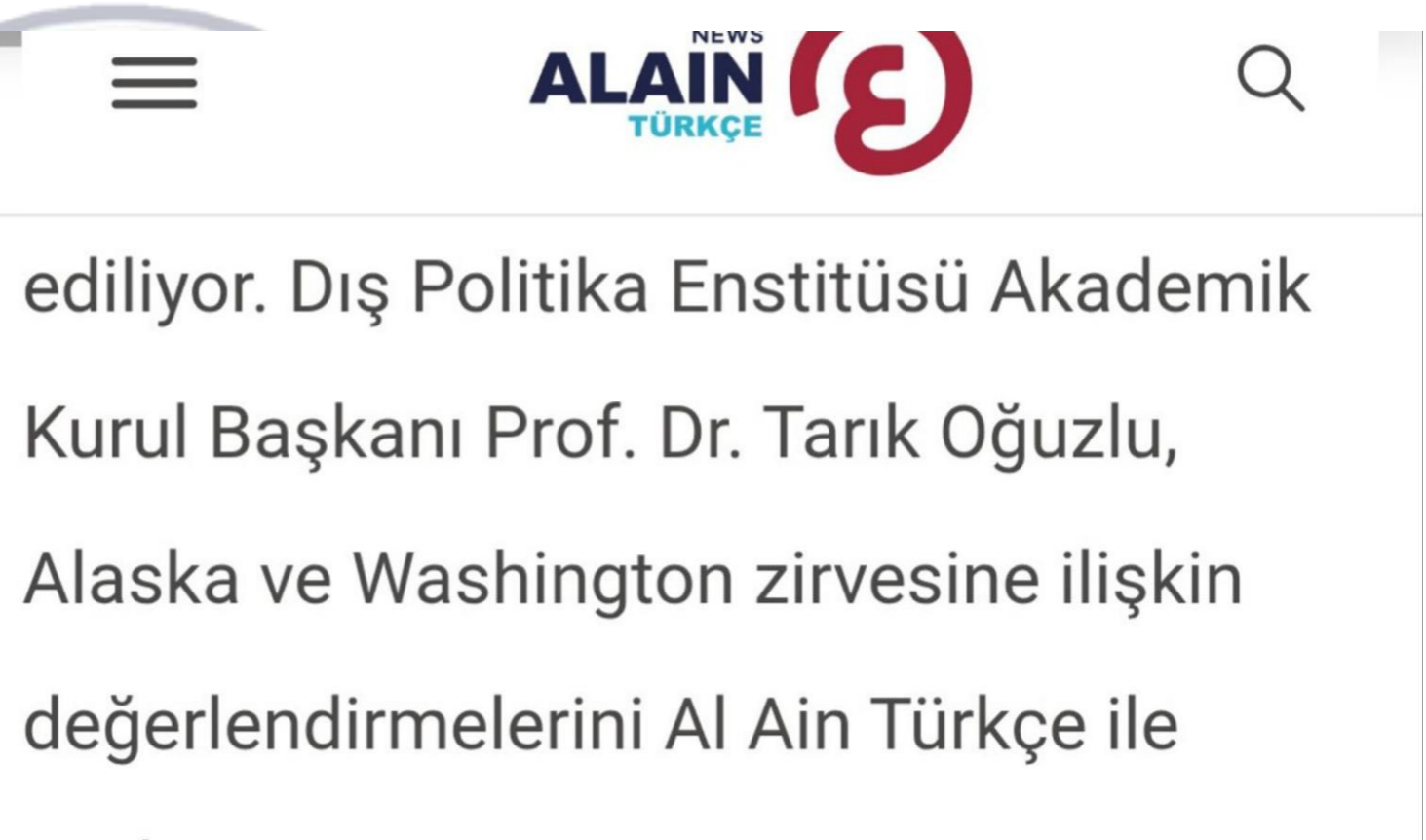
mümkün?" sorusunu önemli. Biz de hem bu soruya yanıt aramak hem de AB'nin mevcut durumunu daha iyi anlamak adına **İstanbul Aydın Üniversitesi** Öğretim Görevlisi Prof. Dr. Tarık Oğuzlu ile konuştuk.



FACULTY OF SCIENCE AND LITERATURE

23

Dean of the Faculty of Arts and Sciences, Prof. Dr. Tarık Oğuzlu, made evaluations on the foreign policy agenda on August 19, 2025, at News Alain.





FACULTY OF SCIENCE AND LITERATURE

24

The article titled 'Biotechnological Preparedness for Novel Pandemics: Diagnostic Performance of IVDS Against SARS-CoV-2' by Dr. Meltem Ercan, a faculty member of the Department of Molecular Biology and Genetics, has been published in the journal MicrobiologyOpen.

 İSTANBUL AYDIN
ÜNİVERSİTESİ | *22 Yıl*

SCIE-Q1

Makalenin Adı: **Biotechnological Preparedness for Novel Pandemics: Diagnostic Performance of IVDS Against SARS-CoV-2**

Dergi Adı: **MicrobiologyOpen**

İNDEKS: **SCIE-Q1**

Yayın Tarihi: **Ağustos 2025**

Dr. Öğr. Üyesi Meltem ERCAN
Fen-Edebiyat Fakültesi, Moleküler Biyoloji ve Genetik Bölümü

Makalenin Linki:
<https://onlinelibrary.wiley.com/doi/10.1002/mbo3.70042>



FACULTY OF COMMUNICATION

25

Preparatory work has begun for Radio Aydın, which is planned to be established within the Faculty of Communication. Music, news, and talk programs that will be part of the broadcast schedule have been planned. The work, carried out with the contribution of the faculty's students, is aimed to be completed in a short time. Radio Aydın is expected to start broadcasting in the near future.





FACULTY OF COMMUNICATION

26

"Broadcasting under the Faculty of Communication, AydınİF TV welcomes its second season with a brand-new lineup of programs. This season, our students and academic staff will once again engage viewers with informative and enriching content."

AYDINİF TV
2.Sezonu İle Burada

The 3rd issue of the Journalism Department's Practice Newspaper for the Spring Semester of the 2024-2025 Academic Year is out!



DÖNEM 3 SAYI 3

2024/2025 GAZETECİLİK BÖLÜMÜ
BAHAR DÖNEMİ UYGULAMA GAZETESİ

Geleceğin İletişimcileri Cumhuriyet Gazetesi'ni Ziyaret Etti

İstanbul Aydın Üniversitesi İletişim Fakültesi Gazetecilik Bölümü tarafından düzenlenen gezide, İletişim Fakültesi öğrencileri, 12 Haziran 2025 Perşembe günü Cumhuriyet Gazetesi'ni ziyaret etti. Cumhuriyet.com.tr Dış Haberler Müdürü Mustafa Birol Güger rehberliğinde gerçekleşen ziyaret kapsamında öğrenciler, gazetenin arşiv müzesinden haber merkezine ve televizyon stüdyosuna kadar birçok alanı gezerek haber üretim süreci hakkında detaylı bilgi aldı.

TEDX 11 YIL SONRA İSTANBUL AYDIN ÜNİVERSİTESİ'NDE

İstanbul Aydın Üniversitesi, 11 yıl aradan sonra TEDx etkinliğine yeniden ev sahipliği yaptı. Endüstri Mühendisliği Kulübü'nün öncülüğünde uzun süren hazırlıkların ardından, 28 Mayıs 2025 tarihinde "Potansiyeli Uyandırmak" temasıyla düzenlenen etkinlik, katılımcılara ilham dolu bir gün yaşattı.

GAZETECİLİK KULÜBÜ'NDEN 'FACT-CHECING' EĞİTİM ATÖLYESİ

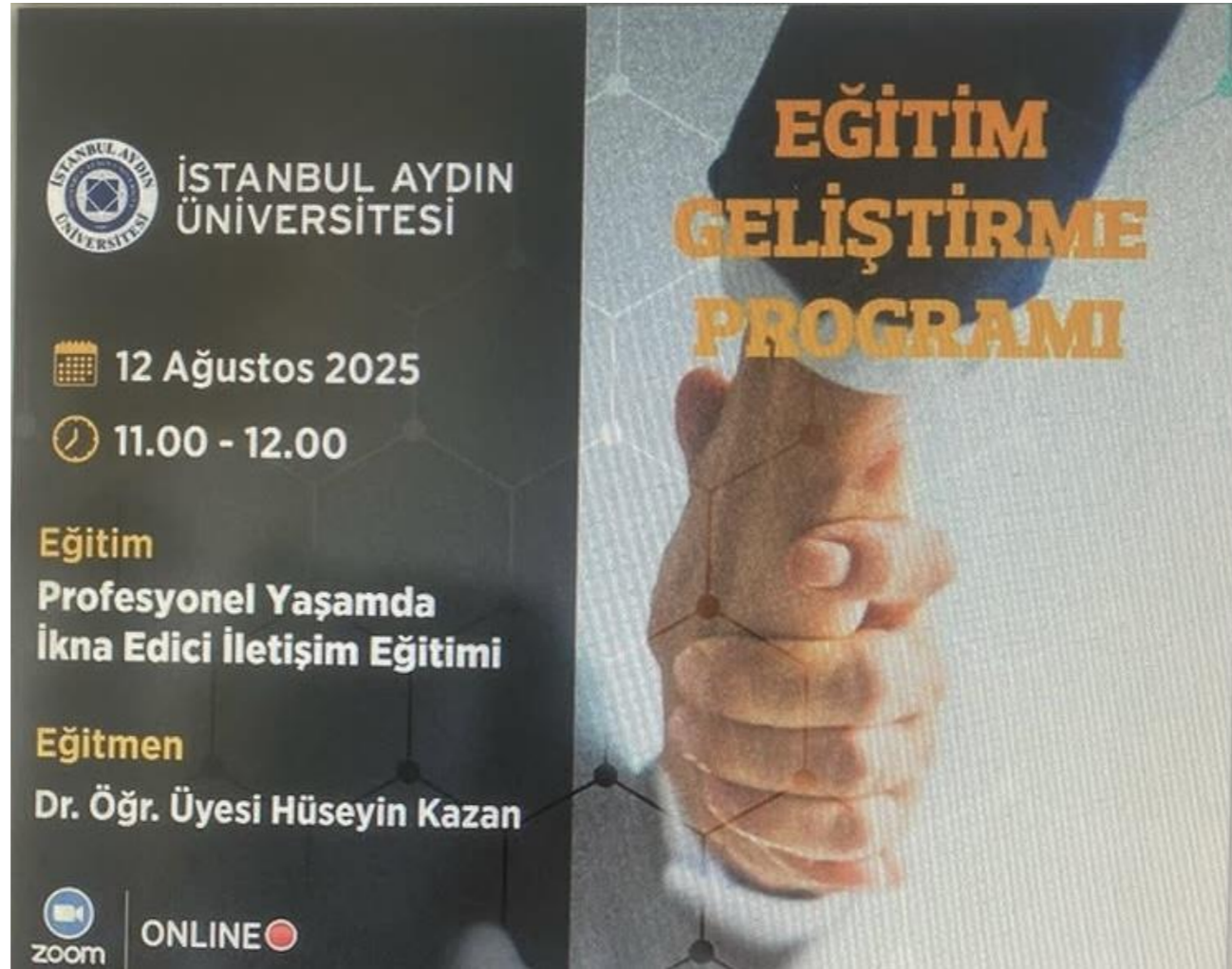
İstanbul Aydın Üniversitesi Gazetecilik Kulübü, 4. Dönem ÜNİDES Projesi kapsamında "Dezenformasyonu Önleme Stratejileri" başlığı altında Fact-Checking Eğitim Atölyesi düzenledi.



Our faculty member from the Faculty of Communication, Asst. Prof. Dr. Hüseyin Kazan, provided a 2-day “Effective Communication Techniques” training to the employees of Fethiye Municipality as part of corporate development initiatives.



Our Faculty of Communication faculty member, Asst. Prof. Dr. Hüseyin Kazan, provided “Effective Communication Techniques” training to Dentaydın employees.



Our Faculty of Communication faculty member, Asst. Prof. Dr. Hüseyin Kazan, conducted a training on "Persuasive Communication in Professional Life" for our staff, organized by the Human Resources Department.



Our faculty member from the Faculty of Communication, Asst. Prof. Dr. Hüseyin Kazan, gave a seminar on Motivation Techniques to the teachers of Çağdaş Bilimler College, organized by the Department of Press Promotion and Public Relations.



Our faculty member from the Communication Faculty, Asst. Prof. Dr. Hüseyin Kazan, provided analyses of body language during the Trump-Putin and Trump-European leaders meetings on TV100.



The responses to the question posed to the faculty members of the Communication Faculty, “If you could teach only one course, which course would you teach?” were compiled. The prepared videos were published on the official social media accounts.



FACULTY OF COMMUNICATION

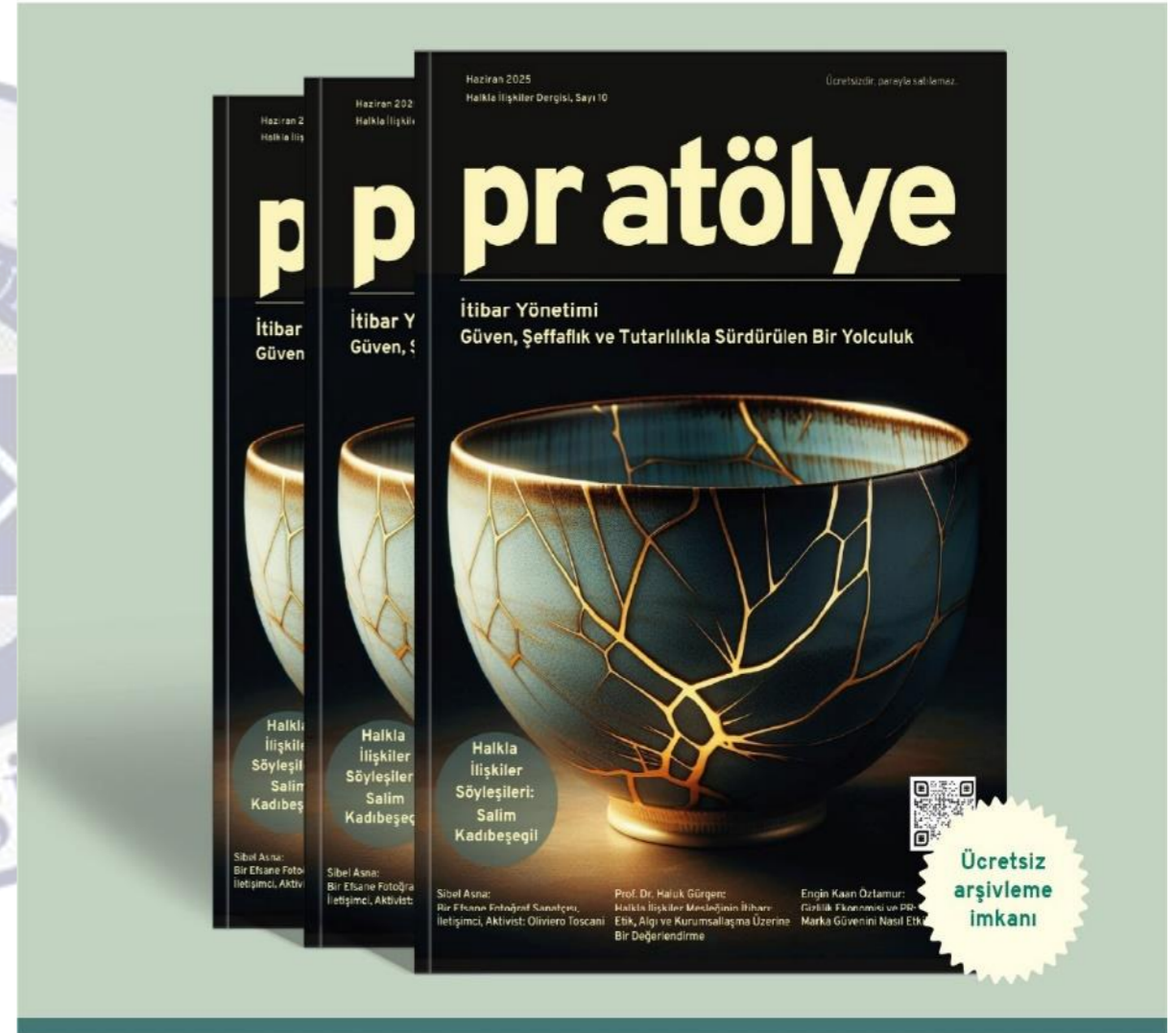
34

In our Department of New Media and Communication, Research Assistants Beste ÇIRAK KABAKÇI and Sefa HARRANOĞLU have started their positions, and in our Department of Visual Communication Design, Research Assistant Edip Cevahir MOROĞLU has also begun his duties. We wish them success in their new roles.



PR Atölye, one of Turkey's leading publications in the public relations sector, has celebrated its 5th anniversary and reached its 10th issue. The magazine, which has been shaping the industry for five years with the dedicated efforts of Public Relations and Promotion faculty members, has turned its focus to reputation management in its 10th issue.

pr atölye DERGİSİ 10. SAYISI ÇIKTI!



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Okumak için: pratolye.com/dergi



FACULTY OF COMMUNICATION

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The fourth guest of the 'Brand Compass,' moderated by Assoc. Prof. Dr. Gonca Yıldırım Öge, Head of the Advertising Department at Istanbul Aydın University, was Sinem İnce, Lecturer at Bahçeşehir University and Member of the Board of the Brand Council.

YENİ BÖLÜM YAYINDA!

marka pusulası

4. Bölüm: Sinem İnce ile Görsel Anlatının Gücü

Marka Pusulası

Marka Pusulası

İAÜ Reklam Atölyesi

Yeni bölüm ve daha fazlası için kodu taramayı unutmayın!



FACULTY OF HEALTH SCIENCES

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Şeyma AL, a PhD student in the Department of Audiology, under the supervision of Dr. Merve MERAL ÇETİNKAYA, has been awarded support from TÜBİTAK 1002 – Rapid Support Program as part of her thesis work. We congratulate our project advisor, Dr. Merve MERAL ÇETİNKAYA, and our student, Şeyma AL, and wish them continued success in their work.



TEBRİKLER

TÜBİTAK- ARDEB 1002 -A Hızlı Destek Programı

Proje Adı: Koklear İmplant Kullanan Çocuklarda Konuşma İşleme Süreçlerinin fNIRS Tabanlı Hemodinamik Yanıtlarının Analizi

Proje Yürütücüsü

Proje Danışmanları

Dr. Öğr. Üyesi Merve MERAL ÇETİNKAYA

Doç. Dr. Çağdaş GÜDÜCÜ

Proje Araştırmacısı

Dr. Öğr. Üyesi Emre ESKİCİOĞLU



PhD(c) Seyma AL



FACULTY OF MEDICINE

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The project titled “Development of Next-Generation Vaccines Using Virus-Like Particles (VLPs) Based on Hepatitis B Core Antigen (HBcAg) Carried by Exosomes Derived from Adipose Tissue in Parkinson’s Disease”, with Dr. Aysun Özbay Önal, Faculty Member at Istanbul Aydın University, Department of Histology and Embryology, as the principal investigator, has been awarded funding under the TÜSEB 2025-B-01 call.

İSTANBUL AYDIN ÜNİVERSİTESİ | 22 Yıl

TÜSEB PROJESİ

Proje Başlığı: Parkinson Hastalığında Adipoz Dokudan Elde Edilen Ekzozomlarla Taşınan Hepatit B Çekirdek Antijeni (HBcAg) Tabanlı Virüs Benzeri Partiküllerin (VLP'ler) ile Yeni Nesil Aşı Geliştirilmesi

Proje No: 48220
Çağrı Kodu: 2025-B-01-TÜSEB
Çağrı Dönemi: 2025-B-01
Başlangıç Tarihi: 14.04.2025

Dr. Öğr. Üyesi, Aysun ÖZBAY ÖNAL
HİSTOLOJİ VE EMBRİYOLOJİ ANABİLİM DALI



At Delightful Summer School 2025, which hosted 172 students from 35 different countries, the English-language program of İAÜ Faculty of Medicine participated with the courses “Genetics and Medical Biotechnology” (Dr. Arta ARMANI) and “Neuroscience” (Prof. Dr. Hakkı DALÇIK & Prof. Dr. Turan Onur BEYAZIT). Within the scope of the event, students had the opportunity not only to acquire theoretical knowledge from expert academics in their fields but also to enhance their skills and knowledge through hands-on laboratory experiences.



FACULTY OF MEDICINE

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MicrobiologyOpen Open Access

REVIEW OPEN ACCESS

Biotechnological Preparedness for Novel Pandemics: Diagnostic Performance of IVDS Against SARS-CoV-2

Murat Kavruk¹ | Meltem Ercan¹ | Barış Ata Borsa² | Veli Cengiz Özalp³ | Frank J. Hernandez^{2,4,5}

¹Department of Medical Biology and Genetics, Faculty of Medicine, Department of Molecular Biology and Genetics, Faculty of Arts & Sciences, Istanbul Aydın University, İstanbul, Türkiye | ²Department of Physics, Chemistry and Biology (IFM), Linköping University, Linköping, Sweden | ³Department of Medical Biology, Faculty of Medicine, Atılım University, Ankara, Türkiye | ⁴Department of Bioengineering and Biosciences, TECNUN, Navarra University, Spain | ⁵IKERBASQUE, Basque Foundation for Science, Bilbao, Spain

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Received: 9 January 2025 | **Revised:** 26 May 2025 | **Accepted:** 24 July 2025

Funding: This study was supported by the Diputacion Foral de Gipuzkoa (EB-EP-BI-2024-0280), the Swedish Research Council (VR-2024-016121), and HORIZON-MSCA-2022-COFUND-101126600-SmartBRAIN3.

Keywords: COVID | disease X | IVD kits | public health | SARS-CoV-2

The study titled "Biotechnological Preparedness for Novel Pandemics: Diagnostic Performance of IVDS Against SARS-CoV-2" by Dr. Murat Kavruk and Dr. Meltem Ercan, faculty members of the Department of Medical Biology at IAÜ Faculty of Medicine, has been published in the journal Microbiology Open (WOS Q2).



FACULTY OF MEDICINE

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Cerrahpaşa Med J 2025; 49: 1-7

ORIGINAL ARTICLE

Analyzing Methotrexate's Impact on Oxidative Stress Indicators in Breast Cancer Cells

Sinem Durmuş¹, Dilek Düzgün Ergün², Remise Gelişgen³, Nihal Bakır⁴, Hafize Uzun⁵

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The study titled 'Analyzing Methotrexate's Impact on Oxidative Stress Indicators in Breast Cancer Cells' by Assoc. Prof. Dr. Dilek Düzgün Ergün, a faculty member of the Department of Biophysics at IAÜ Faculty of Medicine, was published in the Cerrahpaşa Medical Journal, indexed in the TR Dizin.



FACULTY OF MEDICINE

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The study titled "Enhanced Doxorubicin Cytotoxicity on Breast Cancer Spheroids by Aptamer Targeted Co-Delivery with Hyaluronidase," authored by Dr. Murat Kavruk, a faculty member of the Department of Medical Biology at İAÜ Faculty of Medicine, was published in the WOS Q1 journal *Advanced Therapeutics*.

RESEARCH ARTICLE

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Enhanced Doxorubicin Cytotoxicity on Breast Cancer Spheroids by Aptamer Targeted Co-Delivery with Hyaluronidase

*Murat Kavruk, Dide Su Demirel, Farzaneh Bonyadi, Buket Çakmak Güner, Ali Doğan Dursun, Cekdar Vakifahmetoglu, Bilge Güvenç Tuna, Uğur Şahin, and Veli Cengiz Ozalp**

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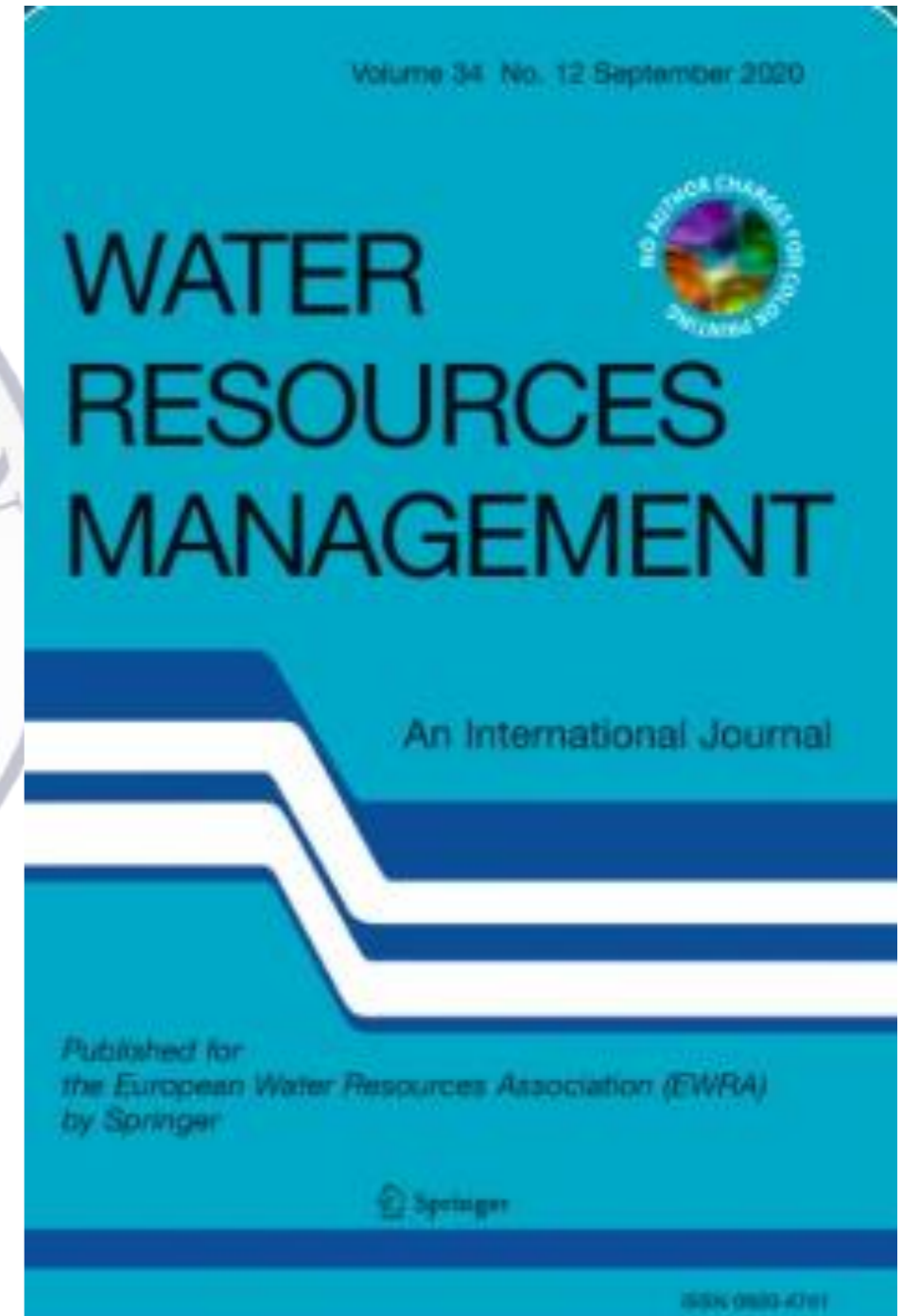
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FACULTY OF MEDICINE

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The article titled 'AH-GCAN-LSTM: Adaptive Hybrid-Graph Convolution Attention Network with LSTM and Genetic Optimization for Hydrological Time Series Forecasting' by Dr. Sina APAK has been published by Springer Nature, which is included in the SCI Q1 category.





FACULTY OF MEDICINE

The article titled “Multi Stage Code Translation Using LLMs for Enhanced Program Transformation” by Prof. Dr. Ali Okatan was published in the International Research Journal of Modernization in Engineering Technology and Science.



*International Research Journal Of Modernization
in Engineering Technology and Science*

(Peer-Reviewed, Open Access, Fully Refereed International Journal)

e-ISSN: 2582-5208

Ref: IRJMETS/Certificate/Volume 07/Issue 08/70800024317

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Date: 13/08/2025

Certificate of Publication

This is to certify that author “Prof. Dr. Ali OKATAN” with paper ID “IRJMETS70800024317” has published a paper entitled “MULTI STAGE CODE TRANSLATION USING LLMS FOR ENHANCED PROGRAM TRANSFORMATION” in International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 07, Issue 08, August 2025

A. Demirel

Editor in Chief



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FACULTY OF MEDICINE

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The study by Dr. Burak Oğul, titled “Dynamics and Expressions of Solutions of Nonlinear Difference Equations $x_{(n+1)}=(x_{(n-3)} x_{(n-6)}) / (\pm x_{(n-2)} \pm x_{(n-2)} x_{(n-3)} x_{(n-6)})$ ”, was published in the Scopus-indexed Sakarya Journal of Science (Volume: 29, Issue: 4, pp. 441-449, 2025).



Sakarya University
Journal of Science





As part of the Erasmus Training Activity, Lecturer Ayten Nahide KORKMAZ initiated international collaborations. She held meetings with the Dean of the Faculty of Economics at Tetova University, Prof. Dr. Birkene AZARI, as well as with Prof. Dr. Merale Fetahi VEHAPI and Associate Prof. Dr. Ali MAKSUDI.



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