



# APPLICATION AND RESEARCH CENTERS COORDINATION UNIT

## MONTHLY BULLETIN

July 2026 | Issue : 9



## Message from the Coordinator

Our Coordination Unit continues to strengthen the education, research, and societal contribution activities of the Application and Research Centers in line with our University's Strategic Plan. Through this bulletin, we aim to increase our national and international engagement by making the value-creating work of our Centers more visible. We extend our sincere thanks to all our Centers and stakeholders for their qualified contributions and collaborative support.



**“UYGARMER - K in ACTION”**



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# CONTENTS

**3-5** PROJECTS

---

**6-8** SCIENTIFIC  
ACTIVITIES

---

**9** COMMUNITY  
CONTRIBUTION  
ACTIVITIES

---

**10** TRAININGS FROM  
CONTINUING EDUCATION

---

**11-13** INTERNATIONAL  
MEETINGS

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EST. 2008

## PROJECT APPROVAL FROM CSYBUAM

### *Environment, Urbanization and Earth Sciences Application and Research Center*

#### Project Name

Documentation of Unregistered Historic Houses in Mahmudiye Neighborhood, Mesudiye District of Ordu Province within the Context of Rural Architectural Heritage

#### Location

Ordu, Mesudiye

#### Project Director

Asst. Prof. İbrahim EROL

A new research project conducted by the Environmental, Urban Planning and Earth Sciences Application and Research Center aims to scientifically document the rural architectural heritage of Mahmudiye Neighborhood, located in the Mesudiye district of Ordu Province. Led by Asst. Prof. İbrahim Erol, Member of the Center's Executive Board, with Assoc. Prof. Semih Göksel Yıldırım serving as the researcher, the project will comprehensively record the location, architectural characteristics, construction materials, building techniques, and state of preservation of traditional houses through extensive fieldwork. The inventory to be prepared through photographic documentation, architectural measurements, plan-section-elevation drawings, and typological analyses is expected to make significant contributions to the preservation of the region's rural architectural heritage, future heritage registration initiatives, and the promotion of local architectural knowledge.



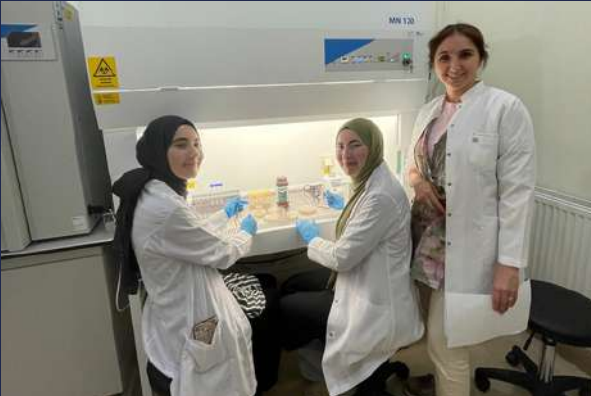
## YBMUAM SUCCESSFULLY COMPLETED TÜBİTAK 2209-B PROJECT

### *Life Sciences and Biomedical Engineering Application and Research Center*



### **TÜBİTAK 2209-B Project Successfully Completed**

The TÜBİTAK 2209-B project, supervised by Asst. Prof. Serap Yeşilkır Baydar, Director of the Life Sciences and Biomedical Engineering Application and Research Center at Istanbul Gelişim University, and carried out in collaboration with Microhobist Biotechnology Company, has been successfully completed. Conducted by students from the Faculty of Pharmacy at Istanbul University, the projects investigated the L-Proline and OH-Proline contents of the MHOne product using biochemical methods and evaluated the antibacterial activity of the biostimulant product against *Pectobacterium carotovorum*. Experimental studies were performed in the TEKMER Laboratories of Istanbul Gelişim University. The project results were presented to researchers at the Life Sciences and Biomedical Engineering Center during a seminar, and the projects made significant contributions to university-industry collaboration and student research.





## INTERNATIONAL PROJECT APPLICATION FROM SSUAM

### *Social Responsibility Application and Research Center*

Members of the Social Responsibility Application and Research Center (SSUAM) project team have submitted a project proposal under the 2027 Project Grants Call for Civil Society Organizations launched by the Consulate General of Sweden in Istanbul. The program aims to strengthen cooperation between Sweden and Türkiye and support civil society by prioritizing democratic development, human rights, the rule of law, gender equality, and the fight against disinformation. The proposal was prepared in line with Istanbul Gelisim University's objectives of strengthening international collaborations, expanding social responsibility activities, and bringing academic expertise together with civil society-oriented projects.

## 2027 Proje Hibeleri Başvuru Çağrısı



Embassy of Sweden

10 Haz 2026

İsveç İstanbul Başkonsolosluğu, sivil toplum kuruluşlarını 2027 yılı için proje teklifleri sunmaya davet etmektedir.



## SCIENTIFIC ACTIVITIES

### *New Generation Entrepreneurship and Innovation Application and Research Center*

#### Article

An article titled **“An Interval Type-2 Fuzzy Analytic Hierarchy Process Approach for Selection of Renewable Energy Source”** co-authored by Prof. Tarık Çakar, Director of the New Generation Entrepreneurship and Innovation Application and Research Center, has been published in the Journal of Engineering Sciences of Niğde Ömer Halisdemir University. The study employed the Interval Type-2 Fuzzy Analytic Hierarchy Process method to conduct comprehensive multi-criteria decision-making evaluations for the selection of renewable energy sources.

**An Interval Type-2 Fuzzy Analytic Hierarchy Process approach for selection of renewable energy source**

Yenilenebilir enerji kaynağı seçiminde Aralık Tip-2 Bulanık Analitik Hiyerarşi Süreci yaklaşımı

Tarık Çakar<sup>1,\*</sup>, Fatma Betül Bağlan<sup>2</sup>, Umut Hulusi İnan<sup>3</sup>, Rana Edgüver<sup>4</sup>

<sup>1,4</sup> Istanbul Gelisim University, Industrial Engineering Department, 34000, Istanbul, Türkiye

<sup>2</sup> Istanbul Gelisim University, New Generation Entrepreneurship and Innovation Application and Research Center, 34000, Istanbul, Türkiye

<sup>3</sup> Istanbul Esenyurt University, Industrial Engineering Department, 34000, Istanbul, Türkiye

<sup>5</sup> Niğde Ömer Halisdemir University, Information Systems and Technologies Department, 51240, Niğde, Türkiye

#### Article

The article titled **“Mechanical, Morphological, Corrosion, and Thermally Activated Dimensional Recovery Behavior of Epoxy Composites Reinforced with Kraft Lignin/Fe–Mn–Si Alloy Hybrid Fillers”**, for which Asst. Prof. Mert Yıldırım, a member of the New Generation Entrepreneurship and Innovation Application and Research Center, served as the corresponding author, has been published in Polymers (Impact Factor: 5.8; CiteScore: 11.0), an SCIE-indexed Q1 journal.

**Mechanical, Morphological, Corrosion, and Thermally Activated Dimensional Recovery Behavior of Epoxy Composites Reinforced with Kraft Lignin/Fe–Mn–Si Alloy Hybrid Fillers**

by Semih Tanfer İleri<sup>1</sup> and Mert Yıldırım<sup>2,3,\*</sup>

<sup>1</sup> Department of Aeronautical Engineering, Institute of Graduate Studies, Istanbul Gelisim University, 34310 Istanbul, Türkiye

<sup>2</sup> Department of Industrial Engineering, Faculty of Engineering and Architecture, Istanbul Gelisim University, 34310 Istanbul, Türkiye

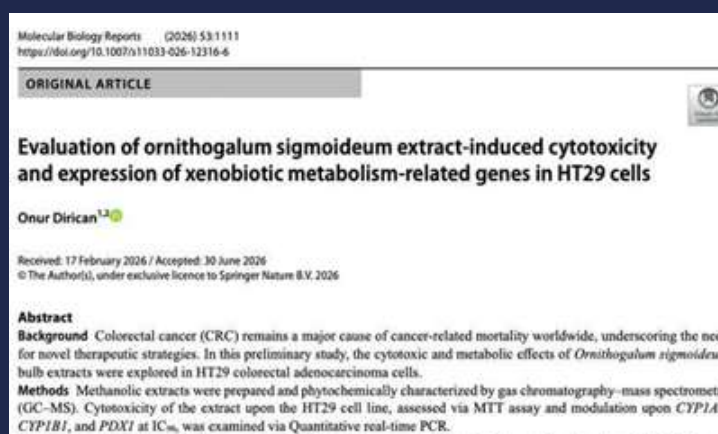
<sup>3</sup> New Generation Entrepreneurship and Innovation Application and Research Center, Istanbul Gelisim University, 34310 Istanbul, Türkiye

## SCIENTIFIC ACTIVITIES

### *Life Sciences and Biomedical Engineering Application and Research Center*

#### Article

The first research article prepared within the scope of the IGU Scientific Research Project (BAP), led by Dr. Onur Dirican, Deputy Director of the Life Sciences and Biomedical Engineering Application and Research Center, titled **“Evaluation of *Ornithogalum sigmoideum* Extract-Induced Cytotoxicity and Expression of Xenobiotic Metabolism-Related Genes in HT29 Cells”**, has been published in *Molecular Biology Reports*, a Q2 journal indexed in the SCI-E.



#### Article

#### **Apoptotic Gene Expression in HepG2 Cells Treated with *Ornithogalum sigmoideum* and *Smilax excelsa* Compounds**

by Onur Dirican<sup>1,2</sup>

<sup>1</sup> Department of Pathology Laboratory Techniques, Vocational School of Health Services, Istanbul Gelisim University, 34310 Istanbul, Türkiye

<sup>2</sup> Life Sciences and Biomedical Engineering Application and Research Centre, Istanbul Gelisim University, 34310 Istanbul, Türkiye

*Int. J. Mol. Sci.* **2026**, *27*(14), 6435; <https://doi.org/10.3390/ijms27146435>

Submission received: 9 June 2026 / Revised: 10 July 2026 / Accepted: 17 July 2026 / Published: 20 July 2026

The research article titled **“Apoptotic Gene Expression in HepG2 Cells Treated with *Ornithogalum sigmoideum* and *Smilax excelsa* Compounds”** prepared within the scope of the IGU Scientific Research Project (BAP) led by Dr. Onur Dirican, Deputy Director of the Life Sciences and Biomedical Engineering Application and Research Center, has been published in the *International Journal of Molecular Sciences*, a Q1 journal indexed in the SCI-E.

## SCIENTIFIC ACTIVITIES

### *Economic Policies Application and Research Center*

#### *Participation in a TV Program*

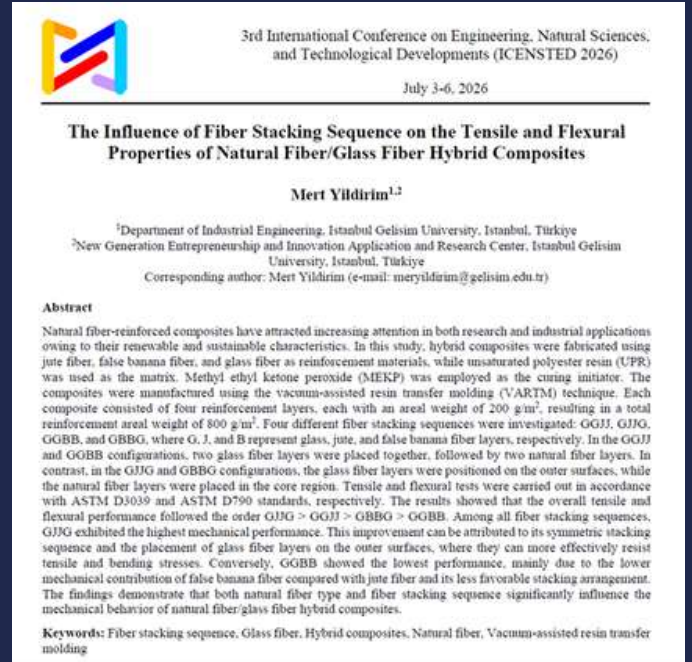


Assoc. Prof. Ebru Gül Yılmaz, Director of the Economics Policies Application and Research Center, appeared as a guest on the Global Outlook program broadcast on EKOTÜRK TV. During the program, current developments in the national and global economy, macroeconomic indicators, financial markets, and the effects of monetary and fiscal policies on the Turkish economy were evaluated from an academic and analytical perspective.

### *New Generation Entrepreneurship and Innovation Application and Research Center*

#### *Paper*

Asst. Prof. Mert Yıldırım, a member of the New Generation Entrepreneurship and Innovation Application and Research Center, participated in the 3rd International Conference on Engineering, Natural Sciences, and Technological Developments (ICENSTED 2026), where he delivered an oral presentation titled “The Influence of Fiber Stacking Sequence on the Tensile and Flexural Properties of Natural Fiber/Glass Fiber Hybrid Composites”.



## COMMUNITY CONTRIBUTION ACTIVITIES

### *Social Responsibility Application and Research Center*

#### Seminar

Asst. Prof. Raheb Mohammadi Ghanbarlou, Vice Director of the Social Responsibility Application and Research Center at Istanbul Gelisim University, participated in an online event organized by the Yordam Education Research and Development Foundation, where he held a discussion on hegemonic masculinity with Assoc. Prof. Aykut Sigin. The event concluded following a question and answer session.

**Hegemonik Erkeklik ve Ötesi**  
R. W. Connell'in Erkeklik Kuramı

|                                                                                                                                                                                            |                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>KONUŞMACI</b><br>Doç. Dr. Aykut Sigin<br>Akdeniz Üniversitesi,<br>Sosyoloji Bölümü Öğretim Üyesi | <br><b>MODERATÖR</b><br>Dr. Öğr. Üyesi<br>Raheb Mohammadi Ghanbarlou<br>Istanbul Gelisim Ü. Sosyoloji Böl.<br>Öğr. Üyesi ve SBUAM Müdür Yard. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                     |                                   |                                    |
|-------------------------------------|-----------------------------------|------------------------------------|
| <b>TARİH</b><br>7 Temmuz 2026, Salı | <b>SAAT</b><br>20:00 – 21:00 (TR) | <b>PLATFORM</b><br>Microsoft Teams |
|-------------------------------------|-----------------------------------|------------------------------------|

Katılım ücretsizdir.



**KATILIM İÇİN KAREKODU OKUTUN**  
Bordaramız için: info@yordamakademi.org

### *Public Opinion and Social Researches Application and Research Center*

#### Seminar

The online seminar titled **“From Data to Interpretation: How Well Can Social Media Reflect Public Opinion Activities?”**, organized by the Public Opinion and Social Researches Application and Research Center, was held with the participation of faculty members and students. During the seminar, delivered by Asst. Prof. Bahri Mert Yılmaz, the role of social media data in public opinion research, its potential applications in scientific studies, and the impact of algorithms on polarization were evaluated in light of current theoretical and empirical findings. The event concluded with a question and answer session during which participants' questions were addressed.

 **İSTANBUL GELİŞİM ÜNİVERSİTESİ**  
İKTİSADİ İDARİ VE SOSYAL BİLİMLER FAKÜLTESİ

**ÇEVİRİMLİ SEMİNER**

**VERİDEN YORUMA: SOSYAL MEDYA KAMUOYU EĞİLİMLERİNİ NE KADAR İYİ YANSITABİLİR?**

Siyaset Bilimi ve Kamu Yönetimi Bölümü  
Kamuyu ve Toplum Araştırmaları Uygulama ve Araştırma Merkezi

**KONUŞMACI**  
Dr. Öğr. Üyesi **BAHRİ MERT DEMİR**

**24 Temmuz Cuma**  
**11:00 – 12:00**  
**Çevrimiçi (Google Meet)**

**KATILIM BAĞLANTISI**  
meet.google.com/hzg-etid-idu  
QR kodu okuyup katılabilirsiniz



 **İktisadi, İdari ve Sosyal Bilimler**  
 **SKSDB**  
Sağlık Kültür ve  
 **KİK**  
Kurumsal İletişim

## TRAININGS FROM CONTINUING EDUCATION

### *Continuing Education*

#### *Application and Research Center*

#### *Create Your Own Brand Through Artificial Intelligence and Storytelling Training*



The “Design Your Future: Create Your Own Brand Through Artificial Intelligence and Storytelling” training, organized through the collaboration of the Continuing Education Application and Research Center (IGUSEM) and the Directorate of Public Relations and Promotion, was held online on July 28, 2026. During the training delivered by Asst. Prof. İlknur Gümüş, participants gained knowledge on personal branding, digital identity management, AI-assisted content creation, effective prompt writing, and professional digital content development, while also having the opportunity to enhance their personal brand stories through practical exercises.

#### *The Power of Networking and Building Trust at University Training*

The “The Power of Networking and Building Trust at University” training, organized through the collaboration of IGUSEM and the Directorate of Public Relations and Promotion, was held online on July 29, 2026. During the training delivered by Dr. Merve Boyacı Yıldırım, participants gained knowledge on professional networking, trust-based communication, effective networking strategies, and building strong connections on digital platforms. Supported by practical scenarios, the training contributed to enhancing participants' communication skills and establishing sustainable professional relationships to support their careers.

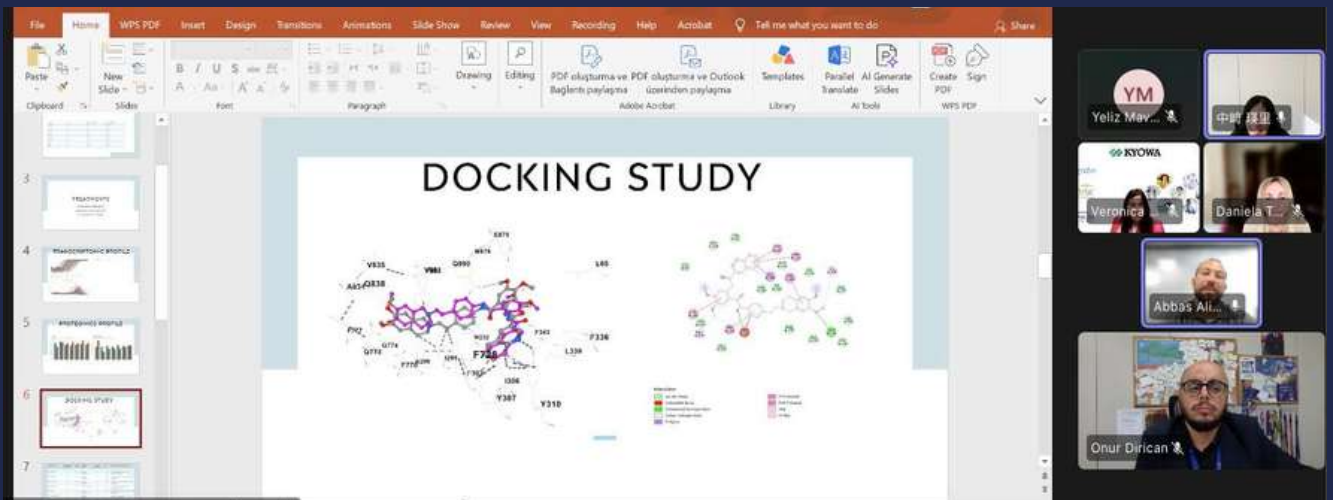


## INTERNATIONAL MEETINGS

### *Life Sciences and Biomedical Engineering Application and Research Center*

#### *Interim Report Presented for Japan-Supported Neuroscience Project*

The interim report for the international project titled **“Molecular Treatment Against Neurodegenerative Diseases and CNS Cancers–Neuroscience”** conducted within the Life Sciences and Biomedical Engineering Application and Research Center in collaboration with Japan-based Kyowa Corp., was successfully presented. The latest findings of the study, carried out by Project Coordinator Asst. Prof. Onur Dirican, Vice Director of Life Sciences and Biomedical Engineering Application and Research Center, and Researcher Asst. Prof. Abbas Ali Husseini, member of Executive Board of Life Sciences and Biomedical Engineering Application and Research Center, were presented to the international scientific review committee. The committee concluded that the project had achieved the potential for high-impact scientific publications, produced high-quality outcomes beyond its original objectives, and demonstrated exemplary success in terms of budget efficiency.



## INTERNATIONAL MEETINGS

### *Cooperation Meeting with Tbilisi State University*

An online international cooperation meeting was held with Ivane Javakhishvili Tbilisi State University in Georgia. The meeting was attended by Assoc. Prof. Ahmet Sapmaz, Coordinator of the Application and Research Centers; Asst. Prof. Burcu Savaş Çelik, Vice Director of the Sustainable Environment and Community Studies Application and Research Center; Assoc. Prof. Serkan Gönen, Director of the Cyber Security Application and Research Center, and Vice Director Res. Asst. Mehmet Ali Barışkan; Asst. Prof. Serap Yeşilkır Baydar, Director of the Life Sciences and Biomedical Engineering Application and Research Center and representative of BAP-K; and Vice Director Asst. Prof. Onur Dirican.

During the meeting, the parties exchanged information on the fields of activity and ongoing academic studies of their application and research centers and evaluated potential joint scientific studies, collaborative projects, and academic partnerships between the centers. Possible projects under the TÜBİTAK 2555 Georgia Bilateral Cooperation Call and European Union funding programs were also discussed. As an initial step, artificial intelligence and cyber security were identified as the primary areas of cooperation between the two universities, and both sides agreed to meet again in the future to further expand joint fields of collaboration.



## INTERNATIONAL MEETINGS

### *Cooperation Meeting with Wayne State University Faculty Members*



The Political and Social Research Application and Research Center (IGUSAM) held a meeting to evaluate potential academic collaborations with Prof. Kevin Deegan Krause and Prof. Brad Roth from Wayne State University (USA), who visited Istanbul Gelisim University on July 9, 2026, within the scope of the Erasmus+ Teaching Mobility Program. The meeting was attended by Assoc. Prof. Ahmet Sapmaz, UYGARMER Coordinator and IGUSAM Researcher; Asst. Prof. Emre Gündoğdu, Vice Director of IGUSAM; and Asst. Prof. Sibel Zengin, Member of the IGUSAM Advisory Board and Vice Coordinator of BAP. During the meeting, opportunities for joint research and academic collaboration were discussed, and it was agreed that information regarding the areas of expertise of the department's faculty members would be shared mutually.





# APPLICATION AND RESEARCH CENTERS COORDINATION UNIT

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## MASTHEAD

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### Design/Layout/Content

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