



# APPLICATION AND RESEARCH CENTERS COORDINATION UNIT

## MONTHLY BULLETIN

January 2026 | Issue : 3



## 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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## International Cooperation from YBMUAM

The project led by Asst. Prof. Onur Dirican Vice Director of the Life Sciences and Biomedical Engineering Application and Research Center (YBMUAM), with Asst. Prof. Abbass Ali Husseini serving as a researcher, aims to enhance the translocation potential of pharmaceutical active ingredients within the microenvironment of the blood-brain barrier and has been awarded support by the Japan-based international biotechnology organization Kyowa Hakko Bio.

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



Within the scope of the study, the structures that prevent the active agents used in the treatment of brain and central nervous system tumors and neurodegenerative diseases from crossing the blood-brain barrier will be examined at the molecular level. By identifying these structures, the project aims to expand future treatment and intervention opportunities targeting conservative tissues. Based on the project outcomes, the scientific publications and conference papers to be produced are expected to have a high level of impact.



## SCIENTIFIC ACTIVITIES

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

#### Project

The project titled “**Design, Modeling, and Prototype Development of a Four-Axis Additive Manufacturing Robotic Arm**”, led by Asst. Prof. Mert YILDIRIM, a researcher at YNGIUAM, has been deemed eligible for support by the Scientific Research Projects (BAP) Commission of Istanbul Gelişim University. The project aims to develop a four-axis, high-precision, and modular robotic arm for use in additive manufacturing processes. Within this scope, it seeks to design, model, and produce a prototype of a domestic system featuring interchangeable end effectors and adaptability to various industrial applications, addressing the need of SMEs for low-cost and flexible robotic systems.



### *Istanbul Studies Application and Research Center*

#### Article

The article titled “**Adaptive Reuse of Cultural Heritage Buildings in İskenderun: Evaluation of the Potential of the Former British Consulate Building**” (in Turkish) authored by Assoc. Prof. İlke Ciritci, Director of the Istanbul Studies Application and Research Center, has been published in the Scopus-indexed Journal of Ottoman Heritage Studies. The study evaluates the re-functionalization potential of the Former British Consulate Building, one of the significant cultural assets within İskenderun’s historical fabric, through an analysis of its architectural features, historical development, collective memory value, and current condition.

İlke CIRITCI

Istanbul Gelişim Üniversitesi, Mimarlık Bölümü /Türkiye, (Müdür), İCUAM, İstanbul Çalışmaları Uygulama ve Araştırma Merkezi, iciritci@gelisim.edu.tr, <https://orcid.org/0000-0002-1492-0727>

**İskenderun Kültürel Miras Yapılarının Yeniden  
İşlevlendirilmesi Eski İngiliz Konsolosluk Binası Potansiyelinin  
Değerlendirilmesi**

## SCIENTIFIC ACTIVITIES

### *Economic Policies Application and Research Center*

#### Patent Application

The sub-index calculations of KODİDEKS – SME Digital Transformation Index / h-KODİDEKS have been completed, and a patent application has been submitted to the Turkish Patent and Trademark Office.



### *Economic Policies Application and Research Center*

#### “Balance of Payments Report for October 2025”

The Balance of Payments Report for October 2025 was prepared by Asst. Prof. Şükran Kahveci, Deputy Director of IPUAM, and has been published on the official website of the Economics Policies Application and Research Center.



### *Istanbul Studies Application and Research Center*

#### Article

The article titled “Comparison of Ventilation Strategies in Traditional and Contemporary Kirkuk Dwellings” in Turkish co-authored by Assoc. Prof. İlke Ciritci, Director of the Istanbul Studies Application and Research Center, has been published in ART/icle: Journal of Art and Design. The study provides evaluations aimed at sustainable architectural design by comparing the climate-responsive ventilation solutions of traditional Kirkuk houses with those of modern residential systems.

Geleneksel Kerkük Evleri ile Modern Kerkük Evlerinin Havalandırma Sistemlerinin Karşılaştırılması

Enji ANWER\*, İlke CİRİTÇİ\*\*, Suphi SAATÇİ\*\*\*

## SCIENTIFIC ACTIVITIES

### Political and Social Researches Application and Research Center

#### Book Chapter

The book chapter titled “**The Concept of Hard Power in Russian Foreign Policy and Nuclear Weapons**” (in Turkish), co-authored by Assoc. Prof. Ahmet Sapmaz, a researcher at the Political and Social Research Application and Research Center, has been published in the book “**The Return of Russian Imperial Policy and Its Geopolitical Codes: History, Identity, Ideology, Doctrines**”, released by Akçağ Publishing.



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

#### Paper

Asst. Prof. Mert YILDIRIM attended the 5th International Materials Engineering and Advanced Manufacturing Technologies Congress (IMEAMTC'26) and presented an oral presentation entitled “**A Comprehensive Review of Advanced and Conventional Manufacturing Techniques for Fiber-Reinforced Polymer Matrix Composites**”. In his presentation, he comprehensively discussed the conventional and advanced manufacturing techniques used in the production of fiber-reinforced polymer matrix composites, addressing their advantages and disadvantages, annual production volumes, and industrial application areas.

### RUS DIŞ POLİTİKASINDA SERT GÜÇ ANLAYIŞI VE NÜKLEER SİLAHLAR

Şafak OĞUZ<sup>1</sup> • Ahmet SAPMAZ<sup>2</sup>

- <sup>1</sup> Prof. Dr. Kapatokya Üniversitesi İnsan ve Toplum Bilimleri Fakültesi Öğretim Üyesi, e-posta: safak.oguz@kapadokya.edu.tr, Nevşehir/TÜRKİYE, ORCID: 0000-0001-6758-175X.
- <sup>2</sup> Doç. Dr. İstanbul Gelişim Üniversitesi İktisadi, İdari ve Sosyal Bilimler Fakültesi Siyasal ve Sosyal Araştırmalar Uygulama ve Araştırma Merkezi, e-posta: asapmaz@gelisim.edu.tr, ahmet\_sapmaz@yahoo.com, İstanbul/TÜRKİYE, ORCID: 0000-0003-0858-9000.



## COMMUNITY CONTRIBUTION ACTIVITIES

### *Sustainable Environment and Community Studies Application and Research Center*

#### **“What Are the Expectations for Sustainability and Energy in 2026?”**

Assoc. Prof. Başak Özarıslan, Director of the Sustainable Environment and Community Studies Application and Research Center, was a guest on the Agro Economy program broadcast on AGRO TV on January 7, 2026. During the program, sustainability policies and projections in the field of energy for 2026 were discussed from an academic perspective, and current developments were evaluated.



### *Sustainable Environment and Community Studies Application and Research Center*

#### **“Climate Carbon's Journey to Net Zero”**

Assoc. Prof. Başak Özarıslan, Director of the Sustainable Environment and Community Studies Application and Research Center, was a guest on the Climate, Carbon, and the Net Zero Journey program broadcast on Endüstri Radyo. During the program, the decisive role of critical minerals in the energy transition in line with global net-zero targets was discussed.



## TRAINING FROM CONTINUING EDUCATION CENTER

### “Basic Training and Practical Certification Program on Autonomous Systems”

A total of 12 participants actively took part in the training program, which was organized for the second time. Conducted under the instruction of Lecturer Ali Çetinkaya, the program covered topics including artificial intelligence, robotics, cybersecurity, industrial automation, and information technology law. With contributions from expert academics in the field, participants had the opportunity to gain a comprehensive understanding of the operating principles of autonomous systems through both theoretical and practical examples.

### *Continuing Education Application and Research Center*



### “Basic Expert Witness Training”

Istanbul Gelişim University, as an authorized institution, organized the Basic Expert Witness Training 13 times during the September 2025–January 2026 period through its Continuing Education Center. The 24-hour programs, attended by a total of 216 participants, were successfully completed.

### “AI-Supported Research, Analytical Methods & Academic Writing Certificate Program”

The AI-Supported Research, Analytical Methods & Academic Writing Certificate Program, which focuses on the ethical and responsible use of artificial intelligence in academic studies, will be offered in English. The 40-hour program will be conducted online between February 7 and April 4, 2026, and will be delivered by Asst. Prof. Zeinab Hassanzadeh.



You can refer to the **SEM Bulletin** to view the completed, ongoing, and upcoming trainings of the Continuing Education Application and Research Center.

## VISITS AND MEETINGS



### *Strategic Visit from the Economics Policies Application and Research Center*

Assoc. Prof. Ebru Gül Yılmaz, Director of IPUAM, visited SME Banking Director Kağan Pürentepe, SME Banking Planning and Sustainability Manager Funda Kıymaz, SME Banking Sales Manager Evren Azray, and SME Banking Digitalization Tribe Leader Engin Deniz, during which the “Kodideks” initiative was introduced.

### *Meeting with the Director of IGUSEM and the Vice Rector*

On January 15, 2025, the Continuing Education Application and Research Center held an evaluation meeting on collaboration areas, training activities, and institutional processes for 2026, chaired by Vice Rector for Research and Development Prof. Necmettin Maraşlı. The meeting was attended by SEM Director Asst. Prof. Tayfun Timuray, UYGARMER Coordinator Assoc. Prof. Ahmet Sapmaz, and Deputy Coordinator Asst. Prof. Filiz Sivaslıoğlu.



## VISITS AND MEETINGS

### *Technical Visit from the Automotive Technologies Application and Research Center*

A technical visit was organized to TEKNOPARK Istanbul with the participation of Prof. H. Alper Özyiğit, Director of the Automotive Technologies Application and Research Center; OTUAM Board Members Assoc. Prof. Haydar İzzettin Kepekçi and Asst. Prof. Safar Pourabbas, OTUAM researcher Res. Asst. Ufuk Ateşoğlu; and students from the Department of Mechatronics Engineering. During the visit, presentations on new technological projects and studies were delivered by TEKNOPARK staff, followed by mutual discussions.



### *Application and Research Centers Coordination Unit*

An orientation meeting was held on January 27, 2026, with Prof. Yusuf Can, who was appointed as a member of the UYGARMER-K Coordination Board. During the meeting, the structure, functioning, coordination activities, and reporting processes of UYGARMER-K were discussed. UYGARMER Coordinator Assoc. Prof. Ahmet Sapmaz provided information on the Center's activities and the Coordination Board Evaluation Reports.



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## MASTHEAD

### Coordinator

Assoc. Prof. Ahmet SAPMAZ

### Vice Coordinator

Asst. Prof. Filiz SİVASLIOĞLU

### Design/Layout/Content

Gamzenur GÜRSOY



[uygarmerk@gelisim.edu.tr](mailto:uygarmerk@gelisim.edu.tr)



0 212 422 70 00 / 7489



[uygarmerk.gelisim.edu.tr](http://uygarmerk.gelisim.edu.tr)