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## ENGINEERING FACULTY

## e - Newsletter

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#### **4. CONFERENCE ON INSTITUTIONAL ARCHITECTURE AND TOOLS OF THE TECHNOLOGY REVOLUTION**

Dr. Abdulkader ALWER participated as the conference's opening speaker titled "Institutional Architecture and Tools of the Fourth Technology Revolution". Dr. ALWER presented "Digital Transformation in the Arab World: Realities and Challenges from the Perspective of Governments and Public Enterprises" at this conference.





## 26. OSTIV CONFERENCE

Prof. Dr. Zafer ASLAN was the session chair of the Atmospheric Phenomena section at the 26th OSTIV Conference held in Uvalde, Texas, USA, from 19 to 23 August.



## XXXVI OSTIV CONGRESS

19 - 23 August 2024  
Uvalde, TX, USA

## TUBITAK PROJECT ACCEPTANCE

The 1002-A project titled 'Optimization of the Symbiotic Yogurt Production Process and Development of Its Digital Twin Using Artificial Intelligence Algorithms,' in which Dr. Meral YILDIRIM YALÇIN participated as a researcher, has been accepted. We congratulate her.





## MUDEK ACCREDITATION

The Department of Food Engineering has been accredited by MÜDEK and awarded the EUR-ACE label, effective from September 24, 2024, until September 30, 2027.



## CONVERSATION

Assoc. Prof. Dr. Hasan Volkan ORAL participated in the conversation on nature-based solutions and circularity on Agro TV.





## ELECTION TO THE ASSOCIATION BOARD

Assoc. Prof. Dr. Hasan Volkan ORAL has been elected to the board of the "Nature-based Solution Proposals, Circularity and Sustainability Practices" association, which is the first of its kind in Türkiye.



## SEMINAR

Assoc. Prof. Dr. Hasan Volkan ORAL gave a seminar on 'GRI Sustainability Standards' to business professionals from various disciplines on August 21, 2024.





## PROJECT MEETING

Assoc. Prof. Dr. Hasan Volkan ORAL held a workshop preparation meeting regarding the TUBITAK COST project.



## STRAIN GAUGE COURSE

The course on 'Experimental-Mechanical Strain Gauge Method' was completed by Prof. Dr. Tuncer TOPRAK with the participation of our Faculty Members. Prof. Dr. TOPRAK shared both practical experience and theoretical knowledge. After the highly productive 8-hour course, our Faculty Members expressed their satisfaction and thanked him.





### LATEST ACADEMIC PUBLICATIONS

#### **Prof. Dr. Abdulhadi BAYKAL**

Almessiere, M. A., et al. "Comparing magnetic characteristics of  $\text{CoSe}_3\text{xFe}_{2-4\text{x}}\text{O}_4$  ( $\text{x} \leq 0.10$ ) spinel ferrite nanoparticles synthesized via Sol-Gel and hydrothermal approaches." *Nano-Structures & Nano-Objects* 38 (2024): 101196.

Slimani, Y., Ünal, B., Baykal, A. et al. Investigation of electrical and dielectric properties of  $\text{BaTiO}_3$ -based composite systems incorporated with various amounts of  $\text{Co}_0.8\text{Mn}_0.1\text{Ni}_0.1\text{Fe}_1.9\text{Ce}_0.1\text{O}_4$ . *J Mater Sci: Mater Electron* 35, 927 (2024). <https://doi.org/10.1007/s10854-024-12690-6>

#### **Prof. Dr. Beşir ŞAHİN**

S Tumse, M Bilgili, A Yildirim, B Sahin (2024), Comparative Analysis of Global Onshore and Offshore Wind Energy Characteristics and Potentials, *Sustainability* 16 (15), 6614

#### **Prof. Dr. Hasan Alpay HEPERKAN – Res. Assist. Büşra Selenay ÖNAL**

Önal, B. S., Heperkan, H. A., Yeni Enerji Teknolojilerinin Binalarda Kullanımının Enerji Performansına Etkileri, *Tesisat Mühendisliği Dergisi*, Sayı: 203, sf. 53-68, Temmuz-Ağustos 2024

#### **Assoc. Prof. Dr. Hüseyin Çağan KILINÇ- Assist. Prof. Dr. Mahmud Esad ERGİN**

Kilinc, H.C., Apak, S., Ozkan, F. et al. Multimodal Fusion of Optimized GRU–LSTM with Self-Attention Layer for Hydrological Time Series Forecasting. *Water Resour Manage* (2024).

#### **Assist. Prof. Dr. Dilşad AKGÜMÜŞ GÖK**

MEMİŞ M., AKGÜMÜŞ GÖK D. (2024). Production of Filaments used in Additive Manufacturing, *International Texas Congress on Advanced Scientific Research, Houston–Texas*.



**Assist. Prof. Dr. Mahdi TABATABAEI MALAZI- Assist. Prof. Dr. Kenan KAYA**

Tabatabaei Malazi, M., Kaya, K., Çolak, A.B. et al. CFD and ANN analyses for the evaluation of the heat transfer characteristics of a rectangular microchannel heat sink with various cylindrical pin-fins. *Heat Mass Transfer* (2024). <https://doi.org/10.1007/s00231-024-03496-7>

**Assist. Prof. Dr. Necip Gökhan KASAPOĞLU**

A. A. AHMED and N. G. KASAPOĞLU, “Design and Performance Analysis of 2x2 and 3 3 Phased Array Patch Antennas in C Band,” *Journal of Aeronautics and Space Technologies*, vol. 17, no. 2, pp. 46–61, Jul. 2024.

**Res. Assist. Melisa ÇALIŞKAN DEMİR**

Sagiroglu, A., Demir, M. C., & Taskin, A. (2024). Assessing Collaboration Performance of NGOs by a Decomposed Fuzzy Approach Utilizing AHP and COPRAS Methods: Turkiye Case. *International Journal of Disaster Risk Reduction*, 104744, [doi.org/10.1016/j.ijdr.2024.104744](https://doi.org/10.1016/j.ijdr.2024.104744).