

# Istanbul Aydın University



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## ENGINEERING FACULTY

## e - Newsletter

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## TEKNOFEST 2024

At the Teknofest 2024 "Fighting UAV" final competition, the NOVA UAV Team, advised by Research Assistant Atakan ÖZTUNCER from the Mechanical Engineering (English) Department, won the "Best Team Spirit" award.





## LIAISE COST Action

On September 17, 2024, the first face-to-face meeting of WG2 (Industrial Symbiosis Business Models) under the LIAISE COST Action was successfully held at Istanbul Aydın University. Associate Professor Dr. Hasan Volkan ORAL participated in the meeting. (<https://www.liaise-action.eu/wg2-face-to-face-meeting-in-turkiye-advancing-industrial-symbiosis-business-model/>)



## ASSISTANT PROFESSOR DOCTOR TITLE

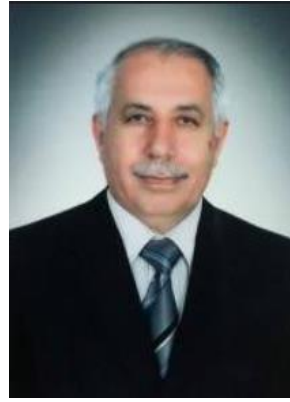
Research Assistant Büşra Selanay ÖNAL earned the title of Assistant Professor. We congratulate her.





## CAREER IMPACT RANKING

We congratulate our academicians from the Faculty of Engineering, Prof. Dr. Abdulhadi BAYKAL, Prof. Dr. Ali SINAĞ, Prof. Dr. Beşir ŞAHİN, and Assist. Prof. Dr. Süleyman ŞİMŞEK, for being ranked in the Career-Long Impact rankings announced this year. Additionally, Assist. Prof. Dr. Süleyman ŞİMŞEK has successfully made it into the impact rankings for 2021, 2022, and 2023. We extend our congratulations to our academicians.



İSTANBUL AYDIN ÜNİVERSİTESİ 20 Yıl 100\*

### Akademisyenlerimiz Dünyanın En Etkili Bilim İnsanları Listesinde!

Stanford Üniversitesi tarafından her yıl ilan edilen “Dünyanın En Etkili Bilim İnsanları” listesinde yer alan Mühendislik Fakültemizden Dr. Öğretim Üyesi **Süleyman ŞİMŞEK**'i tebrik eder, başarılarının devamını dileriz.

Dr. Öğretim Üyesi  
**Süleyman ŞİMŞEK**

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### LATEST ACADEMIC PUBLICATIONS

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

Slimani, Y., Baykal, A., Almessiere, M. A., Güngüneş, H., Klygach, D. S., Trukhanov, S. V., & Trukhanov, A. V. (2024). Magnetic and electromagnetic properties of hard-soft  $\text{Sr}_{0.5}\text{Ba}_{0.5}\text{Sn}_x\text{Fe}_{12-x}\text{O}_{19}/\text{CoFe}_2\text{O}_4$  nanocomposite. *Inorganic Chemistry Communications*, 168, 112825.

Ahmed, S., Gondal, M. A., Khan, J. A., Almessiere, M. A., Baykal, A., Ali, A., & Alzahrani, A. S. (2024). Tuning the composition of manganese cobaltite spinel with tungsten for enhanced energy storage performance. *Nano-Structures & Nano-Objects*, 39, 101279.

#### **Prof. Dr. Ali SINAĞ**

Selva Bilge, Yusuf Osman Donar, Ali Sınağ "First voltammetric determination of karbutylate via pencil graphite, glassy carbon, and boron-doped diamond electrodes in soil sample". *Journal of The Electrochemical Society*. (2024)

#### **Prof. Dr. Beşir ŞAHİN**

A İlhan, S Tumse, M Bilgili and B Sahin (2024), Machine learning approaches in predicting the wind power output and turbine rotational speed in a wind farm, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, Volume 46 (1), 12084–1211

M Shihab, H Hamzah, M Alhasan, B Sahin, (2024) Impacts of finned rotating cylinder on hydrothermal flow of hybrid nanofluids in a vented cavity based on dynamic mesh approach, *International Journal of Heat and Fluid Flow*, 109, 109542

#### **Prof. Dr. Murtaza FARSADI**

Aslan, H. F., & Farsadi, M. (2024). Power Quality Analysis of a Hybrid MATLAB/Simulink Using a DSTATCOM and Comparison with a Real Plant. *International Journal of Renewable Energy Research (IJRER)*, 14(3), 503-515

#### **Assist. Prof. Dr. Elif ÇAKIR**

Production of fat-reduced mayonnaise enriched with whey protein and tropical fruit flours, 7. International Food Agriculture and Veterinary Sciences Congress August 20-21,2024, proceedings book, 15.09.2024, Adana ,Turkey



**Assist. Prof. Dr. Kaveh DEGHANIAN**

Nature-based Solutions and Circularity Perspectives in the Built Environment: Multidisciplinary Approaches,  
Editor

**Assist. Prof. Dr. Mahmoud M S ZIADA**

Ziada, M. The Effect of Nano-TiO<sub>2</sub> and Nano-Al<sub>2</sub>O<sub>3</sub> on Mechanical, Microstructure Properties and High-Temperature Resistance of Geopolymer Mortars. Arab J Sci Eng (2024). <https://doi.org/10.1007/s13369-024-09570-w>

**Res. Assist. Melisa ÇALIŞKAN DEMİR**

Caliskan Demir, M., Sagiroglu, A., & Taskin, A. (2024). Decomposed Fuzzy AHP Integrated Quality Function Deployment Methodology for Disaster Process in Turkiye. In International Conference on Intelligent and Fuzzy Systems (pp. 715-724). Cham: Springer Nature Switzerland.