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ENGINEERING FACULTY

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PROJECT APPROVAL

The project titled "Discover the Know-How of Construction Professionals," led by Prof. Dr. Gökhan Arslan, a faculty member in the Department of Civil Engineering at Istanbul Aydın University, is supported by the Turkish National Agency within the framework of the Erasmus+ Vocational Education and Training Strategic Partnerships program. The project is coordinated by Eskişehir Technical University, with the participation of Zonguldak Bülent Ecevit University, Vilnius College of Technologies and Design from Lithuania, Warsaw University of Technology and Polish Association of Building Managers from Poland, as well as TAV Construction and Çelik Construction as project partners. The main objective of the project is to transfer practical/tacit/up-to-date technical knowledge required by the construction sector to civil engineering students and inexperienced graduates through a remote education platform developed within the project. The project aims to address the practical/tacit/up-to-date knowledge gaps of civil engineering students and recent graduates



ACQUISITION OF THE TITLE OF ASSOCIATE PROFESSOR

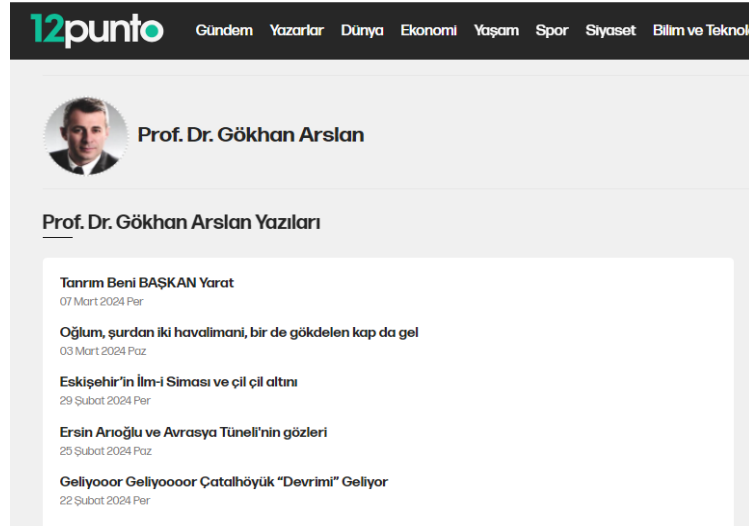
Dr. Hasan Volkan ORAL, from the Department of Civil Engineering, has achieved the title of Associate Professor. We congratulate our esteemed colleague on this accomplishment.





OPINION COLUMN

The column articles of Prof. Dr. Gökhan ARSLAN, a faculty member in the Department of Civil Engineering, are published every Thursday and Sunday on the news website 12punto.com.tr. (<https://12punto.com.tr/yazarlar/gokhan-arслан#>)



MODEL AIRCRAFT

The Space and Rocket Club, established by Aerospace Engineering students, has developed a model aircraft under the guidance of Res. Asst. Atakan ÖZTUNCER.





LATEST ACADEMIC PUBLICATIONS

Prof. Dr. Abdulhadi BAYKAL

Se-Doped Magnetic Co–Ni Spinel Ferrite Nanoparticles as Electrochemical Catalysts for Hydrogen Evolution
Mohamed Jaffer Sadiq Mohamed, Serkan Caliskan, Mohammed Ashraf Gondal, Munirah Abdullah Almessiere, Abdulhadi Baykal, Yassine Slimani, Khaled Abdelsabour Elsayed, Muhammad Hassan, Ismail Abdullah Auwal, Abdul Zeeshan Khan, Asif Ali Tahir, and Anurag Roy ACS Applied Nano Materials 2023 6 (9), 7330-7341

Prof. Dr. Beşir ŞAHİN

Gharahgezlou, M., Masoudian, M., Kordi E., Sahin, B. and Azimi, A., (2024) Free flow over and under cylindrical weir-gates with a flow extender, ISH Journal of Hydraulic Engineering, <https://doi.org/10.1080/09715010.2024.2302805>

Assist. Prof. Dr. Arif ULU

Arif Ulu, Muzaffer Metin & Aytac Arikoglu (2024) Vibration analysis of double elastomer layered superstructures with extended locally continuous support model, Mechanics Based Design of Structures and Machines, Taylor & Francis

Assist. Prof. Dr. Mahdi TABATABAEİ MALAZI & Res. Assist. Cihan SEZER

Investigation of the thermal performance of a spiral fin-and-tube heat exchanger by numerical methods, Mahdi Tabatabaei Malazi, Sina Apak, Cihan Sezer, Hüseyin Can Başoğlu, Ahmet Selim Dalkılıç, Numerical Heat Transfer, Part B: Fundamentals, Taylor & Francis

Assist. Prof. Dr. Mahmoud ZIADA

Mahmoud ZIADA, Harun TANYILDIZI, Mucteba UYSAL, The influence of carbon nanotube on underwater geopolymer paste based on metakaolin and slag, Construction and Building Materials, Volume 414, 2024, 135047, ISSN 0950-0618,

Mahmoud Ziada, Harun Tanyildizi, Maksut Seloglu, Ahmet Coskun, Bacteria-based crack healing of 3D printed PVA fiber reinforced geopolymer mortars, Journal of Building Engineering, Volume 86, 2024,



Assist. Prof. Dr. Meral YILDIRIM YALÇIN

Zein Alabidein, Z., Ceyhan, T., Yildirim Yalçin, M. (2024). Microencapsulation of Mandarin Peel Extract Using Different Methods, Ases International Food, Agriculture And Veterinary Congress, February 17-18, Konya, Turkiye

Assist. Prof. Dr. Roa'a Mohammedqasem & Assist. Prof. Dr. Hayder Mohammedqasim

Alyasin, E.I.; Ata, O.; Mohammedqasim, H.; Mohammedqasem, R. Enhancing Self-Care Prediction in Children with Impairments: A Novel Framework for Addressing Imbalance and High Dimensionality. Appl. Sci. 2024, 14, 356

Res. Assist. Tuğçe CEYHAN

Ozkan, G., Ceyhan, T., Çatalkaya, G., Rajan, L., Ullah, H., Daglia, M., & Capanoglu, E. (2024). Encapsulated phenolic compounds: clinical efficacy of a novel delivery method. *Phytochemistry Reviews*, 1-39. <https://doi.org/10.1007/s11101-023-09909-5>

Kian-Pour, N., Ceyhan, T., Ozmen, D., & Toker, O.S. (2024) Effect of ultrasound-ethanol immersion, microwave and starch-blanching pretreatments on drying kinetics, rehydration, and quality properties of beetroot chips. *International Journal of Food Engineering*, 20(2), 85-99. <https://doi.org/10.1515/ijfe-2023-0237>

Zein Alabidein, Z., Ceyhan, T., Yildirim Yalçin, M. (2024). Microencapsulation of Mandarin Peel Extract Using Different Methods, Ases International Food, Agriculture And Veterinary Congress, February 17-18, Konya, Turkiye