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ENGINEERING FACULTY

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The Workshop on Social Responsibility Activities in the Context of Environment and Climate Change

A workshop on "Environment and Climate Change in the Context of Social Responsibility Activities" was held on May 13th in collaboration with the Center for Environment and Human Health (ÇEVSAM).



Membership in the Sustainability in Geotechnical Engineering Committee

Dr. Kaveh DEHGHANIAN has been elected as a full member of the Sustainability in Geotechnical Engineering Committee of both the Soil Mechanics and Geotechnical Engineering Association (ZMGM) and the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE).





SEMINAR

At Boğaziçi University, on May 13th, Associate Professor Dr. Hasan Volkan Oral gave a seminar on a Tubitak COST project related to "Nature-based Solutions."

MEETING

Associate Professor Dr. Hasan Volkan Oral virtually attended the general meeting of Working Group 1 of the COST Nexus project on May 31st.

ACCEPTANCE OF COST ACTION

Associate Professor Dr. Hasan Volkan Oral's proposal titled "Large-scale Interdisciplinary Alliance on Nature-based Solutions and Health: Indicators" under the COST Action mobility program has been accepted.





PATENT

The patent of Dr. Melda Yücel, one of our Civil Engineering faculty members, has been accepted.

Invention Name: MULTI-PURPOSE ASSISTANT STICK BASED ON IMAGE RECOGNITION FOR THE VISUALLY IMPAIRED

Invention Summary: The fundamental working principle of the invention is to accurately distinguish meal options using visual recognition technology, perceive and identify information such as text, price, time, and warnings, convey caller information when integrated with phones, and, on the other hand, define the person's location with the integrated GPS component and notify the route to proceed. All these processes are conveyed to the individual in real-time by converting the processed images and other information into audio.



LATEST ACADEMIC PUBLICATIONS

Prof. Dr. Abdulhadi BAYKAL

MOLECULAR IMPACTS OF NANOPARTICLES ON PLANTS AND ALGAE, ISBN: 978-0-323-95721-2, Elsevier Academic Press Publishing, 472 pages, Editors: H. Tombulođlu, G. Tombulođlu, EBTESAM A. AL-SUHAIMI, Abdulhadi BAYKAL, KHALID REHMAN HAKEEM

Nanomaterials: Properties and characterization 1 Ayse Demir Korkmaz and Abdulhadi BAYKAL MOLECULAR IMPACTS OF NANOPARTICLES ON PLANTS AND ALGAE, ISBN: 978-0-323-95721-2, Elsevier Academic Press Publishing, 472 pages Editors: H. Tombulođlu, G. Tombulođlu, EBTESAM A. AL-SUHAIMI, Abdulhadi BAYKAL, KHALID REHMAN HAKEEM

Future perspectives of nanoparticles in plants and algae Gulshitab Aalam, Sameer Ahmad, Md Amir, Abdulhadi Baykal and S. Wazed Ali MOLECULAR IMPACTS OF NANOPARTICLES ON PLANTS AND ALGAE, ISBN: 978-0-323-95721-2, Elsevier Academic Press Publishing, 472 pages Editors: H. Tombulođlu, G. Tombulođlu, EBTESAM A. AL-SUHAIMI, Abdulhadi BAYKAL, KHALID REHMAN HAKEEM

Prof. Dr. Murtaza FARSADI

Fault Detection and Classification in Ring Power System With DG Penetration Using Hybrid CNN-LSTM, IEEE Xplore.

Short Circuit Analysis and Management of Microgrid System by Using Statcom, Engineering and Technology, Journal e-ISSN: 2456-3358 Volume 09 Issue 04 April-2024

Assoc. Prof. Dr. Hasan Volkan ORAL

Hasan Saygın, Hasan Volkan Oral, Sustainable Management of Mining Waste and Tailings, CRC Press

Hasan Saygın, Hasan Volkan Oral, The Palgrave Encyclopedia of Sustainable Resources and Ecosystem Resilience, Sustainable Resources and Ecosystem Resilience in Turkey: Case Study Examples



Assoc. Prof. Dr. Hüseyin Çağan KILINÇ

Kilinc, H.C., Haznedar, B., Katipoğlu, O.M. et al. A comparative study of daily streamflow forecasting using firefly, artificial bee colony, and genetic algorithm-based artificial neural network. *Acta Geophys.* (2024). <https://doi.org/10.1007/s11600-024-01362-y>

Assist. Prof. Dr. Abbas UĞURENVER

The Evaluation Of Wireless Power Transfer Based On Electric Vehicle Applications, SİU 2024

Assist. Prof. Dr. Mohamed Gamal Omar AL HAGRI

Al-Hagri, M.G., Döndüren, M.S., Yılmaz, T. et al. Low-velocity impact behavior of two-way SFRC slabs strengthened with steel plate. *Arch. Civ. Mech. Eng.* 24, 144 (2024). <https://doi.org/10.1007/s43452-024-00961-2>