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ENGINEERING FACULTY

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TECHNICAL VISIT

On May 9, 2023, students from the Department of Food Engineering, along with Prof. Dr. Z. Dilek HEPERKAN and Research Assistant Tuğçe CEYHAN, organized a technical tour to ALTINMARKA Cocoa-Coffee-Chocolate Factories..



ALUMNI REUNION

On Saturday, June 10th, the "2nd Annual Food Engineering Alumni Reunion" took place with the participation of Prof. Dr. Z. Dilek HEPERKAN, Assist. Prof. Dr. Meral YILDIRIM YALÇIN, Research Assistant Tuğçe CEYHAN, Research Assistant H. Sena OLCAY, and our graduate students. The event aimed to strengthen relationships with alumni, conduct necessary surveys, and promote increased interaction among our graduates in the industry.





CONFERENCE

Assist. Prof. Dr. Necip Gökhan KASAPOGLU, chaired the session titled "Optical Systems and Applications-I" at the 10th International Recent Advances in Air and Space Technologies (RAST2023) conference.



Under the TUSAŞ Lift Up Industry-focused Undergraduate Final Year Projects, a team consisting of Onur OZAN, Gizem KAYA, Melisa DOĞAN, and Gizem TARHAN presented a verbal presentation titled "Performance Comparison of Deblurring Techniques for Optical Satellite Imagery Using MTF" at the 10th International Recent Advances in Air and Space Technologies (RAST2023) conference. The presentation included the preliminary results of the project and was conducted under the supervision of Assist. Prof. Dr. Necip Gökhan KASAPOGLU.





The research paper titled "Alternative Methods Based on Subtraction and Linearization of the Noise Fields for Wide-Beam SAR Image Denoising" by Halit NAZLI, a graduate student of the Electrical and Electronics Engineering (English) department, and the research paper titled "Comparison of Feature Extraction Methods for Automated Target Recognition by Reducing Speckle Noise in SAR Data" by Hasna El HASNAOUY were presented as oral presentations at the 10th International Recent Advances in Air and Space Technologies (RAST2023) conference. Both papers were conducted under the supervision of Assist. Prof. Dr. Necip Gökhan KASAPOĞLU.





LATEST ACADEMIC PUBLICATIONS

1) Prof. Dr. Ersin ARSLAN

Yigit, Oktay, Turan Gurgenc, Burak Dikici, Mosab Kaseem, Carl Boehlert, and Ersin Arslan. 2023. "Surface Modification of Pure Mg for Enhanced Biocompatibility and Controlled Biodegradation: A Study on Graphene Oxide (GO)/Strontium Apatite (SrAp) Biocomposite Coatings" *Coatings* 13, no. 5: 890. <https://doi.org/10.3390/coatings13050890>

Çardaklı, İsmail Seçkin, Karadeniz, Şükran, Arslan, Ersin, Gök Akgümüş, Dilşad, Effect of MGZN2 addition on the sintering density, microstructure and hardness of aluminum alloys prepared by powder metallurgy method, *Sigma J Eng Nat Sci* 2023; 41(3): 538-544 DOI: 10.14744/sigma.2023.00060

2) Assist. Prof. Dr. Dilşad AKGÜMÜŞ GÖK

Çardaklı, İsmail Seçkin, Karadeniz, Şükran, Arslan, Ersin, Gök Akgümüş, Dilşad, Effect of MGZN2 addition on the sintering density, microstructure and hardness of aluminum alloys prepared by powder metallurgy method, *Sigma J Eng Nat Sci* 2023; 41(3): 538-544 DOI: 10.14744/sigma.2023.00060

3) Assist. Prof. Dr. Hakan KOMAN

Koman, Hakan, Strengthening of RC Frames With Infill Walls Using High Strength Lightweight Concrete Panels, *Journal of Sustainable Construction Materials and Technologies*, 2023; 8(2), DOI: 10.47481/jscmt.1256454

4) Assist. Prof. Dr. Hasan Volkan ORAL

Yılmaz, S., Oral, S. Süar, Oral, H.V., Saygin H., Citizenship, culture and coexistence: trends and dynamics in urban contexts: Generating a New Citizenship Model that Promotes Environmental Perception by Employing Strategic Communication Taylor & Francis Group, Book Chapter

5) Assist. Prof. Dr. Necip Gökhan KASAPOĞLU

Kasapoğlu, Necip Gökhan, Ozan, Onur, Kaya, Gizem, Doğan, Melisa, Tarhan, Gizem, Performance Comparison of Deblurring Techniques for Optical Satellite Imagery Using MTF, RAST2023

Kasapoğlu, Necip Gökhan, Nazlı, Halit, Alternative Methods Based on Subtraction and Linearization of the Noise Fields for Wide-Beam SAR Image Denoising, RAST2023

Kasapoğlu, Necip Gökhan, Hasnaouy, Hasna El, Comparison of Feature Extraction Methods for Automated Target Recognition by Reducing Speckle Noise in SAR Data, RAST2023