

2022-2023 Yılı

Bilimsel Faliyetler

1. Yayınlar

1.1. Makaleler

1.1.1. SCI/SCIE indeksinde taranan dergilerde

- Cenk Balçık, Çağatay Ünal. Evaluation of Corrosion Rate in X 65 Steel Pipes by Taguchi Method Based on Factors Originating from Soil and External Interactions, *Materials Science-Madziagotyra*, 29,3, 186-194, 2023.
- Yelda Ozdil Kacan & Faruk Elaldi, “A numerical model for analysis of layer thicknesses on ballistic resistance of a multilayer armor” *Journal of Reinforced Plastics and Composites*, Vol 42, No 3-4, Pages: 140-149, 2023 DOI: 10.1177/07316844221104144
- Pelin Alabay & Faruk Elaldi, “Low Velocity Impact Behavior of Composite Laminates Containing TiC and ZrC Nano-Particles in Resin System”, *Nano Hybrids and Composites*, Vol. 38, Pages: 25-35, 2023 DOI:10.4028/p-ul755z
- Beyza Naz Karaduman & Faruk Elaldi, “Effects of Repair Techniques and Scarf Angles on Mechanical Performance of Composite Materials”, *Journal of Reinforced Plastics and Composites*, Vol 42, No 9-10, Pages: 405-412, on line, September 2023 DOI: 10.1177/07316844221128318
- Özdemir, M., Rafighi, M., and Al Awadh, M., (2023) “Comparative evaluation of coated carbide and CBN inserts performance in dry hard turning of AISI 4140 steel using Taguchi-based grey relation analysis” *Coatings*, 13(6), No: 979. DOI: 10.3390/coatings13060979
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- N. Akcay*, V. F. Gremenok, Y. Ozen, K. P. Buskis, E. P. Zaretskaya and S. Ozcelik (2023). Investigation on photovoltaic performance of Cu₂SnS₃ thin film solar cells fabricated by RF-sputtered In₂S₃ buffer layer. *Journal of Alloys and Compounds* 969 (169874). DOI: 10.1016/j.jallcom.2023.169874
- Teoman Oktay Kutluca, Emre Koç & Tahir Yavuz, Synthetic jet application in the wind turbine concentrator design, *Energy Sources, part A: Recovery, Utilization and Environmental Effects*, Vol: 45/2, 5789-5805, DOI: 10.1080/15567036.2023.2208072,

- PAMUK, G., & KEMİKLİOĞLU, U. (2023). Radar Absorbing Capability and Fatigue Properties of Unidirectional Carbon Fabric-Reinforced Composites. *Fibers and Polymers*. Doi: 10.1007/s12221-023-00292-8
- SEYLAN AKIŞ, M., KEMİKLİOĞLU, E., & KEMİKLİOĞLU, U. (2023). Biological and mechanical evaluation of cinnamaldehyde doped liquid crystal-polymer composite membranes. *International Journal of Polymeric Materials and Polymeric Biomaterials*. Doi: 10.1080/00914037.2023.2182782
- KEMİKLİOĞLU, U. (2023). Mechanical and morphological investigation of laminated composite polymers depending on increasing vibration cycle. *International Journal of Polymer Analysis and Characterization* 10.1080/1023666X.2023.2283996

1.1.2. Diğer İndekslerde Taranan Dergilerde

- S. Alper Kale & Faruk Elaldi, “A Study on Endurance of Aluminum Road Wheels Produced by Flow Forming for Tracked Land Platforms” *Makina Tasarım ve İmalat dergisi*, Vol.xx, No xx, Pages:xx-xx, 2023, Yayın Sürecinde, Dergi Park
- Erdem, S., Özdemir, M., Rafeghi, M., and Yavuz, M., (2023) “Effect of cutting parameters on surface roughness and cutting forces in hard turning of 1.2367 hot work tool steel” *Journal of Polytechnic*, 26(3), pp. 1071-1077. DOI: 10.2339/politeknik.1059568
- N. Akcay*, B. Erenler, Y. Ozen, V. Gremenok, K. P. Buskis and S. Ozcelik, (2023). Effect of post-thermal annealing on the structural, morphological and optical properties of RF-sputtered In2S3 thin films. *Gazi University Journal of Science* 36 (3), 1-1. DOI: 10.35378/gujs.1075405
- Deniz Sarper Semerci & Tahir Yavuz, Vortex breakdown in discharge cone of the Francis Turbine, *Journal of Energy Systems*, Vol 7(2), 212-221, DOI: 10.30521/jes.1250532 31/06/2023
- Yusuf Tansel Ic, Ebru Saraloğlu Güler & Turgut Şaşmaz Minimisation of carbon emission regarding surface roughness and processing time during turning process of medium carbon steel and stainless steel materials. *Australian Journal of Mechanical Engineering*, 2023
- 1. DEMİR, S., & KEMİKLİOĞLU, U. (2023). Investigation of Mechanical Properties of Sandwich Composites with Notched Grooves on Lateral Surfaces Under Axial Loads. *International Journal of Pure and Applied Sciences*, 9(1), 127–134.

1.1.3. Kitaplar

Yayınlanmış bir kitap bölümü bulunmamaktadır.

1.1.4. Konferans Kitabında Yayınlanmış Bildiriler

1.1.4.1. Uluslararası

- Banu GÜNTÜRK “Hyperstonean Spaces” ICOMSS2023-2nd International e-Conference on Mathematical and Statistical Sciences, 05-07 June 2023, Konya
- Mehmet Tarku & Faruk Elaldi, “Experimental Ballistic Performance Analysis of Add-On Perforated Armor Plates”, 9th International Baskent Congress on Physics, Engineering and Applied Sciences, Ankara, Turkey, 20-23 may 2023
- Faruk Elaldi, “Low Velocity Bird-Like Impact Behaviour on Honeycomb Composite Structure” ICACM2023 / 6th. International Conference on Advanced Composite Materials, 23-25 August 2023, Tokyo/Japan
- Aslıhan ARIK, Gizem BAKIR, Alper Buğra ARSLAN, Hüseyin YAPICI,
- Alkan, Z., Arslan, A. B., Bakır, G., Yapıcı, H., Nükleer Atık Dönüşümü ve Yakıt Zenginleştirme için Tasarlanmış Geleneksel Bir Hızlandırıcı Sürücülü Sistemde Üç Boyutlu Olarak Termal Yoğunluğu Analizi, International Eurasia Congress on Scientific Research and Recent Trends 10, February 16-17 2023, Bakü, Azerbaycan.
- Bilim, S. E., Rafighi, M., and Dengiz, S. “Machinability of GG25 Gray Cast Iron Using Carbide Inserts” 4th International Conference on Recent Advances in Mechanical Engineering Research and Development (ICRAMERD-2023), Bhubaneswar, India (21/07/2023)

1.1.4.2. Ulusal

- Demirci, B. ve Dinler, N. (2023). Doğal havalandırmalı tünelde farklı boyutlardaki blokajın duman karakteristiği üzerindeki etkilerinin incelenmesi. Uluslararası Katılımlı 24. Isı Bilimi ve Tekniği Kongresi, Ankara, Türkiye.
- Çolak, L., Sarioğlu, G., Dolma, R., Ergin, M., Karakoç, İ. ve Demirci, B. (2023). Dik boylar gövde çapının ve serpantin tasarımının enerji verimliliğine etkisinin termoekonomik yönden sayısal ve deneysel analizi. Uluslararası Katılımlı 24. Isı Bilimi ve Tekniği Kongresi, Ankara, Türkiye.
- Tuanna Demir Atılğan**, Tahir Yavuz*, Olcay Nurtaç Deniz**, Hakan Tiftikçi**, Helicopter Blade Design and Optimization with b-Spline, Genetic Algorithm and Blade Elements Momentum Theory, ULIBTK’23 Uluslararası Katılımlı 23. Isı Bilimi ve Tekniği Kongresi, 06-08 Eylül 2023, ANKARA.

- Mihca Erdem Köklü**, Tahir Yavuz*, Rüzgâr Tünellerinde Farklı Hava Hızlarında Parçacık Görüntüleme ve Tohumlama Sistemi Tasarımı ve Performans Analizi, ULIBTK'23 Uluslararası Katılımlı 23. Isı Bilimi ve Tekniği Kongresi, 06-08 Eylül 2023, ANKARA.