

**MUŞ ALPARSLAN ÜNİVERSİTESİ MÜH-MİM. FAKÜLTESİ AKADEMİK  
PERSONELİ 2023 YILI AKADEMİK ÇALIŞMA RAPORU**

S. No.	Ad Soyadı	Science Citation Index (SCI) - Science Citation Index Expanded (SCI-E), Uluslararası indeksler ve TR dizinde taranan dergilerde yapılan çalışmalar
1	Zeydin PALA	<p><b>SCI-SCI Expanded:</b></p> <p><b>Pala, Z.</b> (2023). Comparative study on monthly natural gas vehicle fuel consumption and industrial consumption using multi-hybrid forecast models. <i>Energy</i>, 263, 125826. <a href="https://doi.org/10.1016/j.energy.2022.125826">https://doi.org/10.1016/j.energy.2022.125826</a>.</p> <p><b>Pala, Z., Atıcı, R., &amp; Yıldız, E.</b> (2023). Forecasting Future Monthly Patient Volume using Deep Learning and Statistical Models. <i>Wireless Personal Communications</i>, 130(2), 1479–1502. <a href="https://doi.org/10.1007/s11277-023-10341-3">https://doi.org/10.1007/s11277-023-10341-3</a></p> <p><b>TR Dizin:</b></p> <p><b>Tuğal, İ., &amp; Pala Z.</b> (2023). Centrality with Entropy in Hypergraphs Based on Similarity Measures. <i>Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi</i>, 14(3), 407-419.</p> <p><b>Uluslararası indeksler:</b></p> <p><b>Pala Z.</b> (2023). Prediction of Electricity Consumption in Türkiye with Time Series. <i>Muş Alparslan Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi</i>, 4(1), 32-40.</p>
2	Salih ÖZER	<p><b>SCI-SCI Expanded:</b></p> <p><b>Özer, S., Demir, U., &amp; Coskun, G.</b> (2023). Experimental investigation of the effects of coolant temperature in a turbocharged stratified injection (TSI) engine fuelled with gasoline and liquefied petroleum gas. <i>Fuel</i>, 343, 127988. <a href="https://doi.org/10.1016/j.fuel.2023.127988">https://doi.org/10.1016/j.fuel.2023.127988</a></p> <p><b>Ozer, S., Hacıyusufoglu, F., &amp; Vural, E.</b> (2023). Experimental investigation of the effect of the use of nanoparticle additional biodiesel on fuel consumption and exhaust emissions in tractor using a coated engine. <i>Thermal Science</i>, 27(4 Part B), 3189–3197.</p> <p><b>Özer, Salih., Demir, U., &amp; Koçyiğit, Serhat.</b> (2023). Effect of using borax decahydrate as nanomaterials additive diesel fuel on diesel engine performance and emissions. <i>Energy</i>, 266, 126412. <a href="https://doi.org/10.1016/j.energy.2022.126412">https://doi.org/10.1016/j.energy.2022.126412</a>.</p> <p><b>Demir, U. Çelebi, S. Özer, S.</b> (2023). Experimental investigation of the effect of fuel oil, graphene and HHO gas addition to diesel fuel on engine performance and exhaust emissions in a diesel engine, <i>International Journal of Hydrogen Energy</i>.</p>

		<p><b>Özer, S.</b> Vural, E. (2023). "The effect of the addition of H<sub>2</sub>, H<sub>2</sub>+HHO and H<sub>2</sub>+HHO+O<sub>2</sub> from the intake manifold on exhaust emissions in a diesel generator using diesel/toluene/diethyl ether as pilot fuel", <i>International Journal of Hydrogen Energy</i>.</p> <p>Ulkir, O., Ertugrul, I., Akkus, N., &amp; <b>Ozer, S.</b> (2023). Production of piezoelectric cantilever using MEMS-based layered manufacturing technology. <i>Optik</i>, 273, 170472. <a href="https://doi.org/10.1016/j.ijleo.2022.170472">https://doi.org/10.1016/j.ijleo.2022.170472</a></p> <p>Vural, E., <b>Özer, S.</b>, Özel, S., &amp; Binici, M. (2023). Analyzing the effects of hexane and water blended diesel fuels on emissions and performance in a ceramic-coated diesel engine by Taguchi optimization method. <i>Fuel</i>, 344, 128105. <a href="https://doi.org/10.1016/j.fuel.2023.128105">https://doi.org/10.1016/j.fuel.2023.128105</a></p> <p><b>Uluslararası indeksler:</b></p> <p><b>Özer, S.,</b> &amp; Cenap, C. (2023). Effects of Adding Waste Oil Ethylene Glycol Butyl Ether to Diesel Fuel. <i>International Journal of Automotive Science and Technology</i>, 7(4), 279-284. <a href="https://doi.org/10.30939/ijastech.1321150">https://doi.org/10.30939/ijastech.1321150</a></p>
3	Hüseyin KOÇ	<p><b>SCI-SCI Expanded:</b></p> <p>Gökbulut, M., Aşçı, Ş., &amp; <b>Koç, H.</b> (2023). Investigations of temperature dependence of the thermal shifts in Sm<sup>2+</sup>-doped SrFCl crystal. <i>Physica B: Condensed Matter</i>, 649, 414484.</p>
4	Zeynal TOPALCENGİZ	<p><b>SCI-SCI Expanded:</b></p> <p>Hamilton, A. N., <b>Topalcengiz, Z.</b>, &amp; Gibson, K. E. (2023). Growing Safer Greens: Exploring Food Safety Practices and Challenges in Indoor, Soilless Production Through Thematic Analysis of Leafy Greens Grower Interviews. <i>Journal of Food Protection</i>, 86(11), 100163. <a href="https://doi.org/10.1016/j.jfp.2023.100163">https://doi.org/10.1016/j.jfp.2023.100163</a></p> <p>Saha, J., <b>Topalcengiz, Z.</b>, Sharma, V., Friedrich, L. M., &amp; Danyluk, M. D. (2023). Fate and Growth Kinetics of Salmonella and Listeria monocytogenes on Mangoes During Storage. <i>Journal of Food Protection</i>, 86(10), 100151. <a href="https://doi.org/10.1016/j.jfp.2023.100151">https://doi.org/10.1016/j.jfp.2023.100151</a></p> <p><b>Topalcengiz, Z.</b>, Friedrich, L. M., &amp; Danyluk, M. D. (2023). Salmonella transfer potential between tomatoes and cartons used for distribution. <i>Journal of Food Protection</i>, 86(1), 100016. <a href="https://doi.org/10.1016/j.jfp.2022.11.008">https://doi.org/10.1016/j.jfp.2022.11.008</a></p>
5	Tayfun ABUT	<p><b>SCI-SCI Expanded:</b></p> <p><b>Abut, T.</b>, &amp; Salkim, E. (2023). Control of Quarter-Car Active Suspension System Based on Optimized Fuzzy Linear Quadratic Regulator Control Method. <i>Applied Sciences</i>, 13(15), 8802.</p> <p><b>TR Dizin:</b></p> <p><b>Abut, T.</b>, (2023) Optimal LQR Controller Methods for Double Inverted Pendulum System on a Cart. <i>Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi</i>, 14(2), 247-255.</p>

6	Abdulhakim ZEYBEK	<p><b>SCI-SCI Expanded:</b></p> <p><b>Zeybek, A.</b> (2023). Experimental and Empirical Studies to Evaluate Liquefaction Resistance of Partially Saturated Sands. <i>Applied Sciences</i>, 13(1), Article 1. <a href="https://doi.org/10.3390/app13010081">https://doi.org/10.3390/app13010081</a></p> <p><b>Zeybek, A., &amp; Eyin, M.</b> (2023). Experimental Study on Liquefaction Characteristics of Saturated Sands Mixed with Fly Ash and Tire Crumb Rubber. <i>Sustainability</i>, 15(4), Article 4. <a href="https://doi.org/10.3390/su15042960">https://doi.org/10.3390/su15042960</a></p> <p><b>Zeybek, A., &amp; Madabhushi, G. S. P.</b> (2023). Assessment of soil parameters during post-liquefaction reconsolidation of loose sand. <i>Soil Dynamics and Earthquake Engineering</i>, 164, 107611. <a href="https://doi.org/10.1016/j.soildyn.2022.107611">https://doi.org/10.1016/j.soildyn.2022.107611</a></p>
7	N. Cihat İÇYER	<p><b>SCI-SCI Expanded:</b></p> <p>Erem, E., Akdeniz, E., Cayır, M., <b>Icyer, N. C.</b>, &amp; Toker, O. S. (2023). Fruit-based vegan ice cream-type frozen dessert with aquafaba: Effect of fruit types on quality parameters. <i>Journal of Food Science and Technology</i>. <a href="https://doi.org/10.1007/s13197-023-05885-y">https://doi.org/10.1007/s13197-023-05885-y</a></p> <p>Barišić, V., <b>Icyer, N. C.</b>, Akyil, S., Toker, O. S., Flanjak, I., &amp; Aćkar, Đ. (2023). Cocoa based beverages – Composition, nutritional value, processing, quality problems and new perspectives. <i>Trends in Food Science &amp; Technology</i>, 132, 65–75.</p> <p>Erem E, <b>Icyer N, C.</b>, Tatlısu N, B., Kilicli M, Kaderoglu G, H., Toker Ö, S. (2023). A new trend among plant-based food ingredients in food processing technology: Aquafaba. <i>Crit Rev Food Sci Nutr</i>. 63(20):4467-4484. doi: 10.1080/10408398.2021.2002259. Epub 2021 Nov 11. PMID: 34761963.</p> <p><b>TR Dizin:</b></p> <p><b>Icyer, N. C.</b>, &amp; Kuran, N. (2023). The Global Fight against Trans-Fat: Policy Insights and Labeling Information Based on Alternative Substitutes, Processing Methods. <i>Food and Health</i>, 9(1), 1-12.</p> <p><b>Uluslararası indeksler:</b></p> <p><b>İcyer, N. C.</b> (2023). Ayçiçek Yağı Rafinasyonunda Ultrasonik Uygulamalar ile Ağartma Prosesinin İyileştirilme Potansiyelinin Belirlenmesi. <i>Muş Alparslan Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi</i>, 4(1), 41-46.</p>
8	Ömer ARSLAN	<p><b>SCI-SCI Expanded:</b></p> <p>Bingöl, A., <b>Arslan, Ö.</b> (2023). Effective Utilization of Solar Energy in Sustainable Agricultural Irrigation: A Provincial Example from Türkiye. <i>Thermal Science International Scientific Journal</i>, 27 (4B):3373-3384.</p>
9	Murat DEMİR	<p><b>TR Dizin:</b></p> <p><b>Demir, M.</b> (2023). 06 Şubat Kahramanmaraş Merkezli Depremler Sonrasında Sosyal Medya Kullanımının Yansımaları. <i>Türk Deprem Araştırma Dergisi</i>, 5(2), 248-269. <a href="https://doi.org/10.46464/tdad.1334129">https://doi.org/10.46464/tdad.1334129</a></p>

10	İhsan TUĞAL	<p><b>SCI-SCI Expanded:</b></p> <p><b>Tugal, I., &amp; Sevgin, F.</b> (2023). Analysis and forecasting of temperature using time series forecasting methods a case study of Mus. <i>Thermal Science</i>, 27(4 Part B), 3081–3088.</p> <p><b>TR Dizin:</b></p> <p><b>Tuğal, İ., &amp; Pala Z.</b> (2023). Centrality with Entropy in Hypergraphs Based on Similarity Measures. <i>Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi</i>, 14(3), 407-419.</p> <p>Kurt, F., Kurt, B., Baran, N., Filiz, E., <b>Tuğal, İ.</b>, Karadağ, Y. &amp; Yetişsin, F. (2023). Patates (Solanum Tuberosum) Bitkisindeki Aromatik Amino Asit Metabolik Yolağının Biyoinformatik Yaklaşımlarla İncelenmesi. <i>Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi</i>, 6(2), 1205-1220. <a href="https://doi.org/10.47495/okufbed.1133413">https://doi.org/10.47495/okufbed.1133413</a>.</p> <p>Aykut, M., &amp; <b>Tuğal, İ.</b> (2023). The influence of Altitude on the Species Composition of Diving Beetles (Coleoptera; Adepaga; Dytiscidae) of Eastern and Southeastern Region of Turkey. <i>Journal of the Institute of Science and Technology</i>, 13(3), 1573-1584. <a href="https://doi.org/10.21597/jist.1330703">https://doi.org/10.21597/jist.1330703</a>.</p>
11	Hatice ERDEM	<p><b>SCI-SCI Expanded:</b></p> <p><b>Erdem, H., &amp; Erdem, M.</b> (2023). Ciprofloxacın degradation with persulfate activated with the synergistic effect of the activated carbon and cobalt dual catalyst. <i>Arabian Journal for Science and Engineering</i>, 48(7), 8401-8415.</p> <p><b>TR Dizin:</b></p> <p><b>Erdem, H.,</b> (2023). “The Application of Different Technologies for Removal of Rifampicin From Aquatic Environments: A Recent Review”, <i>DÜMF MD</i>, c. 14, sy. 1, ss. 145–163, doi: 10.24012/dumf.1120755.</p> <p><b>Erdem, H., &amp; Erdem, M.</b> (2023). Kimyasal Çöktürme Yöntemiyle Persülfat Aktivasyonu için Aktif Karbon Destekli Demir ve Kobalt Bazlı Katalizör Sentezi ve Eritromisin Degradasyonu için Uygulaması. <i>Karadeniz Fen Bilimleri Dergisi</i>, 13(4), 1780-1797.</p>
12	Burcu K. DOĞAN	<p><b>SCI-SCI Expanded:</b></p> <p><b>Doğan, B. K., &amp; Karaçay, T.</b> (2023). Experimental Fault Analysis of Polymer Hybrid Bearing Using Accelerometer And Load Cell. <i>Tribology International</i>, 108498.</p> <p><b>Doğan, B. K., Dal, A., Ağören, G., &amp; Karaçay, T.</b> (2023). Vibration Analysis of a Hybrid Polymer Ball Bearing with 3D-Printed Races. <i>Journal of Vibration Engineering &amp; Technologies</i>, 1-12.</p>

		<p><b>Uluslararası indeksler:</b></p> <p><b>Doğan, B. K.</b>, &amp; Karaçay, T. (2023). Investigation of Polymer Hybrid Ball Bearings' Dynamic Behaviour. <i>Muş Alparslan Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi</i>, 4(2), 40-49.</p>
13	Kemal SÜLÜK	<p><b>SCI-SCI Expanded:</b></p> <p>K. Ekinci, İ. Tosun, <b>K. Sülük</b>, F. Şevik, B. S. Kumbul, And N. B. Bitrak, “Effects of Aeration Pattern in Force-Aerated Static Pile Composting Methods for Rose Oil Processing Solid Wastes ,” <i>Journal of Agricultural Science and Technology</i>, vol. 25, no. 4, pp. 877–891, Jun. 2023.</p> <p>Ekinci, K., Tosun, İ., Şevik, F., Bitrak, N. B., <b>Sülük, K.</b>, &amp; Kumbul, B. S. (2023). Effects of Initial C/N Ratio on Maturity and Stability of Compost Produced from Two-Phase Olive Mill Pomace, Poultry and Dairy Manure and Straw. <i>Compost Science &amp; Utilization</i>, 29(3-4), 95-106.</p> <p><b>TR Dizin:</b></p> <p><b>K. Sülük</b>, İ. Tosun, And K. Ekinci, “Vermicompost Production From Apple Processing Waste Compost,” <i>Muhendislik Bilimleri ve Tasarım Dergisi</i>, vol. 11, no. 2, pp. 844–856, Jun. 2023.</p>
14	Ümmü Gülsüm SÖYLEMEZ	<p><b>SCI-SCI Expanded:</b></p> <p><b>Söylemez, Ü. G.</b>, Yousef, M., &amp; Bakir-Gungor, B. (2023). AMP-GSM: Prediction of Antimicrobial Peptides via a Grouping–Scoring–Modeling Approach. <i>Applied Sciences</i>, 13(8), Article 8. <a href="https://doi.org/10.3390/app13085106">https://doi.org/10.3390/app13085106</a></p>
15	İlyas BOZKURT	<p><b>SCI-SCI Expanded:</b></p> <p>Albayrak, M., Kaman, M. O., &amp; <b>Bozkurt, I.</b> (2023). Experimental and Numerical Investigation of the Geometrical Effect on Low Velocity Impact Behavior for Curved Composites with a Rubber Interlayer. <i>Applied Composite Materials</i>, 30(2), 507–538.</p> <p>Albayrak, M., Kaman, M. O., &amp; <b>Bozkurt, I.</b> (2023). The effect of lamina configuration on low-velocity impact behaviour for glass fiber/rubber curved composites. <i>Journal of Composite Materials</i>, 57(11), 1875–1908.</p> <p><b>Bozkurt, I.</b>, Kaman, M. O., &amp; Albayrak, M. (2023). Low-velocity impact behaviours of sandwiches manufactured from fully carbon fiber composite for different cell types and compression behaviours for different core types. <i>Materials Testing</i>, 65(9), 1349–1372.</p>

16	Ceren AĞIN GÖZÜKIZIL	<p><b>Uluslararası indeksler:</b></p> <p>Tezcan, S., <b>Ağın Gözükızıl C.</b>, Zengin Çelik H. (2023). Göçe Maruz Kalmış Alanlara Yönelik Farklı Kentsel Müdahaleler: İzmir Örneği Ege Mimarlık, cilt.1, sa.117, ss.62-67.</p> <p><b>Ağın Gözükızıl C.</b>, Tezcan S., Zengin Çelik H. (2023). "Kentlerde Mekansal Direnç Yaratma Tartışmaları: 2020 Ege Denizi Depremi Örneği," Ege Mimarlık, vol.4, no.120, pp.88-95, 2023</p> <p>Zengin Çelik, H., Tezcan, S., &amp; <b>Ağın Gözükızıl, C.</b> (2023). İzmir-Beştepele Bölgesinde Plan Stratejilerini Yönlendirecek Dinamikler ve Kentsel Dönüşüm. Eksen Dokuz Eylül Üniversitesi Mimarlık Fakültesi Dergisi, 4(1), 99-114.</p> <p><b>A. Gözükızıl, C.</b>, Tezcan, S. (2023). Türkiye’de 1980-1990 Yılları Arasındaki Konut Sorun ve Sunum Biçimlerinin Kemal Sunal Filmleri Üzerinden Okumak. Social Sciences Research Journal, 12 (11), 1269-1278.</p> <p>Polat, B., &amp; <b>Ağın Gözükızıl, C.</b> (2023). Sürdürülebilirlik Bağlamında Expo Pavyonlarının Tasarımı: Expo 2020 Dubai Örneği. Akademik Tarih Ve Düşünce Dergisi, 10(5), 1760-1773.</p> <p><b>TR Dizin:</b></p> <p><b>Ağın Gözükızıl, C.</b>, &amp; Tezcan, S. (2023). Cumhuriyet’in Yüzüncü Yılında Türkiye’de Afetler: 06 Şubat 2023 Kahramanmaraş Depremi. Kent Akademisi, 16(Türkiye Cumhuriyeti’nin 100. Yılı Özel Sayısı   Special Issue for the 100th Anniversary of the Republic of Türkiye), 97-114. <a href="https://doi.org/10.35674/kent.1353445">https://doi.org/10.35674/kent.1353445</a></p>
17	Güneş MUTLU AVİNÇ	<p><b>Uluslararası diğer indeksler:</b></p> <p>Abbaslı, U., <b>Mutlu Avinç, G.</b>, &amp; Arslan Selçuk, S. (2023). A parametric design offering affordances for the children of digital world: playground inspired by Voronoi. Architectus, 1(73), 123-132.</p> <p><b>Mutlu Avinç, G.</b>, Learning from Nature for Sustainable Solutions in Architecture: Biomimetic Lightweight Structure Designs. <i>Uluslararası Doğu Anadolu Fen Mühendislik ve Tasarım Dergisi</i>, 5(2), 198-214.</p> <p><b>TR Dizin:</b></p> <p><b>Mutlu Avinç, G.</b>, &amp; Arslan Selçuk, S. Floating Cities: A Solution for Climate Refugees?. PLANARCH-Design and Planning Research, 7(1), 1-17.</p> <p>Gültek, M., <b>Mutlu Avinç, G.</b>, Sarıcioğlu, P., &amp; Yıldız, A. (2023). Beton Esaslı Prefabriğe Cephe Panelleri Üzerine Bir İnceleme. <i>International Journal of Engineering Research and Development</i>, 15(3), 240-255.</p>

18	Gülten ÇETINTAŞ	<b>Uluslararası diğer indeksler:</b>  <b>Çetintaş, G., Özyetkin, M. M., &amp; Hamamci, S. E., (2023).</b> A Simple Graphical-Based Proportion al–In tegra l–Der ivati ve Tuning Method for Time-Delay Systems. <i>Electrica</i> , vol.23, no.2, 376-384.
19	Mecit YÜZKAT	<b>SCI-SCI Expanded:</b>  Yuzkat, M., Ilhan, H. O., & Aydin, N. (2023). Detection of sperm cells by single-stage and two-stage deep object detectors. <i>Biomedical Signal Processing and Control</i> , 83, 104630.
20	Erkan KARAKOYUN	<b>SCI-SCI Expanded:</b>  Kartal, V., Emiroglu, M. E., Katipoglu, O. M., & <b>Karakoyun, E.</b> (2023). Prediction of scour hole characteristics caused by water jets using metaheuristic artificial bee colony-optimized neural network and pre-processing techniques. <i>Journal of Hydroinformatics</i> , 25(6), 2427-2443.
21	Gizem Hazan AKÇAY	<b>TR Dizin:</b>  Akçay, G. H., & Arı, I, (2023). Investigation of Domestic Wastewater Treatment and Electricity Generation Using A Two Chambered Microbial Fuel Cell with Composite Anode Electrode. <i>Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi</i> , 23(1), 177-185.