

**MUŞ ALPARSLAN ÜNİVERSİTESİ MÜH-MİM. FAKÜLTESİ AKADEMİK  
PERSONELİ 2022 YILI AKADEMİK ÇALIŞMA RAPORU**

S. No.	Ad Soyadı	Science Citation Index (SCI), Science Citation Index Expanded (SCI-E), Uluslararası alan indeksleri ve TR dizinde taranan dergilerde yapılan çalışmalar
1	Ulaş ÇAYDAŞ	<p>SCI-SCI Expanded:</p> <p>Çelik, M, <b>Ulaş Çaydaş</b>, Akyüz, M. The Influence of Roller Burnishing Process Parameters on Surface Quality and Fatigue Life of AA 7075-t6 Alloy" <i>Material Science and Engineering Technology</i>, Accepted for Publishing, 2022.</p> <p>Çelik, M., Gürün H.,<b>Ulaş Çaydaş</b> "Surface Modification of Wire-EDMed Ti6Al4V Alloy by Ultrasonic Assisted Magnetic Abrasive Finishing Technique" <i>Surface Topography: Metrology and Properties</i>, Accepted for Publishing, 2022.</p>
2	Zeydin PALA	<p>SCI-SCI Expanded:</p> <p>R Atıcı, <b>Zeydin Pala</b> "Prediction of the Ionospheric foF2 Parameter Using R Language Forecasthybrid Model Library Convenient Time Series Functions" <i>Wireless Personal Communications</i>, 122, 4, 3293-3312, 2022.</p> <p>Yalcinkaya, F., Koc, T., &amp; <b>Zeydin Pala</b>. (2022). Spatial light modulator design and generation of structured electromagnetic waves using digital light processors. <i>Optica Applicata</i>, 52 (3), 461-479.</p> <p>TR Dizin:</p> <p><b>Zeydin Pala</b>, &amp; Ünlük, İ. H. (2022). Comparison of hybrid and non-hybrid models in short-term predictions on time series in the R development environment. <i>Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi</i>, 13(2)</p>
3	Salih ÖZER	<p>SCI-SCI Expanded:</p> <p><b>Salih Özer</b>, D Useme, "Experimental investigation of the effect of urea addition to fuel on engine performance and emissions in diesel engines" <i>Fuel</i>, 311, 122578, 2022.</p> <p><b>Salih Özer</b> "The effects of in-situ formed phases on the microstructure, mechanical properties and electrical conductivity of spark plasma sintered B4C containing Y2O3" <i>Journal of the European Ceramic Society</i>, Accepted for Publishing, 2022.</p>

		<p>U Demir, <b>Salih Özer</b>, S Koçyiğit, "Effect of Using Borax Decahydrate as Nanomaterials Additive Diesel Fuel on Diesel Engine Performance and Emissions" <i>SSRN</i>, 4017345, 2022.</p> <p><b>Salih Özer</b> "Fabrication and Experimental Study of Micro-Gripper with Electrothermal Actuation by Stereolithography Method" <i>Journal of Materials Engineering and Performance</i>, Accepted for Publishing, 2022.</p> <p>Doğan, B., <b>Salih Özer</b>, Erol, D., Exergy, exergoeconomic, and exergoenvironmental evaluations of the use of diesel/fusel oil blends in compression ignition engines <i>Sustainable Energy Technologies and Assessments</i>, 2022, 53, 102475.</p> <p>Akçay, M., <b>Salih Özer</b>, Satılmış, G. Analytical Formulation for Diesel Engine Fueled with Fusel Oil/Diesel Blends <i>Journal of Scientific and Industrial Research</i>, 2022, 81(7), pp. 712–719</p> <p><b>Salih Özer</b>, Dogan, B., Thermodynamic Analyses In A Compression Ignition Engine Using Fuel Oil Diesel Fuel Blends <i>Thermal Science</i>, 2022, 26(4), pp. 3079–3088</p> <p>Ertugrul, I. Ulkir, O. <b>Salih Özer</b>, Ozel, S. Analysis Of Thermal Barrier Coated Pistons In The Comsol And The Effects Of Their Use With Water + Ethanol Doped Biodiesel <i>Thermal Science</i>, 2022, 26(4), pp. 2981–2989</p> <p>Alan indeksleri:</p> <p><b>Salih Özer</b>, Akçay, M. Doğan, B. Erol, D. Setiyo, M. The Effects of Canola Oil/Diesel Fuel/Ethanol/N-Butanol/Butyl Di Glycol Fuel Mixtures on Combustion, Exhaust Gas Emissions and Exergy Analysis <i>Automotive Experiences</i>, 2022, 5(3), pp. 268–287</p>
4	Hüseyin KOÇ	<p>SCI-SCI Expanded:</p> <p><b>Hüseyin Koç</b>, O Köse, E Eser, "Low-temperature heat capacities for EMO<sub>4</sub> (E= Mg, Sr, Ba) substances formed in nuclear fuel waste glasses" <i>Progress in Nuclear Energy</i>, 104054, 2022.</p> <p>Hüseyin Koç, M H Bölükdemir, E Eser, "Heat Capacity of Layered Perovskite Compounds: EsBaCuFeO<sub>5</sub> (Es = Ho, Gd, and Yb)", <i>Physica Status Solidi (B)</i> 259 (11), 2200184</p>

5	Zeynal TOPALCENGİZ	<p>SCI-SCI Expanded:</p> <p><b>Zeynal Topalcengiz</b>, MD Danyluk, "Assessment of Contamination Risk from Fecal Matter Presence on Fruit and Mulch in the tomato fields based on generic <i>Escherichia coli</i> population" <i>Food Microbiology</i>, 103, 103956, 2022.</p> <p>AK Persad, H Fahmy, N Anderson, J Cui, <b>Zeynal Topalcengiz</b>, et al. "Identification and Subtyping of Salmonella Isolates Using Matrix Assisted Laser Desorption Ionization Time of Flight Mass Spectrometry" <i>Microorganisms</i>, Accepted for Publishing, 2022.</p> <p>S Buyrukoğlu, Y Yılmaz, <b>Zeynal Topalcengiz</b> "Correlation Value Determined to Increase Salmonella Prediction Success of Deep Neural Network for Agricultural Waters" <i>Environmental Monitoring and Assessment</i>, 194, 373, 2022.</p> <p>S Isık, Z Aytemiş, B Çetin, <b>Zeynal Topalcengiz</b> "Possible Explanation for Limited Reduction of Pathogens on Radish Microgreens after Spray Application of Chlorinated Water During Growth with Disperse Contamination Spread of Abiotic Surrogate on Leaves" <i>Journal of Food Safety</i>, Accepted for Publishing, 2022.</p> <p>Persad, A.K., Fahmy, H.A., Anderson, N.; Cui, J., <b>Zeynal Topalcengiz</b>, Jamsripong, S., Spaninger, P.M., Buchanan, R.L., Kniel, K.E., Jay-Russell, M.T., Danyluk, M.D., Rajashekara, G., LeJeune, J.T. 2022. Identification and Subtyping of Salmonella Isolates Using Matrix-Assisted Laser Desorption–Ionization Time-of-Flight Mass Spectrometry (MALDI-TOF). <i>Microorganisms</i>. 10(4), 688.</p> <p>TR Dizin:</p> <p>Işık, S., Işık, H., Aytemiş, Z., Güner, S., Aksoy, A., Çetin, B., <b>Zeynal Topalcengiz</b>, 2022. Microgreens: Nutritional Content, Health Effect, Production, and Food Safety. <i>The Journal of Food. GIDA/The Journal of FOOD</i> 47 (4).</p> <p>Alan indeksleri:</p> <p>Dicle, Y., Yazgi, H., Coşkun, M.V., <b>Zeynal Topalcengiz</b>, 2022. Synergistic Antibacterial Effect of Ciprofloxacin and Green Tea Extract on Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) Strains Isolated from Clinical Cases. <i>Turkish Bulletin of Hygiene and Experimental Biology</i>. 79 (1), 3-12</p>
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6	Tayfun ABUT	<p>SCI-SCI Expanded:</p> <p><b>Tayfun Abut, &amp; Soyguder, S. (2022).</b> Two-loop controller design and implementations for an inverted pendulum system with optimal self-adaptive fuzzy-proportional–integral–derivative control. <i>Transactions of the Institute of Measurement and Control</i>, 44(2), 468-483.</p> <p><b>Tayfun Abut, &amp; Soyguder, S. (2022).</b> Optimal adaptive computed torque control for haptic-teleoperation system with uncertain dynamics. Proceedings of the Institution of Mechanical Engineers, Part I: <i>Journal of Systems and Control Engineering</i>, 236(4), 800-817.</p> <p>Alan indeksleri:</p> <p><b>Tayfun Abut, &amp; Soygüder, S. (2022).</b> Kayan Kipli Kontrol (KKK) Yöntemleriyle Haptik-Teleoperasyon Sisteminin Kontrolü. <i>Muş Alparslan Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi</i>, 3 (1), 1-11.</p>
7	Abdulahkim ZEYBEK	<p>SCI-SCI Expanded:</p> <p><b>Abdulahkim Zeybek</b> "Suggested Method for Specimen Preperation for Triaxial Tests on Partially Saturated Sand" <i>Geotechnical Testing Journal</i>, Accepted for Publishing, 2022.</p> <p><b>Abdulahkim Zeybek</b> (2022). Shaking table tests on seismic performance of shallow foundations resting on partially saturated sands. <i>Arabian Journal of Geosciences</i>, 15(8), 774.</p> <p>TR Dizin:</p> <p><b>Abdulahkim Zeybek</b>, "Stress-Controlled Dynamic Triaxial Experiments to Examine the Liquefaction Response of Clean Sand", <i>Bitlis Eren Üniversitesi Fen Bilimleri Dergisi</i>, vol. 11, no. 2, pp. 666-677, Jun. 2022</p> <p><b>Abdulahkim Zeybek</b>, (2022). Experimental Insights Into Induced Partial Saturation Methods Developed For Liquefaction Mitigation: Distribution Of Gas Bubbles. <i>Eskişehir Osmangazi Üniversitesi Mühendislik ve Mimarlık Fakültesi Dergisi</i> , 30 (3) , 309-317</p>

8	Fatih BOZKURT	<p>SCI-SCI Expanded:</p> <p>CY Karakas, HR Ordu, <b>Fatih Bozkurt</b>, A Karadag, "Electrosprayed chitosan-coated alginate–pectin beads as potential system for colon-targeted delivery of ellagic acid" <i>Journal of the Science of Food and Agriculture</i>, 102, 3, 965-975, 2022.</p> <p>H Bekiroglu, <b>Fatih Bozkurt</b>, A Karadag, AM Ahhmed, O Sagdic, "The effects of different protease treatments on the techno-functional, structural, and bioactive properties of bovine casein" <i>Preparative Biochemistry &amp; Biotechnology</i>, 1-12, 2022.</p> <p>T Hijazi, S Karasu, Z H Tekin-Çakmak, <b>Fatih Bozkurt</b>, "Extraction of Natural Gum from Cold-Pressed Chia Seed, Flaxseed, and Rocket Seed Oil By-Product and Application in Low Fat Vegan Mayonnaise" <i>Foods</i>, 3, 363, 2022.</p> <p>B Goztepe, S Kayacan, <b>Fatih Bozkurt</b>, M Tomas, O Sagdic, S Karasu, "Drying kinetics, total bioactive compounds, antioxidant activity, phenolic profile, lycopene and <math>\beta</math>-carotene content and color quality of Rosehip dehydrated by different methods" <i>LWT</i>, 153, 112476, 2022.</p> <p>Tekle, S., <b>Fatih Bozkurt</b>, Akman, P. K., &amp; Sagdic, O. (2022). Bioactive and Functional properties of gelatin peptide fractions obtained from sea bass (<i>Dicentrarchus labrax</i>) skin. <i>Food Science and Technology</i>, 42.</p> <p>Akman, P. K., <b>Fatih Bozkurt</b>, &amp; Tornuk, F. (2022). Fabrication and characterization of curcumin loaded ovalbumin nanocarriers and bioactive properties. <i>Food Science and Technology</i>, 42.</p> <p>Bekiroglu, H., Goktas, H., Karaibrahim, D., <b>Fatih Bozkurt</b>, &amp; Sagdic, O. (2022). Determination of rheological, melting and sensorial properties and volatile compounds of vegan ice cream produced with fresh and dried walnut milk. <i>International Journal of Gastronomy and Food Science</i>, 28, 100521.</p> <p>Demirgöl, F., Şimşek, Ö., <b>Fatih Bozkurt</b>, Dertli, E., &amp; Sağdıç, O. (2022). Production and characterization of yeast extracts produced by <i>Saccharomyces cerevisiae</i>, <i>Saccharomyces boulardii</i> and <i>Kluyveromyces marxianus</i>. <i>Preparative Biochemistry &amp; Biotechnology</i>, 52(6), 657-667.</p> <p>Akcicek, A., Karasu, S., <b>Fatih Bozkurt</b>, &amp; Kayacan, S. (2022). Egg Yolk-Free Vegan Mayonnaise Preparation from Pickering Emulsion Stabilized by Gum Nanoparticles with or without Loading Olive Pomace Extracts. <i>ACS omega</i>, 7(30), 26316-26327.</p>
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9	N. Cihat İÇYER	<p>SCI-SCI Expanded:</p> <p>Ozcan, Y., <b>N. Cihat İçyer</b>, Ozmen, D., &amp; Toker, O. S. (2022). Effect of soapwort extract as an alternative to albumin on the physical, textural, sensory, and rheological properties of marshmallow. <i>Journal of Food Processing and Preservation</i>, 46(11), e16931</p> <p>Sahin, E., Erem, E., Güzey, M., Kesen, M. S., <b>N. Cihat İçyer</b>, Ozmen, D., Toker, O. S., &amp; Cakmak, H. (2022). High potential food wastes: Evaluation of melon seeds as spreadable butter. <i>Journal of Food Processing and Preservation</i>, 46(10), e16841.</p> <p>Alan indeksleri:</p> <p>Manguldar, F., Derya, B., Balbinar, S., Çakır, Ş., <b>N. Cihat İçyer</b>, Çayır, M. , Toker, Ö. S. &amp; Şentürk, B. (2022). Vegan and gluten-free granola bar production with pumpkin. <i>European Food Science and Engineering</i>, 3 (2) , 52-57</p>
10	Murat DEMİR	<p>SCI-SCI Expanded:</p> <p>Canayaz, M., Şehribanoğlu, S., Özdağ, R., <b>Murat Demir</b> “COVID-19 diagnosis on CT images with Bayes optimization-based deep neural networks and machine learning algorithms” <i>Neural Computation &amp; Application</i>, 34, 5349–5365, (2022).</p>
11	İhsan TUĞAL	<p>Alan indeksleri:</p> <p><b>İhsan Tuğal</b>, Bünyamin Şahin, Abdulgani Şahin. "The Shannon Entropy of Fibonacci Numbers". <i>MATI</i> 4(1)(2022), pp: 12-22.</p> <p><b>İhsan Tuğal</b>, The Effect of <math>\alpha</math> on The Behavior of Entropy Functions, <i>Computer Science</i>, Year 2022, Volume Vol:7,Issue:2, 89 - 94, 07.12.2022</p> <p>"Bünyamin Şahin, <b>İhsan Tuğal</b>, Lucas Sayı Dizisinin Bilgi Entropisi Yönünden İncelenmesi, <i>Avrupa Bilim ve Teknoloji Dergisi</i> , Ejosat Özel Sayı 2022 (ICAENS-1) , 665-671 .</p>
12	Hatice ERDEM	<p>SCI-SCI Expanded:</p> <p><b>Hatice Erdem</b> &amp; Erdem, M. (2022). Synthesis and characterization of a novel activated carbon–supported cobalt catalyst from biomass mixture for tetracycline degradation via persulfate activation. <i>Biomass Conversion and Biorefinery</i>, 12(8), 3513–3524.</p>

		<p><b>Hatice Erdem</b> &amp; Erdem, M. (2023). Ciprofloxacin 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).</p> <p>Alan indeksleri:</p> <p><b>Hatice Erdem</b> &amp; Erdem, M. (2022). Persülfatın Heterojen Aktivasyonu için Aktif Karbon Destekli Kobalt-Bazlı Katalizör Kullanılarak Fenoprofenin Degradasyonu. <i>Muş Alparslan Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi</i>, 3 (2) , 71-81 .</p>
13	Büşra TAŞKAN	<p>TR Dizin:</p> <p>Karatop, B., <b>Büşra Taşkan</b>, &amp; Adar, E. (2022). Determination of the Focus Strategies Related to Renewable Energy For Turkey by Using the Fuzzy Sectional SWOT. <i>Journal of Intelligent Systems: Theory and Applications</i>, 5(1), 42-56.</p> <p>Alan indeksleri:</p> <p><b>Büşra Taşkan</b> &amp; Karatop, B. (2022). Development of the field of organizational performance during the industry 4.0 period. <i>International Journal of Research in Industrial Engineering</i>, 11(2), 134-154.</p>
14	Erkan KARAKOYUN	<p>SCI-SCI Expanded:</p> <p><b>Erkan Karakoyun</b>, &amp; Kaya, N. (2022). Hydrological simulation and prediction of soil erosion using the SWAT model in a mountainous watershed: A case study of Murat River Basin, Turkey. <i>Journal of Hydroinformatics</i>, 24(6), 1175–1193.</p>
15	Burcu KÜÇÜKOĞLU DOĞAN	<p>Alan indeksleri:</p> <p><b>Burcu Küçükoğlu Doğan</b>, &amp; Karaçay, T. (2022). Temperature and Vibration Condition Monitoring of a Polymer Hybrid Ball Bearing. <i>Journal of Vibration Engineering &amp; Technologies</i>, 10(6), 2385-2390.</p> <p><b>Burcu Küçükoğlu Doğan</b>, &amp; Karaçay, T. (2022). Sıcaklığın elastik bölgede çalışan polimer hibrit rulmanların dinamik karakteristiğine etkisinin incelenmesi. <i>Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi</i>, 28(1), 1-8.</p>

16	Kemal SÜLÜK	<p>SCI-SCI Expanded:</p> <p><b>Kemal Sülük</b> "Evaluation of Forced Aerated and Turned Pile Composting of Rose Oil Processing Wastes" <i>Environment Protection Engineering</i>, Accepted for Publishing, 2022.</p>
17	Ümmü Gülsüm SÖYLEMEZ	<p>SCI-SCI Expanded:</p> <p><b>Ümmü Gülsüm Söylemez</b>, M Yousef, Z Kesmen, et al. "Prediction of Linear Cationic Antimicrobial Peptides Active against Gram-Negative and Gram-Positive Bacteria Based on Machine Learning Models" <i>Applied Sciences</i>, 12, 7, 2022.</p>
18	Gülten ÇETİNTAŞ	<p>SCI-SCI Expanded:</p> <p><b>Gülten Çetintaş</b>, Hamamcı, S.E. "PID Stabilization of Complex Conjugate Order Systems" <i>Transactions of the Institute of Measurement and Control</i>, Accepted for Publishing, 2022.</p> <p>Alan indeksleri:</p>
19	Ahmet SAYLIK	<p>SCI-SCI Expanded:</p> <p><b>Ahmet Saylık</b>, Ş Temiz "Investigation of Low-Speed Impact Behaviour of Fiber-Reinforced Polymer-Based Glass, Carbon, and Glass/Carbon Hybrid Composites" <i>Materials Testing</i>, Accepted for Publishing, 2022.</p>
20	Yasin İNAĞ	<p>SCI-SCI Expanded:</p> <p><b>Inağ, Yasin</b>, et al. Priority enabled content-based forwarding in fog computing via SDN. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i>, 2022, 30.4: 1439-1459.</p> <p>Alan indeksleri:</p> <p><b>Yasin, Inag</b>. Demirci, Mehmet. A Linear Programming Model for Latency Minimization and Fault Tolerance in Software Defined Network Controller Placement. <i>International Journal of Engineering Research and Development</i>, 14.1: 237-245.</p>



21	İlyas BOZKURT	SCI-SCI Expanded:  Albayrak, M., Kaman, M. O., & <b>İlyas Bozkurt</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.
22	Yusuf BUDAK	Alan indeksleri:  <b>Yusuf Budak</b> , & Yavuz, Ö. A. (2022). Kapadokya Bölgesi-Uçhisar Evlerinin kural tabanlı analizi. <i>Online Journal of Art and Design</i> , 10(4), 205-220.
23	Ceren AĞIN GÖZÜKIZIL	Alan indeksleri:  <b>Ceren Ağın Gözükızıl</b> , Zengin Çelik HayaT (2022). Kentsel Afetlerle Mücadelede 6306 Sayılı Kanun Kapsamındaki Kentsel Dönüşüm Uygulamalarının Türkiye Afet Durumu Üzerinden Okunması. <i>Kent Akademisi</i> , 15(3), 1109-1131., Doi: 10.35674/kent.1023195 (Yayın No: 7980358)
24	Mustafa Ertürk SÖYLEMEZ	SCI-SCI Expanded:  Parlak, Z., <b>Mustafa Ertürk Söylemez</b> & Şahin, I. A New Methodology to Describe Non-Linear Characterization Depending on Temperature of a Semi-Active Absorber Based on Bouc-Wen Model. <i>Gazi University Journal of Science</i> , 1-1.
25	Latife ÖLKER	Alan indeksleri:  <b>Latife Ölker</b> , ve Bekleyen, A. 2022, Kamusal Bir Mekânsal Örgütlenmedeki Avlunun Mekânsal Özellikleri Bakımından Değerlendirilmesi: Diyarbakır Yenişehir Belediyesi Hizmet Binası Örneği, <i>Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi</i> , Cilt 26, Sayı 3, 537 – 545.