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PERSONAL

Date of Birth	22.09.1993
Place of Birth	Trabzon / Turkey

EDUCATION

2018-2023	PhD., Department of Mechanics, Mechanical Engineering, Dokuz Eylül University, Izmir, Turkey
2016-2018	M.Sc., Department of Mechanics, Mechanical Engineering, Dokuz Eylül University, Izmir, Turkey
2011-2016	B.Sc., Mechanical Engineering, Faculty of Engineering, Dokuz Eylül University, Izmir, Turkey

ACADEMIC POSITIONS

08/2024	Asst. Prof. Dr., Department of Mechanical Engineering, Atılım University, Turkey
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RESEARCH INTERESTS

1	Composite materials
2	Impact Mechanics
3	Damage Behavior
4	Quasi-Static and Perforation Behavior
5	Sandwich Composite Structures
6	Natural Fiber and Bio-Particle Reinforced Composites
7	Environmental Effects and Aging
8	Mechanical Characterization of Composites

PUBLICATIONS

1	Karakuzu, R., Sarioglu, R., & Kandas, H. (2025). Impact behavior of sandwich composites with S2-glass/epoxy and PVC foam under low velocity loading. <i>Materials Testing</i> , 1264–1271/67(8)/2025. DOI: 10.1515/mt-2025-0110
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2	Gürkan, M., Kumbuloglu, O., Şahan, M. H., Narin, M., Kandaş, H., Arman, Y., Yildiz, H., & Pekedis, M. (2025) Biomechanics of the implant-supported full arch fixed complete denture manufactured by milling and injection techniques: An experimental and FEA study, <i>Journal of Prosthodontics</i> , 22/4/2025. DOI: 10.1111/jopr.14058
3	Karakuzu R, Kiyık S, Kandaş H, (2024) Low-velocity impact and compression-after-impact behaviors of S2-glass/epoxy laminated composites under impact loading at low temperatures, <i>Mechanics of Advanced Materials and Structures</i> , 13390-13400/31/2024. DOI: 10.1080/15376494.2023.2280725
4	Kandas H, Özdemir O, (2024) An investigation of the mechanical characteristics of natural particle reinforced glass and epoxy composites after immersion in acidic and basic aging solutions, <i>Polymer Composites</i> , 45/1288-1299/2024. DOI: 10.1002/pc.27854
5	Kandas H, Özdemir O, (2023) Investigation of glass/epoxy laminate composites reinforced with bio-particles under mechanical loading, <i>Materials Testing</i> , 65/3/444-452/2023, 03/2023. DOI: 10.1515/mt-2022-0289
6	Balıkoğlu F, Demircioğlu TK, Kandaş H, (2023) Experimental study on the behavior of grid-scored foam-cored sandwich composites under low-velocity and quasi-static punch shear loads, <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 237(4)/803-811/2023. DOI: 10.1177/14644207221124820
7	Kandaş H, Özdemir O, (2022) Effects of Bio-Particles on Mechanical and Quasi-Static Punch Shear Behaviors of Glass/Epoxy Composites", <i>Scientific Research Communications</i> , 2/2/1-9/2022. DOI: 10.52460/src.2022.010
8	Al-Shamary, AKJ, Karakuzu R, Kandaş H, Özdemir O, (2022) Low velocity impact response of sandwich composites with hybrid glass/natural fiber face-sheet and PET foam core, <i>Materials Testing</i> , 64/10/1465-1479/2022 DOI: 10.1515/mt-2022-0151
9	Al-Shamary, AKJ, Karakuzu R, Kandas H, Özdemir O, (2022) Experimental investigation of the impact behavior of glass/epoxy composite materials with the natural fiber layer, <i>Materials Testing</i> , 64/6/780-786/2022. DOI: 10.1515/mt-2021-2133
10	Altaş E, Khosravi F, Gökkaya H, Maleki VA, Akınay Y, Özdemir O, Bayraktar Ö, Kandaş H, (2022) Finite element simulation and experimental investigation on the effect of temperature on Pseudoelastic behavior of perforated Ni-Ti shape memory alloy strips, <i>Smart Materials and Structures</i> , 31/2/1-16/2022. DOI: 10.1088/1361-665X/ac4691
11	Nahit Öztoprak, Okan Özdemir, Halis Kandaş, (2022) Quasi-static perforation response of inter-ply hybrid polypropylene composites at various temperatures, <i>Journal of Composite Materials</i> , 56/3/359- 371/2022. DOI: 10.1177/00219983211049290
12	Soykök İbrahim Fadıl, Taş Hamza, Özdemir Okan, Kandaş Halis, (2021) Effect of drop weight impact on the torsional-loading behavior of filament wound and prepreg-wrapped composite tubes, <i>Polymers & Polymer Composites</i> , 29/6/617-628/2021. DOI: 10.1177/0967391120930107
13	Kandaş Halis, Özdemir O, (2021) Çam.ve Meşe Palamudu Tozu Takviyeli Kompozitlerin Mekanik Özelliklerinin İncelenmesi, <i>Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi</i> , 23/67/147-155/2021 DOI:10.21205/deufmd.2021236713

14	Kandas H, Özdemir O, (2020) Influence of Preload Type on the Low Velocity Impact Response of Glass Fiber Reinforced Thermoplastic composites, International Polymer Processing,35/2/192-202/2020. DOI: 10.3139/217.3893
15	Okan Ozdemir, Nahit Oztoprak, Halis Kandas, (2018) Single and repeated impact behaviors of bio-sandwich structures consisting of thermoplastic face sheets and different balsa core thicknesses, Composites Part B: Engineering, 149/49-57/2018. DOI: 10.1016/j.compositesb.2018.05.016
16	Kandas H, Özdemir O, (2018) Cam Lifi Takviyeli Polipropilen Kompozitlerde Kalınlığın ve Sıcaklığın Darbe Davranışına Etkileri, Tekstil ve Mühendis, 25/110/103-112/2018. DOI: 10.7216/1300759920182511005

PROJECTS

1	Balıkesir Üniversitesi BAP Projesi (2020-2024) Project Subject: "Kavisli Sandviç Kompozitlerin Eğilme ve Düşük Hız Darbe Davranışlarının İncelenmesi"
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CONFERENCE PRESENTATIONS

1	Kandas H, Ozdemir O, "Quasi-static punch shear responses of glassepoxy composites reinforced with pinecone upon immersion in acidic & basic solutions", 7th International Students Science Congress, İzmir, 2023
2	Kandas H, Karakuzu R, "Compression after Impact Behavior of S2-Glass Reinforced Composite Plates at Low Temperatures", 7th International Students Science Congress, İzmir, 2023
3	Korkmaz, M., Kandaş, H., Korkmaz, M., Karakuzu, R., "Modeling the Tensile Properties of Flax Woven Reinforced Composite with Finite Element Method", 8. International Technical Textiles Congress, İzmir, 2022
4	Dogan A, Kandaş H, Ozdemir O, "The Effect of Different Acidic Aging Environments on the Mechanical Properties of Long Glass Fiber Reinforced Polypropylene Composites", 5th International Başkent Congress on Physical, Social and Health Sciences, Ankara, 2022
5	Kandaş H, Özdemir O, Dogan A, "Sandviç Kompozitlerin Yarı-Statik Penetrasyon Davranışlarına Yaşlanmanın Etkisi", 1st International Conference on Engineering and Applied Natural Sciences, Konya, 2022
6	Dogan A, Kandaş H, Özdemir O, "Quasi-Static Penetration Behaviors of Glass Fiber Reinforced Thermoplastic Composites", 3rd International Başkent Congress on Physical, Social and Health Sciences, Ankara, 2021
7	Melih KORKMAZ, Ramazan Karakuzu, Mehmet KORKMAZ, Halis KANDAŞ, "The Investigation of Mechanical Properties of Flax Woven Fabric Reinforced Polymer Composite Material", 5. International Istanbul Scientific Research Congress, İstanbul, 2021
8	Kandaş H, Özdemir O, "Investigation of Quasi-Static Punch-Shear Behavior of Acorn Powder Reinforced Composites Reinforced Composites", 5th International Students Science Congress, İzmir, 2021
9	Aidel Kadum Jassim Al-shamary, Kandaş H, Özdemir O, Karakuzu R, "Impact and Compression-After Impact Behaviors of Laminated composite Plates", 4th International Students Science Congress, İzmir, 2020
10	Sarıoğlu R, Karakuzu R, Kandaş H, "Effects of Crosshead Speed and Penetrator Shape on the Punch Shear Behaviors of Sandwich Composites", 4th International Students Science Congress, İzmir, 2020
11	Kıyık S, Karakuzu R, Kandaş H, "Compression-after Impact Behavior of Laminated Composites Plates", 4th International Students Science Congress, İzmir, 2020
12	Koksal D, Kandas H, Özdemir O, "Tekil Yapıştırılmış Termoplastik Kompozitlerin Çekme Dayanımlarının İncelenmesi", MAS International European Conference on Mathematics, Engineering, Natural&Medical Sciences, İzmir, 2019

13	Kandas H, Özdemir O, "Low Velocity Impact Response of Aluminum Honeycomb/Glass Fiber Reinforced Sandwich Structures", 3rd International Students Science Congress, İzmir, 2019
14	Kandas H, Özdemir O, "Impact Behavior of Glass Fiber Reinforced Polypropylene Composites with Different Preloads", IV. International Ege Composite Materials Symposium, İzmir, 2018

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	196
H-index (ISI Web of Science):	7

COURSES GIVEN

1	ME108 – Computer Aided Solid Modelling
2	ME201 – Statics
3	ME210 – Strength of Materials
4	ME211 – Statics and Strength of Materials
5	ME316 – Machine Elements