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PERSONAL

Date of Birth	1995
Place of Birth	Adana, Turkey

EDUCATION

2020-2023	Atılım University, Graduate School of Natural and Applied Sciences, Mechanical Engineering, **Ph.D.**
2018-2020	Atılım University, Graduate School of Natural and Applied Sciences, Manufacturing Engineering, **M.Sc**.
2013-2017	Çukurova University, Faculty of Engineering, Mechanical Engineering, **B.Sc.**

ACADEMIC POSITIONS

2024-	Atılım University, Department of Mechanical Engineering, **Assistant Professor**
2017-2024	Atılım University, Department of Manufacturing Engineering, **Research Assistant**

HONORS&AWARDS

1	Atılım University, Graduate Scholarship, Ph.D., 2020-2023
2	Atılım University, Graduate Scholarship, M.Sc., 2018-2020
3	Erasmus+ Academic Staff Scholarship, Université d'Orléans, France, 2019
4	Shell Eco-Marathon Turkey, Çukurova University Team, 2017, 1st Place
5	Alternative Energy Vehicle Races, Çukurova University Team, 2017, 1st Place

RESEARCH INTERESTS

1	Advanced Machining
2	Digital Manufacturing
3	Sustainable Manufacturing

PROFESSIONAL SERVICE

1	20th International Conference on Machine Design and Production, **Organizing Committee Member**, 2024
2	19th International Conference on Machine Design and Production, **Conference Secretary**, 2022
3	18th International Conference on Machine Design and Production, **Conference Secretary**, 2018

PUBLICATIONS

1	**Namlu, R.H.,** Lotfi, B., Kılıç, S.E., 2024, Enhancing machining efficiency of Ti-6Al-4V through multi-axial ultrasonic vibration-assisted machining and hybrid nanofluid minimum quantity lubrication, **Journal of Manufacturing Processes**, 119: 348-371. **(SCI-E)**
2	Erturun, Ö.F., Tekaüt, H., Çiçek, A., **Namlu, R.H.,** Lotfi, B., Kılıç, S.E., 2024, An experimental study on ultrasonic-assisted drilling of Inconel 718 under different cooling/lubrication conditions, **International Journal of Advanced Manufacturing Technology**, 130:665–682. **(SCI-E)**
3	Lotfi, B., **Namlu, R.H**., Kılıç, S.E., 2024, Machining performance and sustainability analysis of Al_2O_3-CuO hybrid nanofluid MQL application for milling of Ti-6Al-4V, **Machining Science and Technology**, 28/1: 29-73. **(SCI-E)**
4	**Namlu, R.H.,** Çetin, B., Lotfi, B., Kılıç, S.E., 2024, Investigation of the Combined Effects of Ultrasonic Vibration-Assisted Machining and Minimum Quantity Lubrication on Al7075-T6, **Journal of Engineering**, 2024:1-11. **(E-SCI)**
5	Koçak, B., Canbaz H.I., Zengin, N.N., Mumcuoglu, A.B., Aydın M.B., **Namlu, R.H.,** Lotfi, B., Kılıç, S.E., 2024, An experimental study of the effects of ultrasonic cavitation-assisted machining on Ti-6Al-4V, **International Journal of Machining and Machinability of Material**, 26/1:19-37. **(Scopus)**
6	**Namlu, R.H.,** Kılıç, Z.M., Lorain, R., Kılıç, S.E., 2023, Investigation of the effects of axial ultrasonic vibrations on chatter stability in milling with bull nose cutters, **Procedia CIRP**, 117:199-204. **(Scopus)**
7	**Namlu, R.H**., Lotfi, B., Kılıç, S.E., Yılmaz, O.D., Akar S., 2023, Combined use of ultrasonic-assisted drilling and minimum quantity lubrication for drilling of NiTi shape memory alloy, **Machining Science and Technology**, 27/4:325-349. **(SCI-E)**
8	**Namlu, R.H.,** Yılmaz, O.D., Lotfi, B., Kılıç, S.E., 2022, An experimental study on surface quality of Al6061-T6 in ultrasonic vibration-assisted milling with minimum quantity lubrication, **Procedia CIRP**, 108:311-316. **(Scopus)**
9	**Namlu, R.H**., Lotfi, B., Kılıç, S.E., 2021, An experimental investigation on the effects of combined application of ultrasonic assisted milling (UAM) and minimum quantity lubrication (MQL) on cutting forces and surface roughness of Ti-6AL-4V, **Machining Science and Technology**, 25/5:738-775. **(SCI-E)**
10	**Namlu, R.H**., Turhan, C., Sadigh, B.L., Kılıç, S.E., 2021, Cutting force prediction in ultrasonic-assisted milling of Ti–6Al–4V with different machining conditions using artificial neural network, **Artificial Intelligence for Engineering Design, Analysis and Manufacturing**, 35/1:37-48. **(SCI-E)**
11	**Namlu, R.H**., Sadigh, B.L. Vibration-Assisted Machining of Aerospace Materials. In: Kuşhan, M.C., Gürgen, S., Sofuoğlu, M.A. (eds) **Materials, Structures and Manufacturing for Aircraft**. Sustainable Aviation. Springer, Cham. 2022. (Book Chapter)

PROJECTS

1	**The Scientific and Technological Research Council of Turkey (TUBITAK), 1002-A,** Project No:22M381 - Investigation on The Effects of Multi-Axis Ultrasonic Vibration-Assisted Milling with Nanofluid Minimum Quantity Lubrication on Difficult-to-Cut Materials Used in Aerospace Industries, **Principal Investigator**, 2023-2024.
2	**Atılım University**, ATU-ADP-2021-05- Modeling, simulation and experimental investigation on multi-axis ultrasonic assisted machining operations with different cutting parameters in difficult to cut aerospace materials, Researcher, 2021-2022
3	**Atılım University**, ATU-BAD-1819-02- Investigation of Ultrasonic Assisted Machining (UAM) and Minimum Quantity Lubrication (MQL) methods in milling of difficult to cut materials, Researcher, 2018-2019.

CONFERENCE PRESENTATIONS

1	**Namlu, R.H.,** Lotfi, B., Kılıç, S.E. "Multi-axial ultrasonic vibration-assisted machining of Inconel 718 using Al_2O_3-CuO hybrid nanofluid MQL". **7th CIRP Conference on Surface Integrity (CSI),** Bremen, Germany, 2024
2	**Namlu R.H.,** Kavut K., Tom, H.G. "Enhancing Machining Efficiency and Sustainability of Ti-6Al-4V through Minimum Quantity Lubrication with Polymeric Ester Based Metalworking Fluids". **25th International Colloquium Tribology,** Esslingen, Germany, 2024.
3	**Namlu R.H.,** Kılıç, Z. M., Lorain R., Kılıç S.E. "Investigation of the effects of axial ultrasonic vibrations on chatter stability in milling with bull nose cutters". **19th CIRP Conference on Modeling of Machining Operations (CMMO)**, Karlsruhe, Germany, 2023
4	**Namlu R.H.,** Yılmaz O.D., Sadigh B.L., Kılıç S.E "An experimental study on surface quality of Al6061-T6 in ultrasonic vibration-assisted milling with minimum quantity lubrication". **6th CIRP Conference on Surface Integrity (CSI)**, Lyon, France, 2022
5	Enis, M.B., Yıldırımkaraman M., **Namlu R.H.,** Sadigh B.L., Kılıç S.E. "Ultrasonic Assisted Drilling on Precipitation Hardened Martensite Stainless Steel". **19th International Conference on Machine Design and Production**, Kapadokya, Turkey, 2022
6	**Namlu R.H.,** Çetin, B., Sadigh B.L., Kılıç S.E. "An Experimental Investigation of Aluminum Alloy with Ultrasonic Vibration Assisted Machining and Minimum Quantity Lubrication". **19th International Conference on Machine Design and Production**, Kapadokya, Turkey, 2022
7	**Namlu R.H.,** Yılmaz O.D., Sadigh B.L., Kılıç S.E. "An investigation on ultrasonic assisted drilling ofNi55.8Ti superalloy with MQL". **11th International Congress on Machining (UTIS),** Online, 2020
8	**Namlu, R.H.,** Yılmaz, O.D., Kılıç, S.E., Çetin, B. "Investigating the Effect of Cutting Conditions on Machining Performance of Al 6061-T6 Alloy". **10th International Congress on Machining (UTIS)**, Antalya, Turkey, 2019
9	**Namlu, R.H.,** Yılmaz, O.D., Şimşir, C. "Investigating the Effect of Milling Parameters on Residual Stresses of Ti-6Al-4V". **18th International Conference on Machine Design and Production**, Eskişehir, Turkey, 2018

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	**27** (Last Update:28/04/2024)
H-index (ISI Web of Science):	**3** (Last Update:28/04/2024)

COURSES GIVEN

1	ME108 – Computer Aided Solid Modelling
2	ME205 – Introduction to Manufacturing Processes

THESES SUPERVISED

1	Özgür Şenel, M.Sc., 2024-
2	Ertan Ataman, M.Sc., 2024-