

**IŞIK UNIVERSITY**  
**Mechanical Engineering Department**  
**Personnel Data Form**

A. PERSONAL		
Title	Assist. Prof. Dr.	
Name	Ali Taner KUZU	
Birth Place / Year	Çorlu / 1985	
e-Mail / Personal Web Site	<a href="mailto:alitaner.kuzu@isikun.edu.tr">alitaner.kuzu@isikun.edu.tr</a>	
Working Field(s)	Material Science, Manufacturing Processes, Modeling	
Foreign Language(s)	English	

B. EDUCATION			
Degree	Year	Subject	Institution
Doctorate	2017	Mechanical Engineering	Istanbul Technical University
Master of Science	2011	Manufacturing Engineering	Istanbul Technical University
Bachelor of Science	2008	Manufacturing Engineering	Istanbul Technical University
Associate	-	-	-

C. ACADEMIC		
Title	Year	Institution
Professor		
Associate Professor		
Assistant Professor	2020 -	Işık University, Mechanical Engineering
Lecturer		
Research Assistant	2009-2017	Istanbul Technical University, Mechanical Engineering

D. PROFESSIONAL EXPERIENCE	
a. Domestic	
2020 -	Işık University, Mechanical Engineering Department
2019 – 2020	Yeditepe University, Materials Science and Nanotechnology Engineering Department
2017 - 2019	Arçelik, Senior R&D Engineer
2009 - 2017	ITU Mechanical Engineering Department
b. Abroad	
2015-2016	University of Michigan, Visiting Scholar, Ann Arbor, USA
2012-2013	University of Michigan, Visiting Scholar, Ann Arbor, USA

E. ADMINISTRATIVE EXPERIENCE	
a. At Işık University	

<b>b. At Other Institutions/Companies</b>	

<b>F. INTERESTED SUBJECTS</b>
Manufacturing Processes
Modelling of Manufacturing Processes
Materials Science and Technology
Machine Design

<b>G. INSTRUCTED COURSES</b>	
<b>a. At Işık University</b>	<b>b. At Other Institutions</b>
MECH 2120 Computational Methods in Eng.	MSN 301 Materials Production Processes-I
MECH 2510 Materials Science	MSN302 Materials Production Processes-II
MECT 2520 Materials Science & Manufacturing	MSN 360 Polymer Science and Technology
MECH 3211 Machine Design I	MSN434 Automotive Materials Technologies
MECH 3222 Machine Design II	MSN 484 Surface Science and Engineering
MECH 4560 Advanced Manufacturing Processes	MSN 524 Surface Technologies and Functional Surfaces

<b>H. NUMBER OF SUPERVISED GRADUATE THESIS</b>	
<b>Master of Science</b>	3
<b>Doctorate</b>	1

<b>I. PUBLICATIONS</b>						
<b>Type</b>	<b>SCI-Expanded International Journal Papers</b>	<b>Other International Journal Papers</b>	<b>National Referred Journal Papers</b>	<b>International Symposium Papers</b>	<b>National Symposium Papers</b>	<b>Books / Chapters in Books (Translations Incl.)</b>
<b>Numbers</b>	14	2	1	27	4	2
<b>SCI-Expanded Total Number of Citations</b>	193					
<b>Important Publications</b>						
Tok, G., Dincer, A. T., <b>Kuzu, A. T.</b> , & Bakkal, M. (2025). Predictive modelling of surface roughness and residual stress induced by milling of hot forged and heat treated AA7075. The International Journal of Advanced Manufacturing Technology, 1-14.(						
Kösemen, E., Bakkal, M., & <b>Kuzu, A. T.</b> (2025). Enhancing Mechanical Performance of FDM-Printed ABS Parts Through Annealing Optimization. Polymer Engineering & Science						
Kara, M. E., <b>Kuzu, A. T.</b> , & Bakkal, M. (2024). Investigation of residual stresses induced by milling of compacted graphite iron by x-ray diffraction technique. Journal of Materials Engineering and Performance						
Yucel, A.H., Yilmaz, A., Bakkal, M. and <b>Kuzu, A.T.</b> , (2023). Tribo-corrosion behavior of electroplating, nitrocarburizing, and QPQ processes on barrel finishing. Materials Testing						
<b>Kuzu, A. T.</b> , Karaguzel, U., Erbay, B., & Bakkal, M. (2021). Effect of scanning strategies and laser parameters on metal-composite joining. Materials and Manufacturing Processes						
Wu, W., <b>Kuzu, A. T.</b> , Stephenson, D., Hong, J., Bakkal, M., & Shih, A. (2018). Dry and minimum quantity lubrication high-throughput drilling of compacted graphite iron. Machining Science and Technology						
<b>Kuzu, A. T.</b> , Bijenzad A, K. R., Elim, B. C., & Bakkal, M. (2017). The thermal modeling of deep-hole drilling process under MQL condition. Journal of Manufacturing Processes						

Bakkal, M., Serbest, E., Kariçin, İ., **Kuzu, A. T.**, Karagüzel, U., & Derin, B. (2015). An experimental study on grinding of Zr-based bulk metallic glass. *Advances in Manufacturing*

#### J. RESEARCH EXPERIENCE

Number of Projects	DPT Projects	TÜBİTAK Projects	SANTEZ Projects	BAP Projects	EU Projects	Other Projects
As Supervisor		1		3		
As Researcher		2		2		

#### K. REFERREING

Type	SCI Journals	Other Journals		Symposiums		R & D Projects		
		National	International	National	International	ARDEB	TEYDEB	International
Numbers	20	2			6	3	26	

#### L. INTELLECTUAL PROPERTIES

Patents	Utility Models	Industrial Designs	Other

#### M. PROFESSIONAL ASSOCIATION MEMBERSHIPS


#### N. OTHER USEFUL INFORMATION (if any)
