

IŞIK UNIVERSITY
Mechanical Engineering Department
Personnel Data

A. PERSONAL		
Title	Assist. Prof. Dr.	
Name	Ali Taner KUZU	
Birth Place and Year	Çorlu / 1985	
e-Mail / Personal Web Site	alitaner.kuzu@isikun.edu.tr	
Specialization Area	Material Science, Manufacturing Processes, Modeling	
Foreign Language	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	
Year	
a. Domestic	
2020 -	Işık University, Mechanical Engineering Department, Full-time Faculty
2019 – 2020	Yeditepe University, Materials Science and Nanotechnology Engineering Department, Full-time Faculty
2017 - 2019	Arçelik, Senior R&D Engineer
2009 - 2017	ITU Mechanical Engineering Department Research Assistant
b. Abroad	
2015-2016	University of Michigan, Visiting Scholar, Ann Arbor, USA
2012	University of Michigan, Visiting Scholar, Ann Arbor, USA

E. ADMINISTRATIVE EXPERIENCE	
Year	
a. At Işık University	

b. At other Institutions	

F. INDUSTRIAL EXPERIENCE		
Year	Company	Title
2017-2019	Arçelik	Senior R&D Engineer
-	-	-
-	-	-

G. INSTRUCTED COURSES	
a. At Işık University	b. At the Other Institutions
MECH 2120 Computational Methods in Engineering	MSN 211 Computational Materials Science
MECH 2510 Materials Science	MSN 301 Materials Production Processes-I
MECT 2520 Materials Science & Manufacturing	MSN302 Materials Production Processes-II
MECH 3211 Machine Design I	MSN 360 Polymer Science and Technology
MECH 3222 Machine Design II	MSN434 Automotive Materials Technologies
MECH 4560 Advanced Manufacturing Processes	MSN 484 Surface Science and Engineering
	MSN 524 Surface Technologies and Functional Surfaces

H. INTERESTED FIELDS
Manufacturing Processes
Modelling of Manufacturing Processes
Materials Science and Technology

I. NUMBER OF SUPERVISED GRADUATE THESIS	
Master of Science	3
Doctorate	-

J. PUBLICATIONS						
Type	SCI-Exp International Journal Papers	Other International Journal Papers	National Referred Journal Papers	International Symposium Papers	National Symposium Papers	Books / Chapters in Books (Translations Incl.)
Numbers	6	1	1	12	5	1
SCI-Exp Total Number of Citations			59			
Important Publications						
Kara, M. E., Kuzu, A. T. , & Bakkal, M. (2023). Investigation of Residual Stresses Induced by Milling of Compacted Graphite Iron by x-ray Diffraction Technique. Journal of Materials Engineering and Performance, 1-10.						
Yucel, A.H., Yilmaz, A., Bakkal, M. and Kuzu, A.T. , (2023). Tribo-corrosion behavior of electroplating, nitrocarburizing, and QPQ processes on barrel finishing. Materials Testing,.						
Kara, M. E., Kuzu, A. T. , & Bakkal, M. (2023). The development of a hybrid cutting model for workpiece temperature distribution via advection heat partition approach. The International Journal of Advanced Manufacturing Technology. 126(9). 4283-4295.						

Kuzu, A. T., Kösemen, E., Yücel, A.Y. & Bakkal, M. (2022). Analysis of mechanical behavior of thermoplastic composites, The International Journal of Materials and Engineering Technology, (5), 7-12.
Kuzu, A. T., Karaguzel, U., Erbay, B., & Bakkal, M. (2021). Effect of scanning strategies and laser parameters on metal-composite joining. Materials and Manufacturing Processes, 1-9.
Wu, W., Kuzu, A. T., 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, 1-19.
Kuzu, A. T., 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, (29), 194-203
Kuzu, A. T., and Bakkal, M. (2016). The effect of cutting parameters and tool geometry on machinability of cotton-fiber reinforced polymer composites: Cutting forces, burr formation, and chip morphology, Journal of Industrial Textiles, 45 (6), 1364-1382.
Kuzu, A. T., Berenji, K. R., & Bakkal, M. (2016). Thermal and force modeling of CGI drilling. The International Journal of Advanced Manufacturing Technology, 82 (9-12), 1649-1662.
Kuzu, A. T., Bijenzad A, K. R., & Bakkal, M. (2015). Experimental Investigations of Machinability in the Turning of Compacted Graphite Iron Using Minimum-Quantity Lubrication. Machining Science and Technology,19(4),559-576.
Bakkal, M., Serbest, E., Karipçin, İ., Kuzu, A. T., Karagüzel, U., & Derin, B. (2015). An experimental study on grinding of Zr-based bulk metallic glass. Advances in Manufacturing, 3 (4), 282-291.
Kuzu, A. T., & Bakkal, M. (2012). The effects of tool geometry on machinability of textile fabric reinforced thermoplastic matrix composites. Advanced Materials Research, 445, 841-846

K. RESEARCH EXPERIENCE

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

L. REFEREEING

	SCI-Exp Journals	Other Journals		Symposiums		R & D Projects		
		National	International	National	International	ARDEB	TEYDEB	International
Numbers	20	-	-	-	-	3	17	-

M. INTELLECTUAL PROPERTIES

Patents #	Utility Models #	Industrial Designs #	Other # (.....)
-	-	-	-

N. PROFFESIONAL ASSOCIATION MEMBERSHIPS
