


IŞIK UNIVERSITY
Mechanical Engineering Department
Personnel Data

A. PERSONAL		
Title	Assist. Prof. Dr.	
Name	Fatma Mutlu	
Birth Place and Year	Kırcaali 1986	
e-Mail / Personal Web Site	fatma.mutlu@isikun.edu.tr	
Specialization Area	Mechanical Engineering, Solid Mechanics, Fracture	
Foreign Language	English (e-YDS 2022/11: 93.75)	

B. EDUCATION			
Degree	Year	Subject	Institution
Doctorate	2023	Mechanical Engineering	Boğaziçi University
Master of Science	2016	Mechanical Engineering	Boğaziçi University
Bachelor of Science	2009	Mechanical Engineering	Firat University
Associate			

C. ACADEMIC		
Title	Year	Institution
Professor		
Associate Professor		
Assistant Professor	2024-	Işık University Department of Mechanical Engineering
Lecturer		
Research Assistant	2014-2023	Boğaziçi University Department of Mechanical Engineering

D. PROFESSIONAL EXPERIENCE	
Year	
a. Domestic	
2024-	Işık University Department of Mechanical Engineering Assistant Prof.
2014-2023	Boğaziçi University Department of Mechanical Engineering Research Assist.
b. Abroad	
2019-2020	University of Illinois at Urbana-Champaign, Department of Mechanical Science and Engineering, IL, USA Visiting Scholar

E. ADMINISTRATIVE EXPERIENCE	
a. At Işık University	

b. At other Institutions	

F. INDUSTRIAL EXPERIENCE		
Year	Company	Title

G. INSTRUCTED COURSES	
a. At Işık University	b. At the Other Institutions

H. INTERESTED FIELDS
Mechanical Engineering
Solid Mechanics
Shape Memory Alloys
Finite Elements
Fracture Mechanics
Digital Image Correlation (DIC)
Experimental Mechanics

I. NUMBER OF SUPERVISED GRADUATE THESIS	
Master of Science	
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	2	1		2		
SCI-Exp Total Number of Citations	6					
Important Publications						
Mutlu, F., Anlas, G. and Sehitoglu, H. Crack Initiation Angle in Single Crystal Shape Memory Alloys. Shap. Mem. Superelasticity 9, 427–436 (2023). DOI: 10.1007/s40830-023-00439-9						
Mutlu, F., G. Anlas, and H. Sehitoglu, The effect of micro-structural barriers on transient crack growth behavior in conial shape memory alloys, Smart Mater. Struct. 32, 095006 (2023). DOI: 10.1088/1361-665X/ace74d						
Mutlu, F., Anlas, G. and Moumni, Z. Effect of loading rate on fracture mechanics of NiTi SMA. Int J Fract 224, 151–165 (2020). DOI: 10.1007/s10704-020-00450-6						
Mutlu, F., G. Anlas, and H. Sehitoglu, "Crack initiation angle in notched conial shape memory alloys," Oral						

presentation, 12th European Symposium on Martensitic Transformations (ESOMAT), Ankara, TURKEY (2022).
Mutlu, F. and G. Anlas, "The effect of loading rate on mechanical behavior of edge-cracked niti," Oral Presentation, 11th European Symposium on Martensitic Transformations (ESOMAT), Metz, FRANCE (2018).

K. RESEARCH EXPERIENCE						
Number of Projects	DPT Projects	TÜBİTAK Projects	SANTEZ Projects	BAP Projects	EU Projects	Other Projects
As Supervisor						
As Researcher						

L. REFEREEING								
	SCI-Exp Journals	Other Journals		Symposiums		R & D Projects		
		National	International	National	International	ARDEB	TEYDEB	International
Numbers								

M. INTELLECTUAL PROPERTIES			
Patents #	Utility Models #	Industrial Designs #	Other # (.....)

N. PROFESSIONAL ASSOCIATION MEMBERSHIPS
Union of Chambers of Turkish Engineers and Architects – Chamber of Mechanical Engineers