

IŞIK UNIVERSITY
Mechanical Engineering Department
Personnel Data Form

A. PERSONAL		
Title	Research Assistant	
Name	Buğra Kaplan	
Birth Place / Year	İstanbul /1994	
e-Mail / Personal Web Site	bugra.kaplan@isikun.edu.tr / www.bugrakaplan.com	
Working Field(s)	Mechanical Engineering and Technology	
Foreign Language(s)	English	

B. EDUCATION			
Degree	Year	Subject	Institution
Doctorate	2023	Mechanical Engineering	Istanbul Technical University
Master of Science	2023	Mechanical Engineering	Istanbul Technical University
Bachelor of Science	2019	Civil Engineering	F.M.V. Işık University
Bachelor of Science	2018	Mechanical Engineering	F.M.V. Işık University

C. ACADEMIC		
Title	Year	Institution
Professor		
Associate Professor		
Assistant Professor		
Lecturer		
Research Assistant	2020 -	F.M.V. Işık University

D. PROFESSIONAL EXPERIENCE	
a. Domestic	
2020 -	F.M.V. Işık University Mechanical Engineering Department Research Assistant
2017 - 2019	F.M.V. Işık University Mechanical Engineering Department Student Assistant
b. Abroad	

E. ADMINISTRATIVE EXPERIENCE	
a. At Işık University	
b. At Other Institutions/Companies	

F. INTERESTED SUBJECTS
Fluid Mechanics and Advanced Fluid Dynamics
Heat Transfer Technologies
Renewable Energy Technologies
Machine Learning and Artificial Intelligent Technologies

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

H. NUMBER OF SUPERVISED GRADUATE THESIS	
Master of Science	
Doctorate	

I. PUBLICATIONS						
Type	SCI-Expanded International Journal Papers	Other International Journal Papers	National Referred Journal Papers	International Symposium Papers	National Symposium Papers	Books / Chapters in Books (Translations Incl.)
Numbers	3			5		
SCI-Expanded Total Number of Citations						
Important Publications						
Vascular Simulation and Hemodynamic Analysis						
Advanced Energy Regression & Optimization for Computational Analysis of Sustainable Turbines						
Heritage Energy Retrofit Analysis						
Oncology Classification and Analysis System						
Driving Efficiency Forecasting with Regression Models						
Subsonic Open-Circuit Wind Tunnel Design						
Vertical-Axis Wind Turbine Design						
IoT-Integrated Drone Design for Smart Agriculture						

J. RESEARCH EXPERIENCE						
Number of Projects	DPT Projects	TÜBİTAK Projects	SANTEZ Projects	BAP Projects	EU Projects	Other Projects
As Supervisor						
As Researcher		1				

K. REFERREING							
Type	SCI Journals	Other Journals		Symposiums		R & D Projects	
		National	International	National	International	ARDEB	TEYDEB
Numbers							

L. INTELLECTUAL PROPERTIES			
Patents	Utility Models	Industrial Designs	Other

M. PROFESSIONAL ASSOCIATION MEMBERSHIPS
TMMOB Turkish Chamber of Mechanical Engineers
TMMOB Turkish Chamber of Civil Engineers

N. OTHER USEFUL INFORMATION (if any)