

IŞIK UNIVERSITY
Mechanical Engineering Department
Personnel Data Form

A. PERSONAL		
Title	Prof.Dr.	
Name	Volkan Günay	
Birth Place / Year	1960 / Velimeşe-Çorlu	
e-Mail / Personal Web Site	volkan.gunay@isikun.edu.tr	
Working Field(s)	Materials Science and Engineering	
Foreign Language(s)	English	

B. EDUCATION			
Degree	Year	Subject	Institution
Doctorate	1990	Materials	Sheffield University/England
Master of Science	1985	Ceramic Materials	Sheffield University/England
Bachelor of Science	1983	Metallurgical Engineering	İstanbul Technical University
Associate			

C. ACADEMIC		
Title	Year	Institution
Professor	2012	Kocaeli University
Associate Professor	1995	İstanbul Technical University
Assistant Professor	1991	İstanbul Technical University
Lecturer		
Research Assistant		

D. PROFESSIONAL EXPERIENCE	
a. Domestic	
Istanbul technical University (İTÜ)	Asst.Prof. and Assos. Prof.
Turkish Glasswork (Şişecam)	R and D Engineer and Director of Research and Development
TÜBİTAK-MRC	Consultant and Senior Researcher
Yeditepe University	Lecturer (Prof.Dr.)
b. Abroad	
1989-1991	University of Limerick / Ireland (Postdoctoral Research Fellow)

E. ADMINISTRATIVE EXPERIENCE	
a. At Işık University	
2022-2025	Vice Rector
2022-2025	Manager of Postgraduate School
2023-2025	Manager of Technology Transfer Office

b. At Other Institutions/Companies	
Dean of Faculty of Engineering and Architecture	Fenerbahçe University
Head of Department	Yeditepe University
Director of R and D	Turkish Glasswork Research and Development Centre
Vice Manager	TÜBİTAK-MRC, Materials Institute
R & D Manager	Işıklar Holding

F. INTERESTED SUBJECTS
Metallurgical and Materials Engineering
Materials Science and Production Technologies (Ceramics, Glasses and Sol-Gel Technology)
Composite Materials
Thin Films and Coating Technologies

G. INSTRUCTED COURSES	
a. At Işık University	b. At Other Institutions
Materials Science	Materials Science in Dentistry, Yeditepe Üniversitesi, Diş Hekimliği, 2017, 2018, 2019,2020
Materials Selection in Design	Int. to Materials Science and Nanotechnology Engineering, Yeditepe Üniversitesi, 2016, 2017, 2018, 2019, 2020
Composite Materials	Building Materials, Yeditepe Üniversitesi, 2017, 2018
Materials and Production Techniques	Building Physic, Yeditepe Üniversitesi, 2018, 2019
	Materials Science-I, Yeditepe Üniversitesi, 2017, 2018
	Materials Production Processes-I, Yeditepe Üniversitesi, 2018
	Materials Production Processes-II, Yeditepe Üniversitesi, 2019
	Building Materials and Physic, 2019,2020,2021
	Principles of Materials Selection and Design in Engineering Applications, Yeditepe Üniversitesi, 2019, 2020, 2021
	Biomaterials, Yeditepe Üniversitesi, 2019, 2020, 2021
	Biomaterials and Biocompatibility, Graduate, Yeditepe Üniversitesi, 2020, 2021
	Fundamentals of Materials Science, Graduate, Yeditepe Üniversitesi, 2019, 2020, 2021
	Material Cognisance (Malzeme Bilgileri), Yeditepe Üniversitesi, 2021
	Teknoloji Yönetimi, Fenerbahçe Üniversitesi, 2022
	Girişimcilik ve İnovasyon, Fenerbahçe Üniversitesi, 2022

H. NUMBER OF SUPERVISED GRADUATE THESIS	
Master of Science	14
Doctorate	8

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	34	11	16	82	37	3
SCI-Expanded Total Number of Citations				847 (h Index:16)		
Important Publications						
37- YM.26) M.O. Bora, O. Coban, T. Sinmazcelik, V. Gunay , "Effect of fiber orientation on scratch resistance in unidirectional Carbon-fiber-reinforced polymer matrix composites", J. of Reinforced Plastics and Composites, Vol. 29, No:10, (2010), 1476-1490. SCI						
30-UAB.34)S. Kirtay, E. Oktay, G.G. Avci, V. Gunay , "Strengthening of SLS glasses by hybrid ormosil coatings", Key Engineering Materials, Vols:264-268, (2004), pp:419-422, Trans Tech Publ., Switzerland SCI						
38- YM.27) H.O. Gulsoy, S. Ozbek, V. Gunay , T. Baykara, "Mechanical properties of powder injection molded Ni-based superalloys", Advanced Materials Research, Volume:278 (2011), pp:289-294, Trans Tech Publications, Switzerland. SCI						
29-UAB.33)E.D. Sam, M. Urgan, F.Z. Tepehan, V. Gunay , "Self cleaning photoactive TiO ₂ coatings on SLS glasses by sol-gel dip coating", Key Engineering Materials, Vols:264-268, (2004), pp:407-410, Trans Tech Publ., Switzerland, SCI						
39- YM.28) E.B. Yalçın, V. Günay , M. Marşoğlu, "Impact behaviour of composite materials by using low and highspeed impact tests", Advanced Materials Research, Vol. 445, (2012), pp.189-194, Trans Tech Publications. Switzerland. SCI						
9-YM.11)B. Ersoy, V. Gunay , "Effects of La ₂ O ₃ addition on the thermal stability of γ -Al ₂ O ₃ gels", Ceramics International, 30, (2004), 163-170. SCI						
40- YM.29) H. O. Gulsoy, V. Gunay , T. Baykara, R. German, "Injection molding of mechanically alloyed Ti-Fe-Zr powder", Materials Transactions, Vol. 53, No:6, pp:1100-1105, (2012). SCI						
4-YM.5) J. Smid, G.G. Avci, V. Günay , R. Terpstra, J.P.G.M. Van Eijk, "Preparation and Characterization of Microporous Ceramic Hollow Fibre Membranes", J of Membrane Sciences, 112(1996), 85-90. SCI						
41- YM.30) P.E. Türk, O. Geçkili, Y. Türk, V. Günay , T. Bilgin, "In Vitro Comparison of the Retentive Properties of Ball and Locator Attachments for Implant Overdentures", International Journal of Oral&Maxillofacial Implants, 29 (5), 1106-1113, Sep-Oct 2014. SCI						
45-YM.34) Tarık Baykara, Volkan Günay , Alparslan Demirural, "Structural Evolution and Microstructural Features of the Hydrodynamically Penetrating Copper Jet of a Shaped Charge", Journal of Materials Engineering and Performance, Volume 30(3) March 2021, pp:1862-1871. SCI-Exp						

J. RESEARCH EXPERIENCE						
Number of Projects	DPT Projects	TÜBİTAK Projects	SANTEZ Projects	BAP Projects	EU Projects	Other Projects
As Supervisor	1	6		4		6
As Researcher	4	7			1	20

K. REFERREING								
Type	SCI Journals	Other Journals		Symposiums		R & D Projects		
		National	International	National	International	ARDEB	TEYDEB	International
Numbers	12	2					30	

L. INTELLECTUAL PROPERTIES			
Patents	Utility Models	Industrial Designs	Other

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M. PROFESSIONAL ASSOCIATION MEMBERSHIPS

TMMOB-Metalurji ve Malzeme Mühendisleri Odası

Türk Seramik Derneği

TÜYİDER (Yüzey İşlemleri Derneği)

N. OTHER USEFUL INFORMATION (if any)