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PERSONAL

Date of Birth	1971
Place of Birth	Ankara

EDUCATION

2006	Stevens Institute of Technology, Materials Engineering, Ph.D.
1998	Middle East Technical University, Polymer Science and Technology (PST), M.S.
1993	Middle East Technical University (METU), Metallurgical Engineering, B.S.

ACADEMIC POSITIONS

April 2009-	Asst. Professor, Department of Manufacturing Engineering, Atılım University, Turkey
2008	PostDoc, Middle East Technical University, Turkey

ADMINISTRATIVE DUTIES

2010-2012	Bologna Coordinator, Department of Manufacturing Engineering, Atılım University, Turkey
2012-2018	MUDEK Coordinator, Department of Manufacturing Engineering, Atılım University, Turkey
2010-2022	ERASMUS Coordinator, Department of Manufacturing Engineering, Atılım University, Turkey
2012-2017	Asst. Prof. Representative

HONORS&AWARDS

1	Distinguished Teaching Asst. Award, 2004, Stevens Institute of Technology
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RESEARCH INTERESTS

1	Polymer Physics
2	Smart bio-active surfaces, interfaces, nanocontainers, protein engineering
3	Polymer composites, polymer concretes, Polymer blends, Liquid crystalline polymers
4	Liquid crystalline fibers, Natural fibers, Carbon, polyester fibers
5	Fiber-reinforced composites
6	Material Characterization

PUBLICATIONS

1	Çağlar CEYLAN, Bahtiyar DURAN, Osman KOÇYİĞİT, Cem KOÇER, Berkay DOĞAN, Tuğçe HACALOĞLU, Cemal Merih ŞENGÖNÜL, Bilgin KAFTANOĞLU, " Havacılık Endüstrisinde Kullanılmak Üzere Alüminyum Malzemelerin Korozyon Direncinin Arttırılması Amacıyla Yüzey Kaplaması Geliştirilmesi ", <i>Makine Tasarım ve İmalat Dergisi, Vol 19, Issue 2, 96-105</i>
2	Şengönül M., Durgun İ., Dökmetaş N., Kalkan H., Kaftanoğlu B., " Bor Nitrür Kaplamaların, Metal Aparatlarının Yüzeylerine Kaynak Çapaklarının Yapışma Davranışlarına Etkisi "- <i>Makina Tasarım ve İmalat Dergisi MATİM, Cilt 14, Sayı 1, 23-30, Mayıs 2016</i>
3	Arzu Zeynep Biçer, Arife Doğan, Orhan Murat Doğan, Merih Cemal Sengonul, Zafer Artvin, " Influence of Surface Finish on Flexural Strength and Microhardness of Indirect Resin Composites and the Effect of Thermal Cycling ", <i>Journal of Adhesion, 88:224–242, 2012</i>
4	Uzunoglu E; Derici, K ; Biriken, D ; Kaftanoglu, B; Sengonul M " Antibacterial activity of cubic boron nitride (cBN) coatings on stainless steel grade 316 (316L) ", ABSTRACTS OF PAPERS OF THE ACS, Volume: 240 Meeting Abstract: 256-COLL Published: AUG 22 2010
5	Sengonul, M., A. Sousa, M. Libera, " Selective Adsorption of Surface-Modified Ferritin on a Phase-Separated Polymer Blend ", <i>Colloids and Surfaces B –Biointerfaces, 73, pp152-155, October 2009.</i>

PROJECTS

1	Investigation of antibacterial behavior of cubic boron nitride coated 316 L steel surfaces: Atılım- BAP-B- 1112-01, Budget: \$ 50,000, 2011, Project Coordinator
2	Raylı Sistem Araçlarında Kullanılan K Tipi Kompozit Fren Pabucu ve Kompozit Disk Balatasının Yerli Olarak Geliştirilmesi ve Seri Üretimi, 1007- TCDD-2018-01, KAMAG 118G031, Budget: 1,000,000 TL September, 2019- 2022, Researcher
3	Investigation of cationic peptide Lactoferricin B conjugated silicone rubber surfaces against biofilm formation: TUBITAK 1002, 213M559, Budget: \$ 15,000, 2014-2015, Project Coordinator
4	Thermoplastic and Elastomer Crushing Machine for Recycling: Undergraduate Research Project, Tubitak Bidep 2242, Budget: \$ 1000, 2018-2019, <i>awarded by being #3 in University Projects, Technofest İstanbul, Turkey, 2019</i> , Project Coordinator
5	Design Optimization and Calibration of Melt Flow Indexer for rheological characterization of sulphur based polymers: Undergraduate Research Project, Atılım-LAP-1819-07, Budget: 20000 TL, 2018-2019, Project Coordinator
6	Design and Manufacture of a Roller Bending Machine with Adjustable Dies: Undergraduate Research Project, Tübitak Bidep 2242, Budget: \$ 1000, 2018-2019, <i>awarded by being #3 in TUBİTAK 2242-University Students Research Projects Competition , Ankara, Turkey, June 2019</i> , Project Coordinator
7	Investigation of mechanical behavior of hollow cardboard cylindrical composite structures with various polygonal x-sections under axial compression: Undergraduate Research Project ATILIM-LAP C 1718-02/TOFAŞ, Bütçe: 13000 TL, 2017-2018, Project Coordinator
8	Design and manufacture of Filament Winding Instrument: Undergraduate Research Project, Atılım-LAP-A 1617-07 /TOFAS, 2017 Budget: 9000 TL, 2016-2017, Project Coordinator

9	Cardboard Bicycle (Karton Bisiklet): Undergraduate Research Project, Atılım-LAP-C- 1516-06, 2015-2016 Budget: \$ 3000, Project Coordinator
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CONFERENCE PRESENTATIONS

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	60
H-index (ISI Web of Science):	

COURSES GIVEN

1	MFGE (ME) 205 Manufacturing Processes (Atılım University, Manufacturing and Mechanical Eng.)
2	MFGE 316 - ME 416 Metal Casting and Powder Metallurgy (Atılım University, Manufacturing and Mechanical Eng.)
3	MFGE 432-ME 421 Polymer Processing (Atılım University, Manufacturing and Mechanical Eng)
4	ME 422 Statistical Analysis and Instrumentation (Atılım University, Manufacturing and Mechanical Eng)
5	MFGE 481 Nanofabrication (Atılım University, Manufacturing Eng)
6	MFGE 561 Surfaces, Interfaces and their Processing Operations (Atılım University, Manufacturing Eng.)
7	MATE 320 Engineering Materials (Atılım University, Metallurgy and Materials Eng.)
8	MFGE (ME) 401-402 Capstone Project (Atılım University, Manufacturing and Mechanical Eng)
9	E-321 Engineering Design Lab: Materials (Stevens Institute of Technology, Materials Eng)
10	BME 451 Polymeric Materials (Ankara University, Biomedical Engineering)

THESES SUPERVISED

1	MS Thesis, Supervisor, DEVELOPMENT AND INVESTIGATION OF INORGANIC AND ORGANIC SMART SURFACES FOR ANTI-BIOFOULING APPLICATIONS, Atılım University, 2014, Ankara, Turkey.
2	MS Thesis, Supervisor, PREDICTION OF TENSILE MECHANICAL PROPERTIES OF TIN-BISMUTH ALLOYS BY VICKERS HARDNESS TEST, Atılım University, 2018, Ankara, Turkey
3	MS Thesis, Supervisor, PREDICTION OF HOT FORMING PARAMETERS OF A LOW MELTING POINT ALLOY BY USING HARDNESS TEST, Atılım University, 2020, Ankara, Turkey
4	MS Thesis, Co-supervisor, INFLUENCE OF WASTE FOUNDRY SAND (WFS) AND RICE HUSK ASH (RHA) ON THE MECHANICAL PROPERTIES OF POLYMER CONCRETE, Atılım University, 2019, Ankara, Turkey.
5	Ph.D Thesis, Co-supervisor, THREE-DIMENSIONAL (3D) PRINTING OF BIOPOLYMERS FROM AGRICULTURAL WASTES, METU, Ankara, Turkey
6	MS Thesis, Co-supervisor, SHEAR BOND TESTING OF POLYMER CONCRETE REPAIRS, Atılım University, 2018, Ankara, Turkey
7	MS Thesis, Co-supervisor, INVESTIGATION ON THE MECHANICAL BEHAVIOUR OF POLYMER CONCRETE FILLED ALUMINUM TUBES, 2021, Atılım University, Ankara, Turkey

