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PERSONAL

Date of Birth	17 January 1984
Place of Birth	Ankara

EDUCATION

2010 – 2019	Hacettepe University, Institute for Graduate Studies in Science and Engineering, Bioengineering Division, Ph.D. (Integrated)
2002 – 2006	Dokuz Eylül University, Engineering Faculty, Department of Metallurgical and Materials Engineering, B.S.

ACADEMIC POSITIONS

October 2019 –	Assistant Professor, Atılım University, Department of Metallurgical and Materials Engineering, Ankara/TURKEY
November 2007 – October 2019	Research Assistant, Atılım University, Department of Metallurgical and Materials Engineering, Ankara/TURKEY

ADMINISTRATIVE DUTIES

October 2019 –	CO-OP (Cooperative Education) Program Coordinator, Atılım University, Department of Metallurgical and Materials Engineering, Ankara/TURKEY
October 2019 –	Internship Coordinator, Atılım University, Department of Metallurgical and Materials Engineering, Ankara/TURKEY

RESEARCH EXPERIENCE

1	Biomaterials
2	Polymer Composite Materials
3	Electrospinning
4	Plasma Surface Modification
5	Implants and Tissue Scaffolds
6	Surface Characterization of Materials
7	Animal Cell Culture
8	Bacteria Culture

RESEARCH INTERESTS

1	Atomistic Modeling and Molecular Dynamics Simulations of Materials
2	Structural and Functional Composites
3	Rapid Prototyping and Additive Manufacturing of Materials
4	Biomimetics/Biomimicry
5	Biosensors

PROFESSIONAL SERVICE

1	Secretary of Executive Council of ModTech (Modern Technologies in Industrial Engineering) Professional Association (Iasi, Romania) Turkey Branch, April 2017-.
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PUBLICATIONS

1	Ozan Ozkan , Hilal Turkoglu Sasmazel and Erhan Biskin, Development of Electrospun WE43 Magnesium Alloy-Like Compound, Journal of Nanoscience and Nanotechnology, 20, 1–13, DOI: 10.1166/jnn.2020.17881, 2020.
2	Aysenur Topsakal, Nazmi Ekren, Osman Kilic, Faik N. Oktar, Mahir Mahirogullari, Ozan Ozkan , Hilal Turkoglu Sasmazel, Iuliana M. Bogdan, George E. Stan, Oguzhan Gunduz, Synthesis and Characterization of Drug Loaded β -Tri Calcium Phosphate Powders for Bone Engineering Applications, Journal of Materials Science: Materials in Medicine, 31 (16), 1-17, DOI: 10.1007/s10856-019-6356-1, 2020.
3	Aysenur Topsakal, Muhammet Uzun, Gaye Ugar, Aslihan Ozcan, Esra Altun, F. Nuzhet Oktar, Fakhra Ikram, Ozan Ozkan , Hilal Turkoglu Sasmazel, Oguzhan Gunduz, Development of Amoxicillin Loaded Electrospun Polyurethane/Chitosan/ β -Tricalcium Phosphate Scaffold for Bone Tissue Regeneration, IEEE Transactions on NanoBioscience, 17 (3), 321-328, DOI: 10.1109/TNB.2018.2844870, 2018.
4	Ozan Ozkan , Hilal Turkoglu Sasmazel, Dielectric barrier discharge and jet type plasma surface modifications of hybrid polymeric poly (epsilon-caprolactone)/chitosan scaffolds, Journal of Biomaterials Applications, 32 (9), 1300-1313, DOI: 10.1177/0885328218755571, 2018.
5	Ozan Ozkan , Hilal Turkoglu Sasmazel, Antibacterial Performance of PCL-Chitosan Core-Shell Scaffolds, Journal of Nanoscience and Nanotechnology, 18 (4), 2415–2421, DOI: 10.1166/jnn.2018.14378, 2018.
6	Ozan Ozkan , Hilal Turkoglu Sasmazel, Hybrid Polymeric Scaffolds Prepared by Micro and Macro Approaches, International Journal of Polymeric Materials and Polymeric Biomaterials, 66 (16), 853-860, DOI: 10.1080/00914037.2016.1278218, 2017.
7	Ozan Ozkan , Hilal Turkoglu Sasmazel, Effects of Nozzle Type Atmospheric Dry Air Plasma on L929 Fibroblast Cells Hybrid Poly(ϵ -caprolactone)/Chitosan/Poly(ϵ -caprolactone) Scaffolds Interactions, Journal of Bioscience and Bioengineering, 122(2), 232-239, DOI: 10.1016/j.jbiosc.2016.01.004, 2016.
8	Hilal Turkoglu Sasmazel, Ozan Ozkan , Hybrid PCL/Chitosan Scaffolds with Micro and Macro Porosity”, Biological Systems: Open Access, 5:2 (Suppl), 30, DOI: 10.4172/2329-6577.C1.005, 2016.

9	Hilal Turkoglu Sasmazel, Ozan Ozkan , Advances in Electrospinning of Nanofibers and Their Biomedical Applications, Review, Current Tissue Engineering, 2(2), 91-108, DOI: 10.2174/22115420113029990007, 2013.
10	Hilal Turkoglu Sasmazel, Ozan Ozkan Nezh Eren Mumcu, Dünden Bugüne Protezler, Bilim ve Teknik, 47(552), 62-65, Kasım 2013.
11	Hilal Turkoglu Sasmazel, Ozan Ozkan , Ali Evren Haydardedeoglu, Elektroegirme: "Sıvıyı İpliğe Dönüştürme Sanatı" ve Biyotıp Eserleri, Bilim ve Teknik, 46(539), 80-82, Ekim 2012.
12	Hilal Turkoglu Sasmazel, Ozan Ozkan , Plazma Prosesi ve Biyotıp Uygulamaları, Bilim ve Teknik, 44(515), 52-54, Ekim 2010.

PROJECTS

1	Hilal Turkoglu Sasmazel, Ozan Ozkan , Development of Electrospun Magnesium Alloy for Nerve Guidance Conduit Applications, TUBITAK-1001, November 2017 – November 2019, (Scholarship Student).
2	Hilal Turkoglu Sasmazel, Ali Kara, Ozan Ozkan , Mevcut Altyapı İle Polimer-Seramik Taban Mazlemelerinin Geliştirilmesi Ve Temel RF Bileşen Tasarımı-Deneysel Geliştirme, ATÜ-LAP-C-1415-01, December 2014-September 2015, (Project Co-advisor).
3	Hilal Turkoglu Sasmazel, Ozan Ozkan , Atmospheric Pressure Plasma Modification and In Vitro Cell Culture Applications of Layer by Layer, Hybrid PCL/Chitosan/PCL Biomaterials/Tissue Scaffolds, TUBITAK-COST Project (2515), Action No: MP 1101, Action Title: Biomedical Applications of Atmospheric Pressure Plasma Technology, August 2012-October 2014, (Scholarship Student).
4	Hilal Turkoglu Sasmazel, Ozan Ozkan , Polymer/Composite Biomaterials Biocompatibility Research Laboratory, Atılım University ALP Programme, ATU-ALP-1011-03, January 2011-February 2014, (Scholarship Student).

CONFERENCE PRESENTATIONS

1	Hilal Turkoglu Sasmazel*, Ozan Ozkan , Seda Surucu, "Fibroblast Compatibility of Core-Shell Coaxially Electrospun Hybrid Poly(ϵ -caprolactone)/Chitosan Scaffolds", ICBHB 2018 : 20th International Conference on Biocomposites and Hybrid Biomaterials, August 27-28, 2018, Paris, France (*Oral Presentation).
2	Hilal Turkoglu Sasmazel*, Ozan Ozkan , "Hybrid PCL/Chitosan Scaffolds with Micro and Macro Porosity", 4th International Conference on Integrative Biology, July 18-20, 2016, Berlin, Germany (*Invited Speaker).
3	Seda Surucu, Hilal Turkoglu Sasmazel*, Ozan Ozkan , "DBD (Dielectric Barrier Discharge) Plasma Surface Modifications of Polymeric Hybrid Scaffolds and Pretests of Their Potential Tissue Engineering Applications", COST Action MP1206, "Electrospun Nanofibers for Bio Inspired Composite Materials and Innovative Industrial Applications", BEMA (Biomedical Electrospun Materials&Applications) Workshop, 2014, Mulhouse, France (*Invited Speaker).
4	Seda Surucu*, Guiseppe Camporeale, Ozan Ozkan , Roberto Gristina, Fabio Palumbo, Hilal Turkoglu Sasmazel, Pietro Favia, "Modification and Functionalization of Biodegradable Polymeric Tissue Scaffolds", International Biomedical Science and Technology Symposium, August, 2014, Muğla, Turkey. (*Poster Presentation).

5	Ozan Ozkan* , Hilal Turkoglu Sasmazel, “Dielectric Barrier Discharge (DBD) and Nozzle Type Plasma Modifications of Polymer Based Biomaterials”, 20th International Biomedical Science and Technology Symposium, August, 2014, Muğla, Turkey (*Poster Presentation).
6	Ozan Ozkan , Hilal Turkoglu Sasmazel*, “Dry Modifications of PCL/Chitosan/PCL Tissue Scaffolds”, International Conference on Bioinformatics and Biomedical Engineering, World Academy of Science, Engineering and Technology (WASET), June, 2014, London, UK (*Poster Presentation).

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	15
H-index (ISI Web of Science):	3

COURSES GIVEN

1	MDES 600 – Research Methodology and Communication Skills, Atılım University (M.S. and Ph.D. Level Course)
2	MATE 301 – Fundamentals and Applications of Mechanical Shaping, Atılım University (B.S. Level Course)
3	MATE 207 – Introduction to Materials Engineering, Atılım University (B.S. Level Course)
4	MATE 202 – Mechanical Behavior and Testing of Materials, Atılım University (B.S. Level Course)