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PERSONAL

Date of Birth	1976
Place of Birth	Sarıkaya

EDUCATION

2001-2007	Hacettepe University, Bioengineering, Ph.D.
2005-2006	Wisconsin/Madison University, Biological Systems Engineering/Plasma-Aided Manufacturing Unit, Visiting Research Scholar
1998-2001	Hacettepe University, Bioengineering, M.S.
1994-1998	Hacettepe University, Chemical Engineering, B.S.

ACADEMIC POSITIONS

January/2014	Assoc. Prof. Dr., Department of Metallurgical and Materials Engineering, Atılım University, Turkey
September/2007- January/2014	Asst. Prof. Dr., Department of Metallurgical and Materials Engineering, Atılım University, Turkey
September/2000- September/2007	Res. Asst., Institute of Graduate Studies In Science and Technology Hacettepe University, Turkey

ADMINISTRATIVE DUTIES

April/2017	Turkey Branch President of Executive Council of ModTech (Modern Technologies in Industrial Engineering) Professional Association Iasi, Romania
September/2008-	Student Society of Metallurgical and Materials Engineering, Atılım University
September/2010-	Student Society of Argentina Tango Dance, Atılım University

HONORS&AWARDS

1	Plenary Session Award, ModTech 2013 (International Conference in Industrial engineering)/Romania, 2013
2	Young Women in Science (in Materials Science) Award (The Turkish Academy of Science/LOREAL), TUBA/LOREAL, 2009
3	TUBITAK-2211 Doctoral Scholarship, TUBITAK, 2001-2005
4	TUBITAK-2214 Research Scholarship, TUBITAK, 2005-2006

RESEARCH INTERESTS

1	Biomaterials
2	Nanomaterials,
3	Polymeric and Composite Materials
4	Electrospinning
5	Low Pressure and Atmospheric Pressure Plasma Surface Modifications
6	Surface Modifications and Characterizations of Materials by Wet Chemistry
7	Tissue Engineering
8	Cell Culture

PROFESSIONAL SERVICE

1	World Journal of Nanoscience and Nanotechnology, Editorial Board Member, July 2018-.
2	World Journal of Tissue Engineering and Regenerative Medicine, Editorial Board Member, July 2018-.
3	SM Journal of Polymer Science, Editorial Board Member, September 2017-.
4	Scientific Committee and Editorial Review Board Member of Executive Council of ModTech (Modern Technologies in Industrial Engineering) Professional Association Iasi, Romania, April 2017-.
5	Eglenceli Bilim, Atilim University Popular Science Journal, Editorial Board Member, October 2016-.
6	Scientific Committee and Editorial Review Board Member of Biomedical and Biological Engineering Conferences of World Academy of Science, Engineering and Technology (WASET), November 2015-.
7	Scientific Committee Member of Bioengineering and Materials and Metallurgical Engineering Conferences of DAKAM (Eastern Mediterian Academic Research Center), May 2015,-.
8	Management Committee Member and Representative of Turkey in European Cooperation in Science and Technology (COST) Framework Action No: FP 1405, Action Title: Active and intelligent fibre-based packaging - innovation and market introduction (ActInPak), 2015-2019.
9	Journal of Biomedical Engineering and Biosciences (JBEB), Associate Editor, Editorial Board Member, December 2014-.
10	Management Committee Substitute Member and Representative of Turkey in European Cooperation in Science and Technology (COST) Framework Action No: MP 1206, Action Title: Electrospun Nano-fibres for Bio Inspired Composite Materials and Innovative Industrial Applications, 2013-2017.
11	Management Committee Member and Representative of Turkey in European Cooperation in Science and Technology (COST) Framework Action No: MP 1101, Action Title: Biomedical Applications of Atmospheric Pressure Plasma Technology, 2011-2015.
12	Founding Member, Atilim University, Robotic Technologies Research and Application Center (ROTAM), 2010-.
13	Member, Serbian Materials Engineering Society, 2010-.
14	Founding Member, Atilim University, Animal Experiments Local Ethical Board, 2008-.
15	Founding Member, Biomedtek Society, 2007-.

16	Member, Turkish Biochemistry Society, 2004-.
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PUBLICATIONS

1	Adriane Cherpinski, Melike Gozutok, Hilal Sasmazel, Sergio Torres, Jose Lagaron, Electrospun Oxygen Scavenging Films of Poly(3-hydroxybutyrate) Containing Palladium Nanoparticles for Active Packaging Applications, <i>Nanomaterials: Special Issue "Nanomaterials to Enhance Food Quality, Safety, and Health Impact"</i> , 8(7), 469, https://doi.org/10.3390/nano8070469 , 2018.
2	Gozutok, M., Veera Sadhu, Turkoglu Sasmazel, H., Development of PVA/rGO Electrospun Mats, <i>Journal of Nanoscience and Nanotechnology</i> , 18, 1-7, DOI: 10.1166/jnn.2018.16290, 2018.
3	Aysenur Topsakal, Muhammet Uzun, Gaye Ugar, Aslihan Ozcan, Esra Altun, F. Nuzhet Oktar, Fakhera Ikram, Ozan Ozkan, Hilal Turkoglu Sasmazel, Oguzhan Gunduz, Development of Amoxicillin Loaded Electrospun Polyurethane/Chitosan/ β -Tricalcium Phosphate Scaffold for Bone Tissue Regeneration, <i>IEEE Transactions on NanoBioscience</i> , DOI: 10.1109/TNB.2018.2844870, 2018 (Early Access).
4	Ozan Ozkan, Hilal T. Sasmazel, Dielectric barrier discharge and jet type plasma surface modifications of hybrid polymeric poly (ϵ -caprolactone)/chitosan scaffolds, <i>Journal of Biomaterials Applications</i> , 32 (9), 1300-1313, DOI: 10.1177/0885328218755571, 2018.
5	Gozutok, M., Basar, A.O., Turkoglu Sasmazel, H., Development of Antibacterial Composite Electrospun Chitosan-Coated Polypropylene Materials, <i>Journal of Nanoscience and Nanotechnology</i> , 18 (4), 2881–2891, DOI: 10.1166/jnn.2018.14380, 2018.
6	Ozan Ozkan, Hilal T. Sasmazel, Antibacterial Performance of PCL-Chitosan Core-Shell Scaffolds, <i>Journal of Nanoscience and Nanotechnology</i> , 18 (4), 2415–2421, DOI: 10.1166/jnn.2018.14378, 2018.
7	Burak Ozbek, Barkin Erdogan, Nazmi Ekren, Faik Nuzhet Oktar, Sibel Akyol, Besim Ben-Nissan, Hilal Turkoglu Sasmazel, Cevriye Kalkandelen, Ayhan Mergen, Serap Erdem Kuruca, Gunes Ozen, Oguzhan Gunduz, Production of the novel fibrous structure of poly (ϵ -caprolactone)/tri-calcium phosphate/hexagonal boron nitride composites for bone tissue engineering, <i>Journal of the Australian Ceramic Society</i> , 54 (2), 251-260, DOI: 10.1007/s41779-017-0149-0, 2018.
8	A.O. Basar, S. Castro, S. Torres-Giner, J.M. Lagaron and H. Turkoglu Sasmazel, Novel Poly(ϵ -caprolactone)/Gelatin Wound Dressings Prepared by Emulsion Electrospinning With Controlled Release Capacity of Ketoprofen Anti-inflammatory Drug, <i>Materials Science&Engineering C</i> , 81, 459-468, DOI: 10.1016/j.msec.2017.08.025, 2017.
9	Ozan Ozkan, Hilal T. Sasmazel, Hybrid Polymeric Scaffolds Prepared by Micro and Macro Approaches, <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 66 (16), 853-860, DOI: 10.1080/00914037.2016.1278218, 2017.
10	Ozlem Agac, Melike Gozutok, Hilal Turkoglu Sasmazel, Abdullah Ozturk, Jongee Park, Mechanical and biological properties of Al ₂ O ₃ and TiO ₂ co-doped zirconia ceramics, <i>Ceramics International</i> , 43 (13), 10434-10441, DOI: 10.1016/j.ceramint.2017.05.080, 2017.
11	Melike Gozutok, Alibi Baitukha, Farzaneh Arefi-Khonsari, Hilal T. Sasmazel, Novel Thin Film Deposited Electrospun PCL Scaffolds by Atmospheric Pressure Plasma Jet for L929 Fibroblast Cell Cultivation, <i>Journal of Physics D: Applied Physics, Special Issue on Plasma-inspired Biomaterials</i> , 49, 474002, DOI: 10.1088/0022-3727/49/4/474002, 2016.

12	Seda Surucu, Hilal T. Sasmazel, Development of Core-Shell Coaxially Electrospun Composite PCL/Chitosan Scaffolds, <i>International Journal of Biological Macromolecules</i> , 92, 321–328, DOI: 10.1016/j.ijbiomac.2016.07.013, 2016.
13	Seda Surucu, Kai Masur, Hilal T. Sasmazel, Thomas V. Woedtke, Klaus D. Weltmann, Atmospheric Plasma Surface Modifications Of PCL/Chitosan/PCL Hybrid Scaffolds By Nozzle Type Plasma Jets For Usage Of Cell Cultivation, <i>Applied Surface Science</i> , 385, 400-409, DOI: 10.1016/j.apsusc.2016.05.123, 2016.
14	Ozan Ozkan, Hilal T. Sasmazel, Effects of Nozzle Type Atmospheric Dry Air Plasma on L929 Fibroblast Cells Hybrid PCL/Chitosan/PCL Scaffolds Interactions, <i>Journal of Bioscience and Bioengineering</i> , 122(2), 232-239, DOI: 10.1016/j.jbiosc.2016.01.004, 2016.
15	Seda Surucu, Hilal T. Sasmazel, DBD Atmospheric Plasma Modified, Electrospun, Layer by Layer Polymeric Scaffolds for L929 Fibroblast Cell Cultivation, <i>Journal of Biomaterials Science Polymer Edition</i> , 27(2), 111-132, DOI: 10.1080/09205063.2015.1111717, 2016.
16	Zeynep A. Gencer, Sedat Odabas, Hilal T. Sasmazel, Erhan Piskin, Macroporous Silicone Biomaterials with Modified Surface Chemistry: Production and Characterization, <i>Journal of Bioactive and Compatible Polymers</i> , 27(5), 419-428, 2012.
17	Manolache S., Sasmazel Turkoglu H., Uygun A., Oksuz L., Plasma Technology, Nanoengineering of Advanced Materials, in Arza Seidel (Ed): <i>Kirk-Othmer Encyclopedia of Chemical Technology</i> , http://dx.doi.org/10.1002/0471238961.plassori.a01 , John Wiley & Sons, Ltd., 1 – 27, (on-line 04/13/2012).
18	Sasmazel Turkoglu, H., Novel hybrid scaffolds for the cultivation of osteoblast cells, <i>International Journal of Biological Macromolecules</i> , 49(7), 838– 846, 2011.
19	Sasmazel Turkoglu, H., Manolache, S., Gumusderelioglu M., Influence of Water/O ₂ Plasma Treatment on Cellular Responses of PCL and PET Surfaces, <i>Biomedical Materials and Engineering</i> , 21(2), 123-137, DOI 10.3233/BME-2011-0662, 2011.
20	Sasmazel Turkoglu, H., Manolache, S., Gumusderelioglu M., Impact of Nanotopography's and/or Functional Groups on Periodontal Ligament Cell Growth', <i>Nanotechnological Basis for Advanced Sensors (Springer NATO Series B: Physics and Biophysics)</i> , Vol. 0, Reithmaier, J.P.; Paunovic, P.; Kulisch, W.; Popov, C.; Petkov, P. (Eds.), 1st Edition., 483-486, 344 illus., ISBN 978-94-007-0902-7, 2011.
21	Sasmazel Turkoglu, H., Manolache, S., Gumusderelioglu M., Insulin and Heparin Bioactivation of 3D NWPF Discs by Water/O ₂ Plasma for L929 Fibroblast Cell Cultivation, <i>The FEBS Journal</i> , 277 Supplement,120, 2010.
22	Sasmazel Turkoglu, H., Manolache, S., Gumusderelioglu M., Functionalization of 3D NWPF Discs by Water/O ₂ Plasma For Biomolecule Mediated Cell Cultivation, <i>Plasma Processes and Polymers</i> , 7 (7), 588-600, DOI: 10.1002/ppap.200900096, 2010.
23	Sasmazel Turkoglu, H., Manolache, S., Gumusderelioglu M., The Effects of Functional Groups/Biosignal Molecules And Nanotopograpghy Created By Plasma On Cellular Proliferation, in: J.P. Reithmaier, P. Petkov, W. Kulisch, and C. Popov (Eds.), <i>Nanostructured Materials for Advanced Technological Application (Springer NATO Series B: Physics and Biophysics)</i> , ISBN 978-1-4020-9914-4, Springer, 533-538, 2009.
24	Sasmazel Turkoglu, H., Manolache, S., Gumusderelioglu M., Water/O ₂ Plasma Assisted Treatment of PCL Membranes for Biosignal Immobilization, <i>Journal of Biomaterials Science:Polymer Edition</i> , 20 (7-8), 1137-1162, 2009.

25	Sasmazel Turkoglu, H., Gumusderelioglu, M., Gurpinar, A., Onur, M.A., Comparison of Cellular Proliferation on Dense and Porous PCL Scaffolds, Bio-Medical Materials and Engineering, 18 (3), 119-128, (DOI 10.3233/BME-2008-0515), 2008.
26	Sasmazel Turkoglu, H., Aday, S., Gumusderelioglu, M., "Insulin and heparin coimmobilized 3D Polyester Fabrics for the Cultivation of Fibroblasts in Low-Serum Media", International Journal of Biological Macromolecules, 41(3), 338-345, 2007.
27	Cetinkaya, G., Turkoglu, H., Arat, S., Onur, M.A., Gumusderelioglu, M., Tumer, A., "LIF Immobilized Non-Woven Polyester Fabrics for Cultivation of Murine Embryonic Stem Cells", J. Biomed. Mater. Res. Part A., 81A, 911-919, 2007.
28	Gumusderelioglu, M., Turkoglu, H., "Biomodification of Non-Woven Polyester Fabrics by Insulin and RGD for Use in Serum-Free Cultivation of Tissue Cells", Biomaterials, 23(19), 3927-3935, 2002.
29	Turkoglu, H., Gumusderelioglu, M., "Uses of Polyester Fabrics Modified by Insulin/RGD in Serum-Free Cell Cultures", Technology and Health Care (International Journal of Health Care Engineering, 10(3), 301-303, 2002.
30	Sasmazel Turkoglu, H., Gözütok, M., Biyolojik Yazıcılar, Atılım Üniversitesi, Eğlenceli Bilim Dergisi, Sayı 24, 25-27, Eylül 2017.
31	Sasmazel Turkoglu, H., "Anti-Bakteriyel Çekirdek-Kabuk Tipi Eşeksenli Elektroçirilmiş Kompozit PCL/Kitosan Yara İyileşme Materyalleri" Projesi, TÜBİTAK Projeleri-Röportaj, Atılım Üniversitesi İz Dergisi, Sayı 27, 32-35, Nisan 2017.
32	Sasmazel Turkoglu, H., Tukay, A., Mitoloji ve Hikayelerle Protez, Atılım Üniversitesi, Eğlenceli Bilim Dergisi, Sayı 21, 31-34, Eylül 2016.
33	Sasmazel Turkoglu, H., Ozkan, O., 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.
34	Sasmazel Turkoglu, H., Başar Ozan A., Laboratuardan Soframıza Gelen Et, Eğlenceli Bilim Dergisi, Sayı 20, 17-19, Haziran 2016.
35	Sasmazel Turkoglu, H., Surucu, S., Dansın Tarihçesi, Atılım Üniversitesi, Eğlenceli Bilim Dergisi, Sayı 17, 34-39, Haziran 2015.
36	Sasmazel Turkoglu, H., Gozutok M., Biyomalzemeler, Atılım Üniversitesi, Eğlenceli Bilim Dergisi, Sayı 18, 11-13, Ekim 2015.
37	Sasmazel Turkoglu, H., Biyomühendislik Mesleği, Atılım Üniversitesi, Eğlenceli Bilim Dergisi, Sayı 16, 21-23, Şubat 2015.
38	Sasmazel Turkoglu, H., Surucu, S., Model Biyomalzeme: Silikon, Atılım Üniversitesi İz Dergisi, Sayı 21, 40-42, Şubat 2015.
39	Sasmazel Turkoglu, H., Surucu, S., Tıpta Plazma Teknolojisi, Atılım Üniversitesi İz Dergisi, Sayı 21, 45-46, Şubat 2015.
40	Sasmazel Turkoglu, H., Ozkan, O., Mumcu, N. E., "Dünden Bugüne Protezler", Bilim ve Teknik, 47(552), 62-65, November 2013.
41	Sasmazel Turkoglu, H., Ozkan, O., Advances in Electrospinning of Nanofibers and Their Biomedical Applications, Review, Current Tissue Engineering, 2(2), Pages 91-108, 2013.
42	Sasmazel Turkoglu, H., Ozkan, O., Haydardedeoglu, A. E., "Elektroçirgeme: "Sıvıyı İplige Donusturma Sanatı" ve Biyotıp Eserleri", Bilim ve Teknik, 46(539), 80-82, October 2012.
43	Sasmazel Turkoglu, H., Atik, Z., "Biyomalzeme Dünyasında Silikon", Bilim ve Teknik, 44(515), 55-57, October 2010.
44	Sasmazel Turkoglu, H., Ozkan, O., "Plazma Prosesi ve Biyotıp Uygulamaları", Bilim ve Teknik, 44(515), 52-54, October 2010.
45	Sasmazel Turkoglu, H., "Argentine Tango" Atılım University E-Bulletin, 5(20), ISSN 1306-3472, September 2010.

46	Ayhan, H., Kocum, C., "Instrumental Analysis Laboratory", Author of chapter 4; Turkoglu, H., 2004 Ankara press, Aydan Pub.
47	Gumusderelioglu, M., Turkoglu, H., "Biosignals and Tissue Engineering", Bilim ve Teknik, 437, 15, April 2004.
48	Gumusderelioglu, M., Turkoglu, H., "Animal Cell Technology and Products" Biyotek, 3(17), 13-15, November 2003.
49	Gumusderelioglu, M., Turkoglu, H., "Plasma Technology", Bilim ve Teknik, 426, 90, May 2003.
50	Gumusderelioglu, M., Turkoglu, H., " New Developments in Tissue Engineering", Bilim ve Teknik, 72-76, May 2000.

PROJECTS

1	Turkoglu Sasmazel, H., Ozkan O., Development of Electrospun Magnesium Alloy for Nerve Guidance Conduit Applications, TUBITAK-1001, November 2017 – November 2019.
2	Turkoglu Sasmazel, H., Basar A. O., Development Of Antibacterial Antioxidant Composite Electrospun Chitosan Coated Polypropylene Food Packaging Materials, ATU-BAP-B-1415-01, May 2015-December 2016.
3	Turkoglu Sasmazel, H., Surucu S., Gozutok M., Anti-Bacterial Core-Shell Coaxially Electrospun Composite PCL/Chitosan Wound Healing Materials, TUBITAK-COST Project (2515), Action No: MP 1206, Action Title: Electrospun Nano-fibres for Bio Inspired Composite Materials and Innovative Industrial Applications, February 2015-February 2017.
4	Turkoglu Sasmazel, H., Kara, A., Ozkan, O., Mevcut Altyapı İle Polimer-Seramik Taban Mazlemelerinin Geliştirilmesi Ve Temel RF Bileşen Tasarımı-Deneysel Geliştirme, ATÜ-LAP-C-1415-01, December 2014-September 2015.
5	Turkoglu Sasmazel, H., Ozkan O., 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.
6	Turkoglu Sasmazel, H., Polymer/Composite Biomaterials Biocompatibility Research Laboratory, Atılım University ALP Programme, ATU-ALP-1011-03, January 2011-February 2014.
7	Park, J., Turkoglu Sasmazel, H., Ozturk, A., Biskin, E., Kapusuz, D., Development of Photocatalytic and Nanofiber-Reinforced Dental Composites, TUBITAK-1001, September 2010 started, November 2012 completed.
8	Turkoglu Sasmazel, H., Atik, Z., Production of Microporous/Bioactive Silicone Implants/Prosthetics for Soft and Cartilage Tissue Repair/Reconstruction, TUBITAK-1001, November 2009 started, January 2012 completed.
9	Turkoglu Sasmazel, H., Production of Hybrid Chitosan/PCL Scaffolds by Electrospinning Technique and Their Cell Culture Applications, TUBA-Loreal-UNESCO Project, (Young Women in Science Award), February 2009 started, May 2010 completed.
10	Tumer, A., Tas, C., Gurpinar, A., Turkoglu H., "Mouse Embryonic Stem Cells Cultivation on Three Dimensional Polymeric Matrices", 0102601001/Hacettepe University Research Fund Project 2003, Ankara.
11	Gumusderelioglu, M., Imren, D., Turkoglu H., "Dextran-Based Colon-Specific Drug Delivery System: Effect of Biodegradation and pH-sensitivity on the BSA and IgG Release Kinetics", MİSAG-247/TUBITAK Project, 2003, Ankara.
12	Gumusderelioglu, M., Aslankaraoglu, E., Turkoglu, H., Karakecili, A., Imren, D., "Development Of Serum-Free Cultures For Monoclonal Antibody Production In Fed-Batch Reactors", 0201602005/Hacettepe University Research Fund Project, 2002, Ankara.

13	Gumusderelioglu, M., Turkoglu, H., "Investigation Of Cell Growth On NWPF Disks Modified By Growth Hormones" 0002602006/Hacettepe University Research Fund Project, 2001, Ankara.
14	Muftuoglu, O., Aslankaraoglu, E., Turkoglu, H., "Biomodification Of Temperature-Sensitive Polymers and Their Using In Cell Culture" MİSAG-134/TUBITAK Project, 2001, Ankara.

PATENTS

1	Biyouyumluluğu ve Mekanik Özelliği Arttırılmış Doku İskelesi ve Üretim Yöntemi, Türk Patent Enstitüsü, İnceleme süreci devam ediyor, Başvuru No: 2015/17198.
2	Antibakteriyel PCL/Kitosan Yara Örtü Malzemesi, Türk Patent Enstitüsü, Patent, No: 2015/17118.

CONFERENCE PRESENTATIONS

1	Sasmazel Turkoglu, H., COST Action FP1405, "Active and intelligent fibre-based packaging innovation and market introduction (ActInPak)", WG meeting: Latest Developments in Active and Intelligent Packaging and Opportunities for Communication of ActInPak, June 5-6, 2018, Riga, Latvia (Participant).
2	A.O. Basar, S. Torres-Giner, S. Castro, H. Turkoglu Sasmazel, J.M. Lagaron, "Novel poly(ϵ -caprolactone)/Gelatin Wound Dressings Prepared by Emulsion Electrospinning with Controlled Release Capacity of Ketoprofen Anti-inflammatory Drug", Electrospin2018 International Conference, January 16-18, 2018, Stellenbosch, South Africa (Invited Speaker).
3	J.M. Lagaron, A.O. Basar, S. Torres-Giner, S. Castro, H. Turkoglu Sasmazel, "Novel poly(ϵ -caprolactone)/Gelatin Wound Dressings Prepared by Emulsion Electrospinning with Controlled Release Capacity of Ketoprofen Anti-inflammatory Drug", NanoBio&Med2017, November 22-24, 2017, Barcelona, Spain (Invited Speaker).
4	Sasmazel Turkoglu, H., COST Action FP1405, "Active and intelligent fibre-based packaging innovation and market introduction (ActInPak)", MC/WG Meeting and Conference: Application and Communication of Active and Intelligent Packaging, November 7-8, 2017, Tzuba, Israel (Participant).
5	Sasmazel Turkoglu, H., "Tissue Scaffold with Enhanced Biocompatibility and Mechanical Features, and Production Method", 2th Istanbul International Inventions Fair (ISIF'17, Invention, R&D and Innovation), March 2-4, 2017, Istanbul, Turkey (Participant).
6	Sasmazel Turkoglu, H., COST Action FP1405, "Active and intelligent fibre-based packaging innovation and market introduction (ActInPak)", MC/WG Meeting and Papermakers Conference, Kasım 21-23, 2016, Bled, Slovenya (Participant).
7	Basar, A. O., S. C. Reina, J. M. Lagaron, H. Turkoglu Sasmazel, "Emulsion Electrospinning to Control Drug Release of Interest in Pharma Applications", International Conference on Nanotechnology Applications (NANOTECH2016), September, 2016, Valencia, Spain (Poster Presentation).
8	Sasmazel Turkoglu, H., Ozkan, O., "Hybrid PCL/Chitosan Scaffolds with Micro and Macro Porosity", 4th International Conference on Integrative Biology, July 18-20, 2016, Berlin, Germany (Invited Speaker).
9	Hilal T. Sasmazel, Seda Surucu, "Development of PCL/Chitosan Core-Shell Electrospun Structures", ICBBE 2016: 18th International Conference on Bioinformatics and Biochemical Engineering, May 26-27, 2016, Tokyo, Japan (Invited Speaker).
10	Sasmazel Turkoglu, H., EU Brokerage Event on KET in Horizon 2020, May 12, 2016, Mainz, Germany (Participant).

11	Sasmazel Turkoglu, H., "Atmospheric Pressure Plasma Surface Modifications of Electrospun Hybrid Polymeric Scaffolds", Central European Initiative (CEI), "Workshop on Application of Advanced Plasma Technologies in CE Agriculture", April 17-21, 2016, Ljubljana, Slovenia (Invited Speaker).
12	Sasmazel Turkoglu, H., COSMOS 2020, Horizon 2020 Space Information Day, April 19-20, 2016, Ljubljana, Slovenia (Participant).
13	Sasmazel Turkoglu, H., COST Action FP1405, "Active and intelligent fibre-based packaging - innovation and market introduction (ActInPak)", "Workshop on Status of Current Developments and Challenges in Active and Intelligent Packaging" and MC Meeting, April 4-5, 2016, Munich, Germany (Participant).
14	Sasmazel Turkoglu, H., "Development of Electrospun Composite Polymeric Tissue Scaffolds", BIT's 9th World Congress of Regenerative Medicine Stem Cell-South Korea-2016, March 15-18, 2016, Seoul, Korea (Invited Speaker).
15	Sasmazel Turkoglu, H., III. International Materials and Metallurgical Engineering Conference METECH'15, Eastern Mediterranean Academic Research Center (DAKAM), November 27-28, 2015, Istanbul, Turkey (Invited for Opening Speech, Session Chair).
16	Sasmazel Turkoglu, H., III. International Bioengineering Conference BIOENG'15, Eastern Mediterranean Academic Research Center (DAKAM), November 25-26, 2015, Istanbul, Turkey (Invited for Opening Speech, Session Chair).
17	Sasmazel Turkoglu, H., International Conference on Bioinformatics and Biomedical Engineering, World Academy of Science, Engineering and Technology (WASET), November 5-6, 2015, Cape Town, South Africa (Participant).
18	Sasmazel Turkoglu, H., Turkish Universities in the ERA (European Research Area) Conference, 2015, Ankara, Turkey (Participant).
19	Sasmazel Turkoglu, H., "Electrospun Hybrid Polymeric Materials for Tissue Engineering Applications", NART (Nanofibers, Applications and Related Technologies), Workshop, 2015, Liberec, Czech Republic (Invited Speaker).
20	Sasmazel Turkoglu, H., COST Action MP1101, "Biomedical Applications of Atmospheric Pressure Plasma Technology", Topical Workshop on Atmospheric Pressure Sources, 2015, Istanbul, Turkey (Participant, Local Organiser).
21	Sasmazel Turkoglu, H., "Major Bioapplications of Electrospun Polymers", COST Action MP1206, "Electrospun nano-fibres for bio inspired composite materials and innovative industrial applications", International Training School on Advanced Characterization Techniques for Electrospun Nanofibers: Hands-on Experience, 2015, Ankara, Turkey (Invited Lecturer).
22	Sasmazel Turkoglu, H., COST Action MP1206, "Electrospun nano-fibres for bio inspired composite materials and innovative industrial applications", "Applications of Electrospinning in Composites, Nanofabrications, Food, Packaging, Pharma and Controlled Release", Workshop, 2015, Novi Sad, Serbia (Participant).
23	Sasmazel Turkoglu, H., "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).
24	Sasmazel Turkoglu, H., COST Action MP1101, "Biomedical Applications of Atmospheric Pressure Plasma Technology", Topical Workshop, October 2014, Paris, France (Participant).
25	Sasmazel Turkoglu, H., "Plasma Treated Biomaterial Surfaces", 20th International Biomedical Science and Technology Symposium, August, 2014, Muğla, Turkey (Invited Speaker).

26	Ates, M. C., Sasmazel Turkoglu, H., Pre-Studies for Polymeric Coating of Titanium Alloy Materials, 20th International Biomedical Science and Technology Symposium, August, 2014, Muğla, Turkey (Poster Presentation).
27	Ozkan, O., Sasmazel Turkoglu, H., 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).
28	Surucu, S., G. Camporeale, O. Ozkan, R. Gristina, F. Palumbo, H. Turkoglu Sasmazel, P. Favia Sasmazel Turkoglu, H., Modification and Functionalization of Biodegradable Polymeric Tissue Scaffolds, 20th International Biomedical Science and Technology Symposium, August, 2014, Muğla, Turkey (Poster Presentation).
29	Gencer, A. Z., Odabas, S., Sasmazel Turkoglu, H., Piskin, E., Development of Macroporous Silicone Biomaterials, ModTech 2014 International Conference, July, 2014, Gliwice, Poland (Invited Speaker, Robotics and Computer Integrated Manufacturing Session Vice President).
30	Ozkan O., Sasmazel Turkoglu, H., "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).
31	Sasmazel Turkoglu, H., International Conference on Bioengineering and Pharmaceutical Sciences, World Academy of Science, Engineering and Technology, March, 2014, Singapore (Participant).
32	Sasmazel Turkoglu, H., Electrospinning of PCL/Chitosan Scaffolds for Cell Cultivation, Electrospun Nanofibers in Tissue Engineering Applications, COST MP1206 Work Group Meeting, Electrospun Nanofibers for Bio Inspired Composite Materials and Innovative Industrial Applications, March, 2014, Antalya, Turkey (Invited Speaker).
33	Sasmazel Turkoglu, H., COST Action MP1101, "Biomedical Applications of Atmospheric Pressure Plasma Technology", Topical Workshop and "Low Temperature Plasma Physics: Basics and Applications", Training School, October 2013, Bad Honnef/Germany (Participant).
34	Sasmazel Turkoglu, H., "Development of Hybrid Scaffolds for Bone Tissue Engineering", ModTech International Conference 2013 (Modern Technologies in Industrial Engineering), June 2013, Sinaia, Romania (Plenary Invited Speaker).
35	Sasmazel Turkoglu, H., COST Action MP1101, "Biomedical Applications of Atmospheric Pressure Plasma Technology", Topical Workshop, May 2013, Kerkrade/Netherland (Participant).
36	Sasmazel Turkoglu, H., COST Action MP1101, "Biomedical Applications of Atmospheric Pressure Plasma Technology", Topical Workshop, October 2012, Dublin/Ireland (Participant).
37	Sasmazel Turkoglu, H., "18th Biomedical Science and Technology, September 2012, Turkey/Tokat, International Scientific Advisory Board (Participant).
38	Sasmazel Turkoglu, H., "International Conference on Composites/Nano Engineering", July 2012, Beijing, China (Invited Participant).
39	Sasmazel Turkoglu, H., COST Action MP1101, "Biomedical Applications of Atmospheric Pressure Plasma Technology", Kick-Off Meeting, February 2012, Bari/Italy (Participant).
40	Sasmazel Turkoglu, H., "16th Biomedical Science and Technology, October 2010, Turkey/Istanbul, International Scientific Advisory Board (Participant).
41	Sasmazel Turkoglu, H., Monalache, S., Gumusderelioglu, M., "The Investigation of Periodontal Ligament Cell Growth onto Water/O ₂ Plasma Treated PCL Substrates", Twelfth Annual Conference YUCOMAT, September 2010, Herceg Novi/Montenegro (Invited Speaker).

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43	Sasmazel Turkoglu, H., Training Course on Cranio-Maxillofacial Animal Models, July 2010, Ankara/Turkey, Organizing and Advisory Committee (Participant).
44	Sasmazel Turkoglu, H., Monalache, S., Gumusderelioglu, M., "Insulin and Heparin Bioactivation of 3D NWPF Discs by Water/O ₂ Plasma for L929 Fibroblast Cell Cultivation", 35th FEBS Congress Molecules of Life, June 2010, Gothenburg/Sweden (Poster presentation).
45	Sasmazel Turkoglu, H., "Electrospun Hybrid Scaffolds for Bone Tissue Repair", 6th Nanoscience and Nanotechnology Conference (NanoTR6), May 2010, İzmir/Turkey (Poster presentation).
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47	Sasmazel Turkoglu, H., 5th Nanoscience and Nanotechnology Conference (NanoTR5), June 2009, Eskişehir/Turkey (Participant).
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49	"QCM, SPR/ellipsometer & AFM as novel Biosensors & Imaging Systems", FEBS Advanced Course, June 2008, TURKEY/Ankara (Participant, supported by FEBS).
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53	Sasmazel Turkoglu, H., Monalache, S., Gumusderelioglu, M., "Plasma Modification of 3D, Biodegradable/Nondegradable Polymeric Carriers by Biosignals and Their Applications in Cell Culture", "International Conference on Polymers and Advanced Materials, POLYMEX 2006", 5-9th November 2006, Mexico/Huatulco (Oaxaca) (Invited Speaker).
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57	"Fundamental Principles of Cell Culture Technology and Artificial Organs", Course, November 2004, Aegean University, Bioengineering Department, TURKEY/Izmir (Participant).
58	"International Symposium on Plasma Polymers and Related Materials", Workshop, COST 527 action, October 2004, TURKEY/Antalya (Participant, supported by COST and TUBITAK).
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60	Cetinkaya, G., Arat, S., Turkoglu, H., Onur, M.A., Gumusderelioglu, M., Tumer, A., "Cultivation of Murine Embryonic Stem Cells on LIF Immobilized Three-Dimensional Matrix" 11th Int. Symp. on Biomedical Science & Technology Days, September 2004, Turkey/Ankara (Oral presentation).
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COURSES GIVEN

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1	MS Thesis, Ahmet Ozan Başar, Development of Graphene Oxide (GO) Modified Electrospun PCL Nanobiomaterials, Atilim University, Department of Metallurgical and Materials Engineering, Advisor, 2019.
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3	PhD Thesis, Ozan Ozkan, Development of FDA Approved Magnesium Alloys for Nerve Guidance Conduits, Hacettepe University, Bioengineering Division, Coadvisor, 2018.
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