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PERSONAL

Date of Birth	03.07.1988
Place of Birth	Zonguldak

EDUCATION

2013-2019	Hacettepe University, Institute of Science, Bioengineering, Integrated Ph.D.
2007-2012	Hacettepe University, Faculty of Science, Biology, B.S.

ACADEMIC POSITIONS

September/2024	Assistant Professor, Department of Medical Biology, Faculty of Medicine, Atılım University, Turkey
November/2019- November/2023	Experienced Researcher, METU MEMS Research and Application Center, Ankara, Turkey.
June/2014- September/2014	Visiting Researcher, University of Victor Segalen Bordeaux 2, Bordeaux, France.

HONORS&AWARDS

1	Ph.D. Scholarship Program for Priority Areas, TUBITAK 2211-C, 2015 Term Scholar (36 Months).
2	Hacettepe University High Honor Student Degree, 2012.
3	Hacettepe University Faculty of Science and Engineering, Project Competition, First Prize Award, May 2012.
4	TUBITAK BİDEB 2209-A University Students Domestic Research Projects Support Program, 2011 Project Support.

RESEARCH INTERESTS

1	Cell culture
2	Biomaterials
3	Tissue Engineering
4	Regenerative Medicine
5	Cancer Research
6	Lab-on-Chip

PROFESSIONAL SERVICE

1	Managing Editor, Progress in Biophysics and Molecular Biology
2	Editor, Journal of Biomaterials-Science Publishing Group

PUBLICATIONS

1	Atakan Tevlek* , “Diagnostic use of Circulating Cells and Subcellular Bio-Particles”, Progress in Biophysics and Molecular Biology, 2024.
2	Atakan Tevlek* , Esin Akbay Çetin, “Smart Hydrogels in Lab-on-a-Chip (LOC) Applications: A Review”, Reactive and Functional Polymers, 2024.
3	Atakan Tevlek* , “The Role of Decellularized Cell Derived Extracellular Matrix in the Establishment and Culture of In Vitro Breast Cancer Tumor Model”, Biomedical Materials, 2024.
4	Deniz Ozdil, Gülçin Günel, Atakan Tevlek , Halil Murat Aydın* “Effects of liquid-to-solid ratio and gamma irradiation on the rheology and cytocompatibility of a beta-tricalcium phosphate-based injectable bone substitute”, Journal of Biomaterials Science, Polymer Edition, 2024.
5	Gamze Tan*, Atakan Tevlek , Halil Murat Aydın, “In-Vitro Suppressive Profiles of Gold Nanoparticles Biosynthesized with Allium Sativum and Allium Ceba Extracts Against Different Cancer Types Depending on Extract Type and Amount”, Journal of Drug Delivery Science and Technology, 2023.
6	Atakan Tevlek , Seren Kecili, Ozge Ozcelik, Haluk Kulah, Hüseyin Cumhur Tekin*, “Spheroid Engineering in Microfluidic Devices”, ACS Omega, 2022.
7	Atakan Tevlek , Bengisu Topuz, Esin Akbay Cetin, Halil Murat Aydın*, “Development of Surface Channel Patterned and Endothelialized Poly(glycerol sebacate) based Elastomers”, Journal of Biomaterials Applications, 2021.
8	Abdulrahem M. N. Atya, Atakan Tevlek , Halil Murat Aydın, “Conductive Carbon Aerogel Incorporated Poly(glycerol-sebacate) Elastomers for Cardiac Tissue Engineering”, Biomedical Materials, 2021.
9	Khaliunsarnai Tsogtbaatar, Debora Ferreira, Atakan Tevlek , Halil Murat Aydın, Ligia Rodrigues, Eda Celik Akdur, “In vitro selection of DNA aptamers against human osteosarcoma”, Investigational New Drugs, 2021.
10	Atakan Tevlek , Halil Murat Aydın, “Multi-layered in vitro 3D-bone model via combination of osteogenic cell sheets with electrospun membrane interlayer”, Journal of Biomaterials Applications, 2021.
11	Sedat Odabaş, Atakan Tevlek , Berkay Erenay, Halil Murat Aydın, Atiye Seda Yar Sağlam, Bora Garipcan, “Magnetically stimulated cryogels to enhance osteogenic and chondrogenic differentiation of stem cells”, bioRxiv, 2021.
12	Gamze Dereli Can, Atakan Tevlek , Mehmet Erol Can, Elif Oncu, Halil Murat Aydın, Nurullah Cagil, “Micro-and nanoscale characterization of different natural biomaterials for ocular surface regeneration”, The European Research Journal, 2020.
13	Mehtap Evcı, Atakan Tevlek , Halil Murat Aydın, Tuncer Caykara*, “Synthesis of Temperature and Light Sensitive Mixed Polymer Brushes via Combination of Surface-Initiated PET–ATRP and Interface-mediated RAFT Polymerization for Cell Sheet Application”, Applied Surface Science, 2020.
14	Merve Uyanıklar, Gulcin Gunal, Atakan Tevlek , Pezhman Hosseinian, Halil Murat Aydın, “A Hybrid Cornea: Cell Laden Hydrogel Incorporated Decellularized Matrix”, ACS Biomaterials Science & Engineering, 2019.
15	Atakan Tevlek , Abdulraheem M. N. Atya, Muhannad Almemar, Memed

	Duman, Dincer Gokcen, Alexey Y. Ganin, Humphrey H.P. Yiu and Halil Murat Aydin, "Synthesis of Conductive Carbon Aerogels Decorated with β -Tricalcium Phosphate Nanocrystallites", Scientific Reports, 2020.
16	Meryem Erken, Atakan Tevlek , Pezhman Hosseinian, Bengisu Topuz, Halil Murat Aydin, "Effects of Ceramic Particle Size on Cell Attachment and Viability in Polyurethane Based Bone Adhesive Composites", Journal of Composite Materials, 2020.
17	Atakan Tevlek , Dilara Turkel Agacik, Halil Murat Aydin, "Stretchable Poly (glycerol-sebacate)/ β -Tricalcium Phosphate Composites with Shape Recovery Feature by Extrusion", Journal of Applied Polymer Science, 2020.
18	Atakan Tevlek , Halil Murat Aydin, Erfan Maleki, Remzi Varol, Okan Unal, "Effects of Severe Plastic Deformation on Pre-Osteoblast Cell Behavior and Proliferation on AISI 304 and Ti-6Al-4V Metallic Substrates", Surface and Coatings, 2019.
19	Gamze Tan, Murat Kaya, Atakan Tevlek , İdris Sargin, Talat Baran, "Antitumor activity of chitosan from mayfly with comparison to commercially available low, medium and high molecular weight chitosans", In Vitro Cellular & Developmental Biology-Animal, 2018.
20	Atakan Tevlek , Sedat Odabas, Ekin Celik, Halil Murat Aydin, "Preparation of MC3T3-E1 cell sheets through short term osteogenic medium application", Artificial Cells, Nanomedicine and Biotechnology, 2018.
21	Bahar Aslan, Selcan Guler, Atakan Tevlek , Halil Murat Aydin, "Evaluation of collagen foam, poly(L-lactic acid) nanofiber mesh and decellularized matrices for corneal regeneration", Journal of Biomedical Materials Research Part B, 2017.
22	Atakan Tevlek and Halil Murat Aydin, "Poly(glycerol-sebacate) Elastomer: A Mini Review", Journal of Orthoplastic Surgery, 2017.
23	Atakan Tevlek , Pezhman Hosseinian, Cansel Ogutcu, Mustafa Turk, Halil Murat Aydin, "Bi-layered constructs of poly(glycerol-sebacate)- β -tricalcium phosphate for bone-soft tissue interface applications", Material Science and Engineering Part C, 2016.

PROJECTS

1	Development of Next Generation Dynamic Cell Culture Model: 3-Dimensional Microfluidic Magnetic Cell Culture, TUBITAK 1001, Researcher (September 2024, -), Project Manager: Assoc. Prof. Dr. Güneş Kibar.
2	Maestro- Micro Medical Technologies Platforms, TUBITAK 1004, Researcher (December 2022, November 2023), Project Manager: Prof. Dr. Haluk Kùlah.
3	Preparation of Biodegradable Smart Bone Repair Plates, Hacettepe University Scientific Research Projects Coordination Unit, Comprehensive Research Project, Researcher (August 2017, December 2018), Project Manager: Assoc. Dr. Halil Murat Aydin.
4	Preparation of Waste Paper Derived Carbon Aerogel/Elastomer Matrices for Cardiac Tissue Engineering, Hacettepe University Scientific Research Projects Coordination Unit, Rapid Support Project, Researcher, (August 2016-February 2017), Project Manager: Assoc. Dr. Halil Murat Aydin.
5	Preparation of Cell Sheets with Patterned Surfaces, Hacettepe University Scientific Research Projects Coordination Unit, Fast Project Support (2016), 6 months, Researcher, Project Manager: Assoc. Dr. Halil Murat Aydin.
6	<i>In vivo</i> Printing of Hydroxyapatite and Mesenchymal Stem Cells in a Rat Calvarial Defect Model by using a 3D Laser Assisted Bioprinting System; University of Victor Segalen Bordeaux-2, INSERM U-1026, Bordeaux, France, 2013, 4 months, Visiting Researcher, Project Manager: Prof. Dr. Fabien Guillemot.
7	The Effects of 1,3/1,6 D-Glucan Application on the Response of Thoracic Aorta of Streptozotocin-induced Type 1 Diabetic Rats, Researcher, TUBITAK

	2209, 2011, Project Manager: Prof. Dr. Mehmet Ali Onur, Hacettepe University, Faculty of Science, Department of Biology.
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CONFERENCE PRESENTATIONS

1	Atakan Tevlek, Halil Murat Aydın, "Fabrication of Thick Cells Sheet Constructs Via Nanofibrous Membrane Interlayers", Termis EU 2019, Poster Presentation, Rhodes/Greece, May 2019.
2	Merve Uyanıklar, Gulcin Gunal, Atakan Tevlek, Pezhman Hosseinian, Halil Murat Aydın, "Decellularized Cornea Constructs Incorporating Gelatin Methacrylate", Scandinavian Society for Biomaterials 2019, Poster Presentation, Helsinki/Finland, June 2019.
3	Gulcin Gunal, Atakan Tevlek, Halil Murat Aydın, "Elastomer Reinforced Decellularized Myocardium Constructs", Termis EU 2019, Poster Presentation, Rhodes/Greece, May 2019.
4	Sedat Odabas, Atakan Tevlek, Berkay Erenay, Halil Murat Aydın, Batur Ercan, Bora Garipcan, Seda Atiye Saglam Yar, "Magnetic Stimulated Cryogels to Enhance Stem Cell Differentiation", 29th Annual Congress of the European Society for Biomaterials, Poster Presentation, Maastricht/Holland, April 2018.
5	Bahar Aslan, Selcan Guler, Atakan Tevlek, Halil Murat Aydın, "Comparison of Biopolymeric, Synthetic and Natural Derived Corneal Constructs", 28th European Congress on Biomaterials, Oral Presentation, Athens/Greece, September 2017.
6	Gulgun Aylaz, Atakan Tevlek, Omur Celikbicak, Memed Duman, "A Novel Fiber-based MALDI Probe for Selective Detection of Ciproflaxacin", 3rd International Congress on Biosensors, Oral Presentation, Ankara/Turkey, October 2016.
7	Atakan Tevlek, Omur Celikbicak, Mustafa Turk, Halil Murat Aydın, "Waste Paper to Bone Graft", VII. Bioengineering Congress-BEC2015, Oral Presentation, Young Scientist Sessions, İzmir/Turkey, November 2015.

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	236
H-index (ISI Web of Science):	10

COURSES GIVEN

1	Medical Biology MED101, MED103
2	Biyoloji ve Genetik CHL 105