

EK-3

ÖZGEÇMİŞ

1. **Adı Soyadı** : Alper Devrim Özkan
2. **Doğum Tarihi** : 01/01/1991
3. **Unvanı** : Dr.
4. **Öğrenim Durumu** : Doktora
5. **Çalıştığı Kurum** : Bahçeşehir Üniversitesi, Eczacılık Fakültesi, Farmasötik Mikrobiyoloji Anabilim Dalı

Derece	Alan	Üniversite	Yıl
Lisans	Moleküler Biyoloji ve Genetik	Bilkent Üniversitesi	2011
Y. Lisans	N/A	(birleşik Y. Lisans/Doktora)	
Doktora	Malzeme Bilimi ve Nanoteknoloji	Bilkent Üniversitesi, Ulusal Nanoteknoloji Araştırma Merkezi	2017

5. Akademik Unvanlar

- Yardımcı Doçentlik Tarihi : N/A
Doçentlik Tarihi : N/A
Profesörlük Tarihi : N/A

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

- 6.1. Yüksek Lisans Tezleri
N/A
6.2. Doktora Tezleri
N/A

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI,SSCI,Arts and Humanities)

- 7.1.1. Wijerathne T, Ozkan AD, Lacroix J. **Yoda1's energetic footprint on Piezo1 channels and its modulation by voltage and temperature**. Proceedings of the National Academy of Sciences 119 (29) e2202269119.
- 7.1.2. Ozkan AD, Gettas T, Sogata A, Phaychanpheng W, Zhou M, Lacroix JJ. **Mechanical and chemical activation of GPR68 probed with a genetically encoded fluorescent reporter**. J Cell Sci. 2021;134(16).
- 7.1.3. Lacroix L, Ozkan AD. **Multiplexing focused ultrasound stimulation with fluorescence microscopy**. JoVE (Journal of Visualized Experiments), 2019;e58781
- 7.1.4. Botello-Smith WM, Jiang W, Zhang H, Ozkan AD, Lin YC, Pham CN, et al. **A mechanism for the activation of the mechanosensitive Piezo1 channel by the small molecule Yoda1**. Nat Commun. 2019;10(1):4503.
- 7.1.5. Dikecoglu FB, Topal AE, Ozkan AD, Tekin ED, Tekinay AB, Guler MO, et al. **Force and time-dependent self-assembly, disruption and recovery of supramolecular peptide amphiphile nanofibers**. Nanotechnology. 2018;29(28):285701.
- 7.1.6. Arslan E, Hatip Koc M, Uysal O, Dikecoglu B, Topal AE, Garifullin R, et al. **Supramolecular Peptide Nanofiber Morphology Affects Mechanotransduction of Stem Cells**. Biomacromolecules. 2017;18(10):3114-30.
- 7.1.7. Senturk B, Demircan BM, Ozkan AD, Tohumeken S, Delibasi T, Guler MO, et al. **Diabetic wound regeneration using heparin-mimetic peptide amphiphile gel in db/db mice**. Biomater Sci. 2017;5(7):1293-303.
- 7.1.8. Topal AE, Tansik G, Ozkan AD, Guler MO, Dana A, Tekinay AB. **Nanomechanical characterization of osteogenic differentiation of mesenchymal stem cells on bioactive peptide nanofiber hydrogels**. Advanced Materials Interfaces 2017;4 (20), 1700090.
- 7.1.9. Yergoz F, Hastar N, Cimenci CE, Ozkan AD, Tekinay T, Guler MO, et al. **Heparin mimetic peptide nanofiber gel promotes regeneration of full thickness burn injury**. Biomaterials. 2017;134:117-27.
- 7.1.10. Üçüncü Tunca E, Ölmez TT, Özkan AD, Altındağ A, Tunca E, Tekinay T. **Correlations in metal release profiles following sorption by Lemna minor**. Int J Phytoremediation. 2016;18(8):785-93.
- 7.1.11. Ozkan AD, Tekinay AB, Guler MO, Tekin ED. **Effects of temperature, pH and counterions on the stability of peptide amphiphile nanofiber structures**. RSC Advances 2015;6 (106).

- 7.1.12.** San-Keskin NO, Celebioglu A, Sarioglu OF, Ozkan AD, Uyar T, Tekinay T. **Removal of a reactive dye and hexavalent chromium by a reusable bacteria attached electrospun nanofibrous web.** RSC advances 2015, 5 (106), 86867-86874
- 7.1.13.** San-Keskin NO, Han D, Ozkan AD, Angun P, Umu OCO, Tekinay T. **Production and structural characterization of biosurfactant produced by newly isolated Staphylococcus xylosus STF1 from petroleum contaminated soil.** Journal of Petroleum Science and Engineering 2015;133, 689-694
- 7.1.14.** Fikirdeşici-Ergen S, Ucuncu E, Ozkan AD, Olmez TT, Acaroz E, Altindag A, Tekinay T, Tunca E. **Interactions between metals accumulated in the narrow-clawed crayfish Astacus leptodactylus (Eschscholtz, 1823) in Dikilitaş Lake, Turkey.** Chemistry and Ecology 2015;31 (5), 455-465
- 7.1.15.** Üçüncü E, Özkan AD, Kurşungöz C, Ülger ZE, Ölmez TT, Tekinay T, et al. **Effects of laser ablated silver nanoparticles on Lemna minor.** Chemosphere. 2014;108:251-7.
- 7.1.16.** Ergül-Ülger Z, Ozkan AD, Tunca E, Atasagun S, Tekinay T. **Chromium (VI) biosorption and bioaccumulation by live and acid-modified biomass of a novel Morganella morganii isolate.** Separation Science and Technology 2014;49 (6), 907-914
- 7.1.17.** Tunca E, Ucuncu E, Kurtulus B, Ozkan AD, Tekinay T. **Accumulation trends of metals and a metalloid in the freshwater crayfish Astacus leptodactylus from Lake Yeniçağa (Turkey).** Chemistry and Ecology 2013;29 (8), 754-769.
- 7.1.18.** Üçüncü E, Tunca E, Fikirdeşici S, Ozkan AD, Altındağ A. **Phytoremediation of Cu, Cr and Pb mixtures by Lemna minor.** Bull Environ Contam Toxicol. 2013;91(5):600-4.
- 7.1.19.** Tunca E, Ucuncu E, Ozkan AD, Ülger ZE, Cansızoğlu AE, Tekinay T. **Differences in the accumulation and distribution profile of heavy metals and metalloid between male and female crayfish (Astacus leptodactylus).** Bull Environ Contam Toxicol. 2013;90(5):570-7.
- 7.1.20.** Tunca E, Ucuncu E, Ozkan AD, Ülger ZE, Tekinay T. **Tissue distribution and correlation profiles of heavy-metal accumulation in the freshwater crayfish Astacus leptodactylus.** Arch Environ Contam Toxicol. 2013;64(4):676-91.
- 7.1.21.** Sarioglu OF, Tamer YT, Ozkan AD, Atabay HI, Molva C, Tekinay T. **Fourier transform infrared spectroscopy as a novel approach for analyzing the biochemical effects of anionic surfactants on a surfactant-degrading Arcobacter butzleri strain.** Appl Spectrosc. 2013;67(4):470-5.
- 7.1.22.** Ozkan AD, Han D, Umu OCO, Angun P, Senturk B, Yasa O, Tekinay T. **Screening and selection of novel animal probiotics isolated from bovine chyme.** Annals of microbiology 2013;63 (4), 1291-1300
- 7.1.23.** Ayas S, Cinar G, Ozkan AD, Soran Z, Ekiz O, Kocaay D, et al. **Label-free nanometer-resolution imaging of biological architectures through surface enhanced Raman scattering.** Sci Rep. 2013;3:2624.
- 7.1.24.** Cakmak T, Angun P, Demiray YE, Ozkan AD, Elibol Z, Tekinay T. **Differential effects of nitrogen and sulfur deprivation on growth and biodiesel feedstock production of Chlamydomonas reinhardtii.** Biotechnol Bioeng. 2012;109(8):1947-57.
- 7.1.25.** Cakmak T, Angun P, Ozkan AD, Cakmak Z, Olmez TT, Tekinay T. **Nitrogen and sulfur deprivation differentiate lipid accumulation targets of Chlamydomonas reinhardtii.** Bioengineered. 2012;3(6):343-6.
- 7.1.26.** Ozkan AD, Topal AE, Dikecoglu FB, Guler MO, Dana A, Tekinay AB. **Probe microscopy methods and applications in imaging of biological materials.** Semin Cell Dev Biol. 2018;73:153-64.
- 7.1.27.** Kalyoncu E, Olmez TT, Ozkan AD, Sarioglu OF. **Biosystems Engineering of Prokaryotes with Tumor-Killing Capacities.** Curr Pharm Des. 2016;22(11):1521-8.
- 7.1.28.** Ozkan AD, Topal AE, Dana A, Guler MO, Tekinay AB. **Atomic force microscopy for the investigation of molecular and cellular behavior.** Micron. 2016;89:60-76.

7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

N/A

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

- 7.3.1.** Ozkan AD, Wijerathne TD, Lacroix J. **Long-range retrograde mechanical coupling in the PIEZO1 channel.** Biophysical Journal 121 (3), 492a-493a.
- 7.3.2.** Wijerathne TD, Ozkan AD, Lacroix J. **Thermodynamic and structural bases for Yoda1-mediated Piezo1 activation.** Biophysical Journal 121 (3), 176a.
- 7.3.3.** Ozkan AD, Lacroix J. **Domain-Dependent Force Selectivity in the Mechanosensitive Ion Channel Piezo1.** Biophysical Journal 118 (3), 396a-397a.

7.4. Yazılan uluslararası kitaplar veya kitaplarda bölümler

- 7.4.1.** Sever M, Tansik G, Arslan E, Yergoz F, Ozkan AD, Tekinay AB, Guler MO. **Self-assembled peptide nanostructures and their gels for regenerative medicine applications.** *Self-assembling Biomaterials* (2018).
- 7.4.2.** Tansik G, Ozkan AD, Guler MO, Tekinay AB. **Nanomaterials for the repair and regeneration of dental tissues.** *Therapeutic Nanomaterials* (2016).
- 7.4.3.** Sardan M, Ozkan AD, Zengin A, Tekinay AB, Guler MO. **Advances in Nanoparticle-Based Medical Diagnostic and Therapeutic Techniques.** *Therapeutic Nanomaterials* (2016).
- 7.4.4.** Ucuncu E, Ozkan AD, Olmez TT, Tunca E. **Phytoremediation of multiply metal-contaminated environments: Synergistic and competitive effects between heavy metals during uptake and transport.** Heavy Metal Remediation: Transport and Accumulation in Plants (2014).

- N/A 7.5. Ulusal hakemli dergilerde yayınlanan makaleler
- N/A 7.6. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler
- N/A 7.7. Diğer yayınlar
- N/A
8. Projeler
- N/A
9. İdari Görevler
- N/A

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler
American Heath Association (2019-), Biophysical Society (2018-)

11. Ödüller

63. Biophysical Society Annual Meeting seyahat ödülü (2018)
13. EMBL PhD Sempozyumu bilimsel yazarlık ödülü (2011)
- TÜBİTAK 2211-E Yurt İçi Doktora Bursu (2011-2016)
- Bilkent Üniversitesi, Moleküler Biyoloji ve Genetik Bölümü tam eğitim bursu (2007-2011)

12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2022-2023	Güz	Mikrobiyoloji	3	0	190
		Moleküler Biyoloji ve Genetik	3	0	160
		Biyokimya	3	0	26
	İlkbahar	N/A			
	Güz	N/A			
	İlkbahar	N/A			

Not: Açılmışsa, yaz döneminde verilen dersler de tabloya ilave edilecektir.