

Asst. Prof. ERKAN MOZIOĞLU

Personal Information

Office Phone: [+90 216 500 4298](tel:+902165004298)

Email: Erkan.Mozioğlu@acibadem.edu.tr

Web: <https://avesis.acibadem.edu.tr/2>

Address: Acibadem Mehmet Ali Aydınlar Üniversitesi, Ataşehir/İstanbul

Research Areas

Health Sciences, Natural Sciences

Academic and Administrative Experience

Öğrenci Merkezli Karma Eğitim Çalışma Grubu, Acibadem Mehmet Ali Aydınlar University, Graduate School of Health Sciences , Medikal Biyoteknoloji Doktora Programı, 2021 - Continues

Öğrenci Merkezli Karma Eğitim Çalışma Grubu, Acibadem Mehmet Ali Aydınlar University, Graduate School of Health Sciences , Medical Biotechnology with Thesis , 2021 - Continues

Öğrenci Merkezli Karma Eğitim Çalışma Grubu, Acibadem Mehmet Ali Aydınlar University, Graduate School of Health Sciences , Medical Biotechnology without Thesis, 2021 - Continues

Öğrenci Merkezli Karma Eğitim Çalışma Grubu, Acibadem Mehmet Ali Aydınlar University, Graduate School of Health Sciences , Medical Biotechnology , 2021 - Continues

Program Koordinatörü, Acibadem Mehmet Ali Aydınlar University, Graduate School of Health Sciences , Medical Biotechnology without Thesis, 2020 - Continues

Program Koordinatörü, Acibadem Mehmet Ali Aydınlar University, Graduate School of Health Sciences , Medical Biotechnology with Thesis , 2020 - Continues

Program Koordinatörü, Acibadem Mehmet Ali Aydınlar University, Graduate School of Health Sciences , Medical Biotechnology , 2020 - Continues

Program Koordinatörü, Acibadem Mehmet Ali Aydınlar University, Graduate School of Health Sciences , Medikal Biyoteknoloji Doktora Programı, 2020 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Simple concentration method enables the use of gargle and mouthwash instead of nasopharyngeal swab sampling for the diagnosis of COVID-19 by PCR**
KOCAGÖZ Z. T. , CAN Ö., YURTTUTAN UYAR N., Aksoy E., Polat T., Cankaya D., Karakus B., MOZIOĞLU E., KOCAGÖZ A. S.
EUROPEAN JOURNAL OF CLINICAL MICROBIOLOGY & INFECTIOUS DISEASES, 2021 (Journal Indexed in SCI)
- II. **Fluorescence-based real-time monitoring of Pseudomonas aeruginosa and a simple, continuous screening method for detection of antibiofilm activity**
Mozioğlu E.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.100, no.4, pp.383-392, 2020 (Journal Indexed in SCI)
- III. **Synthetic DNA molecules in biosensing of biofilms**
Mozioğlu E., Kocagoz T.

- IV. **Oligomer based real-time detection of microorganisms producing nuclease enzymes**
Mozioglu E., Akyurek S., Gunduz S., Akgoz M., Goren A. C. , Kocagoz T.
Analyst, vol.144, no.4, pp.1379-1385, 2019 (Journal Indexed in SCI)
- V. **Syntheses and evaluation of multicaulin and miltirone-like compounds as antituberculosis agents**
BURMAOĞLU S., Secinti H., Mozioglu E., Goren A. C. , Altundas R., SEÇEN H.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.32, no.1, pp.878-884, 2017 (Journal Indexed in SCI)
- VI. **Comparison of DNA extraction methods for meat analysis**
Yalcinkaya B., Yumbul E., Mozioglu E., Akgoz M.
FOOD CHEMISTRY, vol.221, pp.1253-1257, 2017 (Journal Indexed in SCI)
- VII. **Inter-laboratory assessment of different digital PCR platforms for quantification of human cytomegalovirus DNA**
Pavsic J., Devonshire A., Blejec A., Foy C. A. , Van Heuverswyn F., Jones G. M. , Schimmel H., Zel J., Huggett J. F. , Redshaw N., et al.
ANALYTICAL AND BIOANALYTICAL CHEMISTRY, vol.409, no.10, pp.2601-2614, 2017 (Journal Indexed in SCI)
- VIII. **International Comparison of Enumeration-Based Quantification of DNA Copy-Concentration Using Flow Cytometric Counting and Digital Polymerase Chain Reaction**
Yoo H., Park S., Dong L., Wang J., Sui Z., Pavsic J., Milavec M., Akgoz M., Mozioglu E., Corbisier P., et al.
ANALYTICAL CHEMISTRY, vol.88, no.24, pp.12169-12176, 2016 (Journal Indexed in SCI)
- IX. **The use of digital PCR to improve the application of quantitative molecular diagnostic methods for tuberculosis**
Devonshire A. S. , O'Sullivan D. M. , Honeyborne I., Jones G., Karczmarczyk M., Pavsic J., Gutteridge A., Milavec M., Mendoza P., Schimmel H., et al.
BMC INFECTIOUS DISEASES, vol.16, 2016 (Journal Indexed in SCI)
- X. **Detection of nuclease activity using a simple fluorescence based biosensor**
Mozioglu E., Akgoz M., Kocagoz T., Tamerler C.
Analytical Methods, vol.8, no.20, pp.4017-4021, 2016 (Journal Indexed in SCI)
- XI. **Selection of Nucleic Acid Aptamers Specific for Mycobacterium tuberculosis**
Mozioglu E., Gokmen O., Tamerler C., KOCAGÖZ Z. T. , Akgoz M.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.178, no.4, pp.849-864, 2016 (Journal Indexed in SCI)
- XII. **Sequence specific recognition of ssDNA by fluorophore 3-hydroxyflavone**
Capan A., BOSTAN M. H. , Mozioglu E., Akoz M., Goren A. C. , EROĞLU M. S. , Öztürk T.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY, vol.153, pp.391-396, 2015 (Journal Indexed in SCI)
- XIII. **A simple guanidinium isothiocyanate method for bacterial genomic DNA isolation**
Mozioglu E., Akgoz M., Tamerler C., KOCAGÖZ Z. T.
TURKISH JOURNAL OF BIOLOGY, vol.38, no.1, pp.125-129, 2014 (Journal Indexed in SCI)
- XIV. **Efficiency of the TK Culture System in the diagnosis of tuberculosis.**
Kocagoz T., Altin S., Turkyilmaz O., Tas I., Karaduman P., Bolaban D., Yesilyurt E., Oktem S., Aytakin N., Sinik G., et al.
Diagnostic microbiology and infectious disease, vol.72, no.4, pp.350-7, 2012 (Journal Indexed in SCI)
- XV. **Fatty acid composition and chemotaxonomic evaluation of species of Stachys**
Goren A. C. , Akcicek E., Dirmenci T., Kilic T., Mozioglu E., Yilmaz H.
NATURAL PRODUCT RESEARCH, vol.26, no.1, pp.84-90, 2012 (Journal Indexed in SCI)
- XVI. **Essential oil composition of twenty-two Stachys species (mountain tea) and their biological activities**
Goren A. C. , Piozzi F., Akcicek E., Kilic T., Carikci S., Mozioglu E., Setzer W. N.
PHYTOCHEMISTRY LETTERS, vol.4, no.4, pp.448-453, 2011 (Journal Indexed in SCI)
- XVII. **Biological Activity of Curcuminoids Isolated from Curcuma longa**
Çikrikçi S., MOZİOĞLU E., Yilmaz H.
Records Of Natural Products, vol.2, pp.19-24, 2008 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Hidroksisünamik Asit Türevlerinin Canlı-Dışı Helicobacter Pylori Karşıtı Etkileri ile Üreaz Enzimini Engelleme Etkinliklerinin Araştırılması**
Moziöglü E.
Acıbadem Sağlık Bilimleri Dergisi, vol.11, no.4, pp.646-651, 2020 (National Refreed University Journal)
- II. **Antimicrobial activities of some benzocoumarines and benzochromone**
KOLANCILAR H., MOZİÖĞLU E.
Trakya Üniversitesi Bilimsel Araştırmalar Dergisi, vol.9, pp.59-62, 2008 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Florometrik Yeni Bir Yöntemle {Klebsiella pneumoniae} Suşlarında Kolistin Direncinin İki Saat İçerisinde Saptanması**
MOZİÖĞLU E., Manteghi M., Kaya M., AKYAR I., KOCAGÖZ Z. T.
TMC2020 Çevrimiçi Mikrobiyoloji Sempozyumu, Turkey, 25 December 2020
- II. **Yapay Biyoloji ve Yapay Mikrobiyota**
Moziöglü E.
9. Ulusal Sağlık Yaşam Kongresi, İstanbul, Turkey, 8 - 11 October 2020, pp.0-1
- III. **Tüberküloz Tanısını Yeniden Düşünme: Nanoteknoloji ve Yerinde Tanı**
MOZİÖĞLU E.
ULUSLARARASI MİKOBAKTERİ SEMPOZYUMU, 28 - 30 November 2019
- IV. **Antimicrobial Peptides Against Bacterial Biofilms**
Ünüböl N., MOZİÖĞLU E.
Eurasian Congress of Molecular Biotechnology (ECOMB 2019), 19 - 21 October 2019
- V. **Mycobacterium tuberculosis'in Tanısında Aptasensör Uygulamaları**
MOZİÖĞLU E., Ünüböl N.
20.Biyoteknoloji Kongresi, Turkey, 10 - 12 October 2019
- VI. **Development of Antimicrobial Peptides Specific to Bacteria Producing Biofilm**
Polat T., Ünüböl N., MOZİÖĞLU E.
Eurasian Congress of Molecular Biotechnology (ECOMB 2019), 19 - 21 September 2019
- VII. **Elektroforezin Temelleri ve Türleri**
MOZİÖĞLU E.
Tüm Boyutları ile Elektroforez Sempozyum, Turkey, 27 June - 29 July 2019
- VIII. **Use of Synthetic DNA Molecules for Monitoring of Biofilms**
MOZİÖĞLU E., KOCAGÖZ Z. T.
4th International Congress On Biosensors, 8 - 11 July 2019
- IX. **Rapid detection of mycobacterial growth by fluorogenic media which can be used for rapid susceptibility testing**
KOCAGÖZ Z. T. , Jordan H., MOZİÖĞLU E.
The 40th Annual Meeting of the ESM, 30 June - 03 July 2019
- X. **Nanotechnology Lessons From Nanobiodiversity**
MOZİÖĞLU E.
1st International Symposium on Biodiversity Research, 2 - 04 May 2019
- XI. **Metrological Approach For DNA Methylation and Personalized Medicine**
Akyürek S., MOZİÖĞLU E., Yalçınkaya B., Akgöz M.
International Symposium on Advanced In Predictive Personalized Medicine, 2 - 03 April 2015
- XII. **Personalized Medicine and Biometrology**
Yalçınkaya B., Akyürek S., MOZİÖĞLU E., Akgöz M.
International Symposium on Advanced In Predictive and Personalized Medicine, 2 - 03 April 2015

- XIII. **Kırksekiz Farklı Salvia Türünün Antioksidan, Antikolinesteraz, Antimikrobiyal Aktiviteleri ve Uçucu Organik Bileşenlerinin İncelenmesi**
Hatipoğlu S. D. , Zorlu N., MOZİOĞLU E., Yılmaz H., Dirmenci T., Gören A. C. , Topçu G.
2.İlaç Kimyası, Üretimi, Teknolojisi, Standardizasyonu Kongresi, Turkey, 21 - 23 March 2014
- XIV. **ATP detection By Half Duplex Label Free DNA Aptamers**
MOZİOĞLU E., Kocagöz T., Candan T., Akgöz M.
2nd International Congress of The Molecular Biology Association of Turkey, 22 - 23 November 2013
- XV. **Optik Okuyucu Elektroforez Sistemi ve Otomatik Molekül Büyüklüğü Belirleyicisi**
kocagöz t., MOZİOĞLU E., öktek S., Engin D., Yavuz S.
5.Ulusal Moleküler ve Tanısal Mikrobiyoloji Kongresi, Turkey, 24 June - 26 August 2008
- XVI. **Tüberküloz Ön Tanısı Almış Hastalardan Alınan Klinik Örneklerin Mikroskopi ve Kültür Öncesi İşlenmesinde, Dekontaminasyon ve Konsantrasyon Kiti Mycoprosafe'xxin Etkinliği**
Doğan İ., Partal M., MOZİOĞLU E., Yavuz S., Kocagöz T.
5. Ulusal Mikobakteri Sempozyumu, Turkey, 9 - 11 December 2004

Supported Projects

- ÜNÜBOL N., MOZİOĞLU E., KOCAGÖZ Z. T. , TUBITAK Project, MPT64 Proteinlerine Özgü DNA Aptazimlerinin Canlı-dışı Seçimi, 2021 - 2023
- Süyen G., Can Ö., Kanlıdere Z., TUBITAK Project, Doğadan Esinlenerek Antimikrobiyal Peptit ve Benzerlerinin Geliştirilmesi, 2018 - 2021
- Kocagöz Z. T. , TUBITAK Project, Optik Okuyucu Elektroforez ve Otomatik DNA Boyu Yorumcusu, 2005 - 2009

Edit Congress and Symposium Activities

- TMC 2020 Çevrimiçi Mikrobiyoloji Sempozyumu, Attendee, İstanbul, Turkey, 2020
9. Ulusal Sağlık Yaşam Kongresi, Invited Speaker, İstanbul, Turkey, 2020
- ULUSLARARASI MİKROBakteri Sempozyumu, Attendee, Mersin, Turkey, 2019
- Eurasian Congress of Molecular Biotechnology (ECOMB 2019), Attendee, Trabzon, Turkey, 2019
- 20.Biyoteknoloji Kongresi, Attendee, Ankara, Turkey, 2019
- Eurasian Congress of Molecular Biotechnology (ECOMB 2019), Attendee, Trabzon, Turkey, 2019
- 4th International Congress On Biosensors, Attendee, Çanakkale, Turkey, 2019
- The 40th Annual Meeting of the ESM, Attendee, Valencia, Spain, 2019
- Tüm Boyutları ile Elektroforez Sempozyumu, Working Group, İstanbul, Turkey, 2019
- 1st International Symposium on Biodiversity Research, Attendee, Çanakkale, Turkey, 2019
- International Symposium on Advanced In Predictive and Personalized Medicine, Attendee, İstanbul, Turkey, 2015
- International Symposium on Advanced In Predictive Personalized Medicine, Attendee, İstanbul, Turkey, 2015
- 2.İlaç Kimyası, Üretimi, Teknolojisi, Standardizasyonu Kongresi, Attendee, Antalya, Turkey, 2014
- 2nd International Congress of The Molecular Biology Association of Turkey, Attendee, İstanbul, Turkey, 2013
- 5.Ulusal Moleküler ve Tanısal Mikrobiyoloji Kongresi, Attendee, Ankara, Turkey, 2008
5. Ulusal Mikobakteri Sempozyumu, Attendee, İzmir, Turkey, 2004

Citations

Total Citations (WOS):236
h-index (WOS):9

Invited Talks

Yıldız Teknik Üniversitesi Bilim Kulübü: Tüberküloz Tanısını Yeniden Düşünme Nanoteknoloji ve Yerinde Tanı, Seminar,
Yıldız Teknik Üniversitesi, Turkey, February 2020