

Prof. Dr. Osman Uğur SEZERMAN

Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: X-6441-2018

Yoksis Araştırmacı ID: 179796

Eğitim Bilgileri

| | |
|-------------|---|
| 1985 - 1987 | Doktora, Boston University, Biyomedikal Mühendisliği, Amerika Birleşik Devletleri |
| 1985 - 1987 | Yüksek Lisans, Boğaziçi Üniversitesi, Biyomedikal Mühendisliği Enstitüsü, Biyomedikal Elektronik Anabilim Dalı, Türkiye |
| 1981 - 1985 | Lisans, Boğaziçi Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye |

Araştırma Alanları

Mikrobiyoloji, Biyoenformatik, Yapay Zeka, Bilgisayarda Öğrenme ve Örüntü Tanıma, Biyoinformatik

Verdiği Dersler

| | |
|--------------------------|--|
| 2016 - 2017, 2015 - 2016 | İleri Biyoenformatik, Doktora |
| 2016 - 2017 | Biyoistatistik, Yüksek Lisans |
| 2016 - 2017, 2015 - 2016 | Hesaplamalı Biyoloji, Yüksek Lisans |
| 2016 - 2017, 2015 - 2016 | İleri Hesaplamalı Biyoloji, Doktora |
| 2016 - 2017 | Medikal Enformatik ve Biyoistatistik, Lisans |
| 2016 - 2017 | İşlemsel Omik veri Analizi, Lisans |
| 2016 - 2017 | İleri Biyoistatistik 2, Doktora |
| 2016 - 2017 | İleri Biyoistatistik, Doktora |
| 2016 - 2017, 2015 - 2016 | Biyoenformatik, Yüksek Lisans |
| 2015 - 2016 | Medikal Enformatik, Lisans |

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Proteomics profiling and machine learning in nusinersen-treated patients with spinal muscular atrophy**
Panicucci C., Sahin E., Bartolucci M., Casalini S., Brolatti N., Pedemonte M., Baratto S., Pintus S., Principi E., D'Amico A., et al.
CELLULAR AND MOLECULAR LIFE SCIENCES, cilt.81, sa.1, 2024 (SCI-Expanded)
- Microbiota alterations are related to migraine food triggers and inflammatory markers in chronic migraine patients with medication overuse headache**

VURALLI D., Ceren Akgor M., Dagidir H. G., Onat P., YALINAY A. M., SEZERMAN O. U., BELEN H. B.

JOURNAL OF HEADACHE AND PAIN, cilt.25, sa.1, 2024 (SCI-Expanded)

- III. **A microdeletion event at 19q13.43 in IDH-mutant astrocytomas is strongly correlated with MYC overexpression**
Ulgen E., Gerlevik U., Gerlevik S., OKTAY Y., SEZERMAN O. U., Turcan S., ÖZDUMAN K.
ACTA NEUROPATHOLOGICA COMMUNICATIONS, cilt.12, sa.1, 2024 (SCI-Expanded)
- IV. **Multilocus pathogenic variants contribute to intrafamilial clinical heterogeneity: a retrospective study of sibling pairs with neurodevelopmental disorders**
Bozkurt-Yozgatli T., Pehlivan D., Gibbs R. A., SEZERMAN O. U., Posey J. E., Lupski J. R., Coban-Akdemir Z.
BMC MEDICAL GENOMICS, cilt.17, sa.1, 2024 (SCI-Expanded)
- V. **Adaptation to space conditions of novel bacterial species isolated from the International Space Station revealed by functional gene annotations and comparative genome analysis**
Szydłowski L. M., Bulbul A. A., Simpson A. C., Kaya D. E., Singh N. K., Sezerman U. O., Labaj P. P., Kosciółek T., Venkateswaran K.
MICROBIOME, cilt.12, sa.1, 2024 (SCI-Expanded)
- VI. **Identification of potential antigenic proteins and epitopes for the development of a monkeypox virus vaccine: an in silico approach**
AKTAŞ E., SEZERMAN O. U., Ozer M., KIRBOĞA K. K., Koseoglu A. E., Ozgenturk N. O.
MOLECULAR DIVERSITY, 2024 (SCI-Expanded)
- VII. **The Potential Role of Boron in the Modulation of Gut Microbiota Composition: An In Vivo Pilot Study**
Senturk N. B., Kasapoglu B., Sahin E., Ozcan O., OZANSOY M., Ozansoy M. B., Siyah P., SEZERMAN O. U., Sahin F.
PHARMACEUTICALS, cilt.17, sa.10, 2024 (SCI-Expanded)
- VIII. **Investigation of the Impact of Antibiotic Administration on the Preterm Infants' Gut Microbiome Using Next-Generation Sequencing-Based 16S rRNA Gene Analysis**
Aktas A., Ekren B. Y., YAŞA B., SEZERMAN O. U., NAKİPOĞLU Y.
ANTIBIOTICS-BASEL, cilt.13, sa.10, 2024 (SCI-Expanded)
- IX. **RNA methylation sequencing shows different gene expression signatures for response to azacytidine therapy in high-grade myelodysplastic syndromes**
Gulei D., Moisoiu V., Kegyes D., Drula R., Iluta S., Tigu A. B., Nistor M., Jitaru C., Bancos A., Rotariu P., et al.
JOURNAL OF CELLULAR AND MOLECULAR MEDICINE, cilt.28, sa.18, 2024 (SCI-Expanded)
- X. **Identification of an epilepsy-linked gut microbiota signature in a pediatric rat model of acquired epilepsy**
Riva A., Sahin E., Volpedo G., Petretto A., Lavarello C., Di Sapia R., Barbarossa D., Zaniani N. R., Craparotta I., Barbera M. C., et al.
NEUROBIOLOGY OF DISEASE, cilt.194, 2024 (SCI-Expanded)
- XI. **Longitudinal non-targeted metabolomic profiling of urine samples for monitoring of kidney transplantation patients**
Yozgat I., Cakır Ü., Serdar M. A., Sahin S., Sezerman O. U., Nemetlu E., Baykal A. T., Serteser M.
RENAL FAILURE, cilt.46, sa.1, 2024 (SCI-Expanded)
- XII. **Var3PPred: variant prediction based on 3-D structure and sequence analyses of protein-protein interactions on autoinflammatory diseases**
Bülbül A., TİMUÇİN E., TİMUÇİN A. C., SEZERMAN O. U., TAHİR TURANLI E.
PeerJ, cilt.12, sa.5, 2024 (SCI-Expanded)
- XIII. **Effect of the switch status of Helicobacter pylori outer inflammatory protein A on gastric diseases**
ÖKTEM OKULLU S., Karaman T., Akcelik-Deveci S., TİMUÇİN E., SEZERMAN O. U., Mansur-Ozen N., Buyukcolak Y., TIFTIKCI A.
AMB EXPRESS, cilt.13, sa.1, 2023 (SCI-Expanded)
- XIV. **Identification of Molecular and Genetic Resistance Mechanisms in a *Candida auris* Isolate in a Tertiary Care Center in Türkiye**
ERTÜRK ŞENGEL B., Ekren B. Y., SAYIN E., Cerikcioglu N., SEZERMAN O. U., ODABAŞI Z.
MYCOPATHOLOGIA, cilt.188, ss.929-936, 2023 (SCI-Expanded)

- XV. **Phenotype screens of murine pancreatic cancer identify a Tgf- α -Ccl2-paxillin axis driving human-like neural invasion**
Wang X, Istvanffy R., Ye L., Teller S., Laschinger M., Diakopoulos K. N., Görgülü K., Li Q., Ren L., Jäger C., et al.
JOURNAL OF CLINICAL INVESTIGATION, cilt.133, sa.21, 2023 (SCI-Expanded)
- XVI. **Nosocomial infection of *C. auris* in COVID-19 Intensive Care Unit in Türkiye and Phylogenetic Analysis of Isolates**
ERTÜRK ŞENGEL B., Ekren B. Y., SAYIN E., TİGEN E., Seydaliyeva A., Cerikcioglu N., Cinel I., KORTEN V., SEZERMAN O. U., ODABAŞI Z.
MYCOPATHOLOGIA, cilt.188, ss.765-773, 2023 (SCI-Expanded)
- XVII. **Microbiota Changes in Hodgkin and Non-Hodgkin Lymphoma Treatment: Assessment With Il-17 and Il-12 Levels**
Gurer E. E., BEŞİŞİK S., SEZERMAN O. U., ERDEM F., OĞUZ F., Tiryaki T. O., Kuruca D. S., Gunel G., ERDEM F., ÖNCÜL M. O.
CLINICAL LYMPHOMA MYELOMA & LEUKEMIA, 2023 (SCI-Expanded)
- XVIII. **Metabolic pathways of potential miRNA biomarkers derived from liquid biopsy in epithelial ovarian cancer**
GÜMÜŞOĞLU ACAR E., GÜNEL T., Hosseini M. K., DOĞAN B., Tekarslan E. E., Gurdamar B., Cevik N., SEZERMAN O. U., TOPUZ S., Aydinli K.
ONCOLOGY LETTERS, cilt.25, sa.4, 2023 (SCI-Expanded)
- XIX. **Corneal bacterial microbiome in patients with keratoconus using next-generation sequencing-based 16S rRNA gene analysis**
Tunc U., ÇELEBİ A. R. C., Ekren B. Y., Yildirim Y., Yildiz B. K., ÖKTEM OKULLU S., SEZERMAN O. U.
EXPERIMENTAL EYE RESEARCH, cilt.228, 2023 (SCI-Expanded)
- XX. **Metabolomic Analyses to Identify Candidate Biomarkers of Cystinosis**
NEMUTLU E., ÖZALTIN F., Yabanoglu-Ciftci S., GÜLHAN B., EYLEM C. C., BAYSAL İ., Gok-Topak E. D., ULUBAYRAM K., SEZERMAN O. U., UÇAR G., et al.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, cilt.24, sa.3, 2023 (SCI-Expanded)
- XXI. **Effects of Ramadan intermittent fasting on gut microbiome: is the diet key?**
Sağlam D., Arıttıcı Çolak G., Sahin E., Ekren B. Y., Sezerman O. U., Baş M.
FRONTIERS IN MICROBIOLOGY, cilt.14, 2023 (SCI-Expanded)
- XXII. **PANACEA: network-based methods for pharmacotherapy prioritization in personalized oncology**
Ulgen E., Ozisik O., SEZERMAN O. U.
BIOINFORMATICS, sa.1, 2023 (SCI-Expanded)
- XXIII. **Gene pathway analysis of the endometrium at the start of the window of implantation in women with unexplained infertility and unexplained recurrent pregnancy loss: is unexplained recurrent pregnancy loss a subset of unexplained infertility?**
Keleş İ. D., GÜNEL T., Özgör B. Y., Ülgen E., GÜMÜŞOĞLU ACAR E., Hosseini M. K., SEZERMAN O. U., Buyru F., Yeh J., Baştu E.
Human Fertility, cilt.26, sa.5, ss.1129-1141, 2023 (SCI-Expanded)
- XXIV. **Brave new surfactant world revisited by thermoalkalophilic lipases: computational insights into the role of SDS as a substrate analog**
Shehata M., Unlu A., Iglesias-Fernandez J., Osuna S., SEZERMAN O. U., TİMUÇİN E.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, cilt.25, sa.3, ss.2234-2247, 2022 (SCI-Expanded)
- XXV. **Is cutaneous microbiota a player in disease pathogenesis? Comparison of cutaneous microbiota in psoriasis and seborrheic dermatitis with scalp involvement**
Kayiran M. A., Sahin E., Kocoglu E., SEZERMAN O. U., Gurel M. S., Karadag A. S.
INDIAN JOURNAL OF DERMATOLOGY VENEREOLOGY & LEPROLOGY, cilt.88, sa.6, ss.738-748, 2022 (SCI-Expanded)
- XXVI. **NOVEL SYNDROME: CRANIOFACIAL AND CENTRAL NERVOUS SYSTEM MALFORMATIONS, AND ATYPICAL HEMOLYTIC UREMIC SYNDROME ASSOCIATED WITH TSEN2 MUTATION**
Canpolat N., Liu D., Atayar E., SAYGILI S. K., Kara N. S., Westfall T. A., Ding Q., Brown B. J., Braun T. A., Slusarski D., et

- al.
PEDIATRIC NEPHROLOGY, sa.11, ss.2814, 2022 (SCI-Expanded)
- XXVII. **CANDIDATE BIOMARKER(S) FOR CYSTINOSIS WITH OMIC-BASED TECHNOLOGY: FROM LABORATORY TO BED-SIDE**
NEMUTLU E., EYLEM C. C., GÜLHAN B., BAYSAL İ., Yabanoglu-Ciftci S., Kir S., ULUBAYRAM K., UÇAR G., SEZERMAN O. U., ÖZALTIN F., et al.
PEDIATRIC NEPHROLOGY, sa.11, ss.2831, 2022 (SCI-Expanded)
- XXVIII. **Colibactin possessing *E. coli* isolates in association with colorectal cancer and their genetic diversity among Pakistani population**
Tariq H., Noreen Z., Ahmad A., Khan L., Ali M., Malik M., Javed A., Rasheed F., Fatima A., KOCAGÖZ Z. T., et al.
PLOS ONE, cilt.17, sa.11 November, 2022 (SCI-Expanded)
- XXIX. **Investigating the role of common and rare variants in multiplex multiple sclerosis families reveals an increased burden of common risk variation**
Everest E., Ahangari M., Uygunoglu U., Tutuncu M., Bulbul A., Saip S., Duman T., SEZERMAN O. U., Reich D. S., Riley B. P., et al.
SCIENTIFIC REPORTS, cilt.12, sa.1, 2022 (SCI-Expanded)
- XXX. **A recursive molecular docking coupled with energy-based pose-rescoring and MD simulations to identify hsGC beta H-NOX allosteric modulators for cardiovascular dysfunctions**
Khalid R. R., Maryam A., Cinaroglu S. S., Siddiqi A. R., SEZERMAN O. U.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.40, sa.13, ss.6128-6150, 2022 (SCI-Expanded)
- XXXI. **Computational analysis of missense filamin-A variants, including the novel p.Arg484Gln variant of two brothers with periventricular nodular heterotopia**
Gerlevik U., Saygi C., Cangül H., Kutlu A., Çaralan E. F., Topçu Y., Özören N., SEZERMAN O. U.
PLOS ONE, cilt.17, sa.5 5, 2022 (SCI-Expanded)
- XXXII. **Understanding the Role of the Microbiome in Cancer Diagnostics and Therapeutics by Creating and Utilizing ML Models**
Cekikj M., Jakimovska Özdemir M., Kalajdzhiski S., Özcan O., SEZERMAN O. U.
Applied Sciences (Switzerland), cilt.12, sa.9, 2022 (SCI-Expanded)
- XXXIII. **Structural analysis of M1AP variants associated with severely impaired spermatogenesis causing male infertility**
Gerlevik U., Ergoren M. C., SEZERMAN O. U., TEMEL Ş. G.
PeerJ, 2022 (SCI-Expanded)
- XXXIV. **A splice site mutation in the TSEN2 causes a new syndrome with craniofacial and central nervous system malformations, and atypical hemolytic uremic syndrome**
CANPOLAT N., Liu D., Atayar E., SAYGILI S. K., Kara N. S., Westfall T. A., Ding Q., Brown B. J., Braun T. A., Slusarski D., et al.
CLINICAL GENETICS, cilt.101, ss.346-358, 2022 (SCI-Expanded)
- XXXV. **Identifying and elucidating the roles of Y198N and Y204F mutations in the PAH enzyme through molecular dynamic simulations.**
Aslan T., Yenenler-Kutlu A., Gerlevik U., Aktuglu Zeybek A. Ç., Kiykim E., Sezerman O. U., Birgül İyison N.
Journal of biomolecular structure & dynamics, cilt.40, sa.19, ss.9018-9029, 2022 (SCI-Expanded)
- XXXVI. **RDDSVM: accurate prediction of A-to-I RNA editing sites from sequence using support vector machines**
Tac H. A., Koroglu M., SEZERMAN O. U.
FUNCTIONAL & INTEGRATIVE GENOMICS, cilt.21, sa.5-6, ss.633-643, 2021 (SCI-Expanded)
- XXXVII. **Molecular modelling of the FOXO4-TP53 interaction to design senolytic peptides for the elimination of senescent cancer cells.**
Le H. H., Cinaroglu S. S., Manalo E. C., Ors A., Gomes M. M., Duan Sahbaz B., Bonic K., Origel Marmolejo C. A., Quentel A., Plaut J. S., et al.
EBioMedicine, cilt.73, ss.103646, 2021 (SCI-Expanded)
- XXXVIII. **A framework for validating AI in precision medicine: considerations from the European ITFoC**

consortium

Tsopra R., Fernandez X., Luchinat C., Alberghina L., Lehrach H., Vanoni M., Dreher F., SEZERMAN O. U., Cuggia M., de Tairac M., et al.

BMC MEDICAL INFORMATICS AND DECISION MAKING, cilt.21, sa.1, 2021 (SCI-Expanded)

- XXXIX. **Bridging the Bridging Imidazolate in the Bimetallic Center of the Cu/Zn SOD1 and ALS**
TİMUÇİN A. C., Cinaroglu S. S., SEZERMAN O. U., TİMUÇİN E.
FRONTIERS IN CHEMISTRY, cilt.9, 2021 (SCI-Expanded)
- XL. **Investigation of multiple sclerosis-related pathways through the integration of genomic and proteomic data**
Everest E., Ulgen E., UYGUNOĞLU U., TÛTÛNCÛ M., SAİP S., SEZERMAN O. U., SİVA A., TAHİR TURANLI E.
PEERJ, cilt.9, 2021 (SCI-Expanded)
- XLI. **Microbiota analysis in allogeneic stem cell transplant patients with in AML and MDS**
Gurer E. E., OĞUZ F., AKTAŞ Z., BEŞİŞİK S., ÖNCÛL M. O., SEZERMAN O. U., Ekren B., Caliskan K., Gulbas Z.
EUROPEAN JOURNAL OF IMMUNOLOGY, ss.326, 2021 (SCI-Expanded)
- XLII. **Re-analysis of whole-exome sequencing data reveals a novel splicing variant in the SLC2A1 in a patient with GLUT1 Deficiency Syndrome 1 accompanied by hemangioma: a case report**
Bozkurt T., ALANAY Y., ISIK U., SEZERMAN O. U.
BMC MEDICAL GENOMICS, cilt.14, sa.1, 2021 (SCI-Expanded)
- XLIII. **A global metagenomic map of urban microbiomes and antimicrobial resistance**
Danko D., Bezdán D., Afshin E. E., Ahsanuddin S., Bhattacharya C., Butler D. J., Chng K. R., Donnellan D., Hecht J., Jackson K., et al.
CELL, cilt.184, sa.13, ss.3376-3410, 2021 (SCI-Expanded)
- XLIV. **Endometrial gene expression profiling of recurrent implantation failure after in vitro fertilization**
Albayrak I. G., Azhari F., Colak E. N., Balci B. K., Ulgen E., SEZERMAN O. U., Bastu E., Gunel T.
MOLECULAR BIOLOGY REPORTS, cilt.48, sa.6, ss.5075-5082, 2021 (SCI-Expanded)
- XLV. **driveR: a novel method for prioritizing cancer driver genes using somatic genomics data**
Ulgen E., SEZERMAN O. U.
BMC BIOINFORMATICS, cilt.22, sa.1, 2021 (SCI-Expanded)
- XLVI. **Base-excess chloride; the best approach to evaluate the effect of chloride on the acid-base status: A retrospective study.**
Gucyetmez B., Tuzuner F., Atalan H. K., Sezerman U., Gucyetmez K., Telci L.
PloS one, cilt.16, 2021 (SCI-Expanded)
- XLVII. **The importance of dysregulated miRNAs on ovarian cysts and epithelial ovarian cancer**
Gumusoglu E., Gunel T., Hosseini M. K., Seymen N., Senol T., SEZERMAN O. U., Topuz S., Aydinli K.
EUROPEAN JOURNAL OF GYNAECOLOGICAL ONCOLOGY, cilt.42, sa.1, ss.66-72, 2021 (SCI-Expanded)
- XLVIII. **Sequential filtering for clinically relevant variants as a method for clinical interpretation of whole exome sequencing findings in glioma**
Ûlgen E., Can Ö., Bilguvar K., Akyerli Boylu C., Kılıçturgay Yüksel Ş., Erşen Danyeli A., Sezerman O. U., Yakıcıer M. C., Pamir M. N., Özduman K.
BMC MEDICAL GENOMICS, cilt.14, sa.1, 2021 (SCI-Expanded)
- XLIX. **CogNet: classification of gene expression data based on ranked active-subnetwork- oriented KEGG pathway enrichment analysis**
Yousef M., Ulgen E., SEZERMAN O. U.
PEERJ COMPUTER SCIENCE, cilt.7, ss.1-20, 2021 (SCI-Expanded)
- L. **A comprehensive study on identifying the structural and functional SNPs of human neuronal membrane glycoprotein M6A (GPM6A)**
Khalid Z., SEZERMAN O. U.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.39, sa.8, ss.2693-2701, 2021 (SCI-Expanded)
- LI. **Mutations and Copy Number Alterations in IDH Wild-Type Glioblastomas Are Shaped by Different Oncogenic Mechanisms**
Ulgen E., Karacan S., Gerlevik U., CAN Ö., Bilguvar K., OKTAY Y., B. Akyerli C., K. Yuksel S., ERŞEN DANYELİ A., Tihan

T., et al.

BIOMEDICINES, cilt.8, sa.12, 2020 (SCI-Expanded)

- LII. **Lipase and Water in a Deep Eutectic Solvent: Molecular Dynamics and Experimental Studies of the Effects of Water-In-Deep Eutectic Solvents on Lipase Stability.**
Shehata M., Unlu A., Sezerman U., Timucin E.
The journal of physical chemistry. B, cilt.124, ss.8801-8810, 2020 (SCI-Expanded)
- LIII. **Intraoperative Neuromonitoring of Blink Reflex During Posterior Fossa Surgeries and its Correlation With Clinical Outcome.**
Aydinlar E., Kocak M., Soykam H., Mat B., Dikmen P., Sezerman O., Elmaci I., Pamir M.
Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society, sa.0, 2020 (SCI-Expanded)
- LIV. **Progesterone at high doses reduces the growth of U87 and A172 glioblastoma cells: Proteomic changes regarding metabolism and immunity**
Altinoz M., Ucal Y., Yilmaz M., Kiris İ., Ozisik O., Sezerman U., Ozpinar A., Elmaci I.
CANCER MEDICINE, cilt.9, sa.16, ss.5767-5780, 2020 (SCI-Expanded)
- LV. **Analysis of Correlation between the Seven Important Helicobacter pylori (H. pylori) Virulence Factors and Drug Resistance in Patients with Gastritis**
ÖKTEM OKULLU S., Cekic-Kipritci Z., Kilic E., Seymen N., Mansur-Ozen N., SEZERMAN O. U., GÜROL Y.
GASTROENTEROLOGY RESEARCH AND PRACTICE, cilt.2020, 2020 (SCI-Expanded)
- LVI. **Response Assessment With Molecular Characterization of Circulating Tumor Cells and Plasma MicroRNA Profiling in Patients With Locally Advanced Breast Cancer During Neoadjuvant Chemotherapy**
AKKİPRİK M., Koca S., UĞURLU M. Ü., Ekren R., PEKER EYÜBOĞLU İ., Alan O., ERZİK C., GÜLLÜ AMURAN G., Telli T. A., GÜLLÜOĞLU M. B., et al.
CLINICAL BREAST CANCER, cilt.20, sa.4, ss.332-346, 2020 (SCI-Expanded)
- LVII. **High-throughput profiling reveals perturbation of endoplasmic reticulum stress-related genes in atherosclerosis induced by high-cholesterol diet and the protective role of vitamin E**
Bozaykut P., Ekren R., SEZERMAN O. U., Gladyshev V. N., Ozer N. K.
BIOFACTORS, cilt.46, sa.4, ss.653-664, 2020 (SCI-Expanded)
- LVIII. **Probing the Structural Dynamics of the Catalytic Domain of Human Soluble Guanylate Cyclase.**
Khalid R., Maryam A., Sezerman O. U., Mylonas E., Siddiqi A., Kokkinidis M.
Scientific reports, cilt.10, ss.9488, 2020 (SCI-Expanded)
- LIX. **Cartography of opportunistic pathogens and antibiotic resistance genes in a tertiary hospital environment**
Chng K. R., Li C., Bertrand D., Ng A. H. Q., Kwah J. S., Low H. M., Tong C., Natrajan M., Zhang M. H., Xu L., et al.
NATURE MEDICINE, cilt.26, sa.6, ss.941-954, 2020 (SCI-Expanded)
- LX. **Understanding thermal and organic solvent stability of thermoalkalophilic lipases: insights from computational predictions and experiments.**
Shehata M., Timucin E., Venturini A., Sezerman O. U.
Journal of molecular modeling, cilt.26, ss.122, 2020 (SCI-Expanded)
- LXI. **HriGFP Novel Fluorescent Protein: Expression and Applications**
Saeed S., Mehreen H., Gerlevik U., Tariq A., Manzoor S., Noreen Z., Sezerman U., Bokhari H.
MOLECULAR BIOTECHNOLOGY, cilt.62, sa.5, ss.280-288, 2020 (SCI-Expanded)
- LXII. **Whole exome sequencing-based analysis to identify DNA damage repair deficiency as a major contributor to gliomagenesis in adult diffuse gliomas**
Ulgen E., CAN Ö., Bilguvar K., OKTAY Y., AKYERLİ BOYLU C., Danyeli A., Yakicier M. C., Sezerman O. U., Pamir M. N., Ozduman K.
JOURNAL OF NEUROSURGERY, cilt.132, sa.5, ss.1435-1446, 2020 (SCI-Expanded)
- LXIII. **A harmonized meta-knowledgebase of clinical interpretations of somatic genomic variants in cancer.**
Wagner A. H., Walsh B., Mayfield G., Tamborero D., Sonkin D., Krysiak K., Deu-Pons J., Duren R. P., Gao J., McMurry J., et al.

Nature genetics, cilt.52, sa.4, ss.448-457, 2020 (SCI-Expanded)

- LXIV. **Comparison of endometrial prostanoid profiles in three infertile subgroups: the missing part of receptivity?**
Keles I. D., Ulgen E., Erkan M. B., ÇELİK S. E., AYDIN Y., ÖNEM A. N., Kandemir H., Arslanoglu T., APAK M. R., SEZERMAN O. U., et al.
FERTILITY AND STERILITY, cilt.113, sa.3, ss.670-679, 2020 (SCI-Expanded)
- LXV. **Adaptive phenotypic modulations lead to therapy resistance in chronic myeloid leukemia cells**
Baykal-Kose S., Açıköz E., Yavuz A. S., Geyik O. G., Ateş H., Sezerman O. U., Özsan G. H., Yüce Z.
PLOS ONE, cilt.15, sa.2, 2020 (SCI-Expanded)
- LXVI. **SARS-CoV-2 isolation and propagation from Turkish COVID-19 patients**
Taştan C., Yurtsever B., Sir K., Dilek K., Demir S., Abanuz S., Seyis U., Yildirim M., Kuzay R., Elıbol Ö., et al.
TURKISH JOURNAL OF BIOLOGY, cilt.44, sa.3, ss.192-202, 2020 (SCI-Expanded)
- LXVII. **Investigation of base excision repair gene variants in late-onset Alzheimer's disease.**
Ertuzun T., Semerci A., Cakir M. E., Ekmekçioğlu A., Gok M. O., Soltys D. T., De Souza-Pinto N. C., Sezerman U., Müftüoğlu M.
PloS one, cilt.14, 2019 (SCI-Expanded)
- LXVIII. **Potential Marker Pathways in the Endometrium That May Cause Recurrent Implantation Failure**
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Building clinically actionable models for predicting mechanical complications in postoperatively well-aligned adult spinal deformity patients using XGBoost algorithm**
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- IV. **Differential gene expression analysis of human cumulus cells**
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- V. **Detection of Immune-Response-Associated Pathways Involved in Oral Pre-Malignant Lesions and Hyper/ Hypomethylated Immune Genes Involved in these Pathways by Methylation Array Technology**
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- VI. **Expression of the bone morphogenetic protein-2 (BMP2) in the human cumulus cells as a biomarker of oocytes and embryo quality**
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- I. **Corneal Bacterial Microbiome In Patients With Keratoconus Using Next-Generation Sequencing-Based 16S Gene Analysis**
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- II. **HYBRID LEISHMANIA STRAINS AND CLINICAL LEISHMANIASIS: A KALA-AZAR CASE FROM TURKEY.**
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- III. **İleri Biyoinformatik Analiz Yöntemleri Kullanılarak Keratokonus Hastaları ile Sağlıklı Olgular Arasında Oküler Yüzey Mikrobiyota Farklılığının Araştırılması**
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- VI. **Oral premalin lezyonlarda rol oynayan immün-yanıt ilişkili yolaklar ve bu yolaklarda rol alan hiper/hipometile immün genlerin metilasyon array teknolojisi ile tespiti**
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- XII. **Irritable bowel syndrome and microbiota: first clinical study on correlations between gut bacteria, Dientamoeba fragilis, Blastocystis and eating habits in Turkey**
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- XLII. **Purification characterization and modeling of recombinant Goalpha protein**
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Desteklenen Projeler

| | |
|--------------|---|
| Devam Ediyor | Biyolojik Ve Bilgisayar Ağı Anomalilerinin Etkilerinin İncelenmesi İçin Skorlama Sistemi Geliştirilmesi, TÜBİTAK Projesi |
| Devam Ediyor | Üçlü Negatif Lokal İleri Meme Kanserinde Neoadjuvan Tedavi Sonrası Yanıt İle İlişkili Moleküler Yolakların Araştırılması Ve Skorlama Sistemi Geliştirilmesi, TÜBİTAK Projesi |
| 2019 - 2026 | Kişisel Tıp Uygulamaları İçin Bulut Tabanlı Veri Analiz Algoritmaları ve Platformu Geliştirilmesi, TÜBİTAK Projesi |
| 2024 - 2025 | Safra Kesesi Taşı Bulunan ve Bulunmayan Hastalar Arasındaki Mikrobiyom Farklılıkların Belirlenmesi ve Safra Kesesi Taşı Oluşumuna Etki Eden Biyomarkerların Tespit Edilmesi, Yükseköğretim Kurumları Destekli Proje |
| 2021 - 2024 | Yaşlanma ve Kanser Direncine Sahip Kör Farelerde Hücresel Strese Karşı Geliştirilen Moleküler ve Epigenetik Mekanizmaların 3 Boyutlu Organoid Kültürlerinde Araştırılması, TÜBİTAK Projesi |
| 2022 - 2023 | LAMP Tabanlı Tükürükten SMA Tarama Kiti Geliştirilmesi, Türkiye Sağlık Enstitüleri Başkanlığı (TÜSEB) Araştırma Projesi |
| 2020 - 2023 | Akciğer Kanseri Tanısı Almış Ve Şüpheli Hasta Gruplarının Ardışık Tükürük Ve Gaita Örneklerinde Karşılaştırılmalı Mikrobiyota Ve Lipidomik Analizler, TÜBİTAK Uluslararası İkili İşbirliği Projesi |
| 2020 - 2023 | Türkiye'deki Primer Siliyer Diskinezi (PSD) hastaları için tanı metotlarının geliştirilmesi ve uygun gen panellerinin oluşturulması, TÜBİTAK Projesi |
| 2020 - 2023 | Deciphering and Targeting Neural Invasion in Pancreatic Cancer, TÜBİTAK Projesi |
| 2019 - 2023 | Avrupa Nadir Hastalıklar Araştırma Programı, AB Çerçeve Programları Destekli Proje |
| 2021 - 2022 | Çeşitli Candida Türlerinin Hızlı Tespiti İçin Tanı Kiti Oluşturma, KOSGEB |
| 2020 - 2022 | Türkiye'deki Primer Siliyer Diskinezi (PSD) Hastaları İçin Tanı Metotlarının Geliştirilmesi ve Uygun Gen Panellerinin Oluşturulması, TÜBİTAK Projesi |
| 2019 - 2022 | EJP RD, UFUK 2020 Projesi |
| 2021 - 2021 | IMPECABL, UFUK 2020 Projesi |
| 2021 - 2021 | The Menopause Vulnerability Fingerprint: towards personalising the menopause interventions in the daily life MAUVE, UFUK 2020 Projesi |
| 2021 - 2021 | Diagnostic platform for early, reliable and rapid detection of coronaviruses (STRIVE), AB Destekli Diğer Projeler |
| 2021 - 2021 | Yaşlanma ve kanser direncine sahip kör farelerde hücresel strese karşı geliştirilen moleküler ve epigenetik mekanizmaların hücre kültürü ve 3 boyutlu organoid kültürlerinde araştırılması, TÜBİTAK Projesi |

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| 2021 - 2021 | Türkiye'de SARS-cov 2 tüm genom dizilerinin elde edimi ve bunları hızlı, hassas bir şekilde tanımak için LAMP tabanlı kit tasarımı, TÜBİTAK Projesi |
| 2017 - 2020 | Üçlü Negatif Lokal İleri Meme Kanseri Neoadjuvan Tedaviye Yanıtın Matematiksel Modeller Ve Hayvan Deneyleriyle Tespit Edilmesi, TÜBİTAK Projesi |
| 2016 - 2019 | Bacillus Thermocatenulatus Lipazının (Btl2) Endüstriyel Uygulamalarda Kullanmak Üzere Protein Mühendisliği Yöntemleri ile Organik Çözücüler İçerisinde Daha İyi Çalışır Hale Gelmesinin Sağlanması, Diğer Uluslararası Fon Programları |
| 2016 - 2019 | In vitro ve In silico yöntemlerin kombinasyonu ile hedeflendirilmiş anti kanser ilacı gönderilmesi için peptid tasarımı, Diğer Uluslararası Fon Programları |
| 2015 - 2018 | Kolon Kanseri Etiyolojisindeki Epigenetik Ve Diğer Faktörler İle Bu Faktörlerin Hedeflediği Önemli Yolakların Belirlenmesi, Diğer Uluslararası Fon Programları |
| 2013 - 2015 | DNA Karma Yöntemi İle Endüstriyel Uygulamalar İçin Farklı Lipaz Ve Selülaz Veritabanı Ve Kütüphanesinin Oluşturulması, Diğer Uluslararası Fon Programları |
| 2010 - 2013 | Investigation of the IL-7 Cytokine Receptor (IL-7R) Gene Control Mechanism, TÜBİTAK Projesi |

Metrikler

Yayın: 235

Atıf (WoS): 1993

Atıf (Scopus): 2313

H-İndeks (WoS): 24

H-İndeks (Scopus): 27