



ÖZGEÇMİŞ

Adı ve Soyadı: Elif Sibel ASLAN

Akademik Unvanı: Doç. Dr.

İş Adresi:

E-postası: easlan@biruni.edu.tr

Derece	Bölüm/Program	Üniversite	Yıl
Doktora		London Metropolitan University	2006
Yüksek Lisans	Applied Microbiology	university of westminster {england}	2000
Lisans	BİYOLOJİ PR.	Erciyes Üniversitesi	1996

Yüksek Lisans Tez Başlığı (özeti ekte) ve Tez Danışman(lar):

Investigation of extracellular glucosidases from ganoderma applanatum

Doktora Tezi/S.Yeterlik Çalışması/Tıpta Uzmanlık Tezi Başlığı (özeti ekte) ve Danışman(lar):

Role of hephaestin in systemic iron hemeostasis

Görev Unvanı	Görev Yeri	Yıl
Dr. Öğr. Üyesi	Biruni Üniversitesi	2014-Devam Ediyor

İdari Görevler:

1. Dekan Yardımcısı - Biruni Üniversitesi (2023 - Devam Ediyor)
2. Enstitü Yönetim Kurulu Üyesi - Biruni Üniversitesi (2022 - Devam Ediyor)
3. Bölüm Başkanı - Biruni Üniversitesi (2016 - 2019)
4. Erasmus Programı Bölüm Koordinatörü - Biruni Üniversitesi (2015 - Devam Ediyor)

ESERLER

A. Uluslararası hakemli dergilerde yayımlanan makaleler:

- A1. Aslan E. S., Eslamkhah Taghizad M., Akçalı N., Yavaş C., Karcıoğlu Batur L., Sengenc E., Yüksel A., "Marinesco-Sjögren Syndrome: A Novel SIL1 Variant with In Silico Analysis and Review of the Literature", *Life*, vol. 15, no. 12, 2025.
- A2. Essebbar I., Yavaş C., Akçalı N., Karcıoğlu Batur L., Eslamkhah S., Köseoğlu A. E., Aslan E. S., "In Silico Identification of Antigenic Peptides and multi-epitope Vaccine Design against *Trichomonas Vaginalis*", *Acta Parasitologica*, vol. 70, no. 174, 2025.
- A3. Şahin Y., Aslan E. S., Aktuna S., Baltacı V., "Evaluation of TNPI and PRM1 gene expression in male infertility patients with low or high sperm DNA fragmentation", *Journal of the Turkish German Gynecology Association*, vol. 26, no. 1, pp. 7-14, 2025.
- A4. Alagöz M., Kherad N., Solgun H. A., Özkılıç A., Aslan E. S., Bozkurt S., Demirkol Ş., Yüksel A., "DLG3 Impairment Caused by Missense Variants in Non-Syndromic X-Linked Mental Retardation", *Journal of Molecular Science*, 2025.
- A5. Yavaş C., Arvas Y. E., Dogan M., Gezdirici A., Aslan E. S., Karapapak M., Baris S., Eroz R., "Revealing Molecular Diagnosis With Whole Exome Sequencing in Patients With Inherited Retinal Disorders", *Clinical Genetics*, 2025.

- A6.** Aslan E. S., White K., Meral G., Akcay Z. N., Altundag A., Gur S., Dokur M., Baktir M. A., Karcioğlu Batur L., "An Epigenetic Locus Associated with Loss of Smell in COVID-19", *Diagnostics*, vol. 14, no. 24, 2024.
- A7.** Aslan E. S., Akçalı N., Yavaş C., Eslamkhah S., Gur S., Karcioğlu Batur L., "Enhancing the Chemosensitivity of MKN-45 Gastric Cancer Cells to Docetaxel via B7H6 Suppression: A Novel Therapeutic Strategy", *Life*, vol. 14, no. 12, 2024.
- A8.** Aslan E. S., Aydin E., "Investigating the role of let-7a microRNA in cisplatin sensitivity of A549 lung cancer cells", *Naunyn-Schmiedeberg's Archives of Pharmacology*, vol. 397, no. 6, pp. 3979-3984, 2024.
- A9.** Meral G., Aslan E. S., Tunalıgil V., Burkay N., Alper Acar E. G., Alp M. Y., "The Importance of Nutrigenetics and Microbiota in Personalized Medicine: From Phenotype to Genotype", *Cureus Journal of Medical Science*, vol. 16, no. 5, pp. 61256-61256, 2024.
- A10.** Gadur F. E. K., Eslamkhah S., Aslan E. S., "The impact of calcium-binding protein S100P on temozolomide sensitivity in glioblastoma cells", *Gene Reports*, vol. 34, 2024.
- A11.** Aslan E. S., "Enhancing Chemotherapy Efficacy: Investigating the Synergistic Impact of Paclitaxel and cd73 Gene Suppression on Breast Cancer Cell Proliferation and Migration", *CUREUS JOURNAL OF MEDICAL SCIENCE*, vol. 16, no. 7, 2024.
- A12.** Aslan E. S., "Importance of Using Epigenetic Nutrition and Supplements Based on Nutrigenetic Tests in Personalized Medicine", *CUREUS JOURNAL OF MEDICAL SCIENCE*, vol. 16, no. 8, 2024.
- A13.** Gavaz M., Aslan E. S., Tekeş S., "Clinical application of whole-exome sequencing analysis in childhood epilepsy", *Journal of Neurogenetics*, vol. 38, no. 4, pp. 187-194, 2024.
- A14.** Ercan Ç., Elbay A., Aslan E. S., Akbaş F., Özdemir H., Özdemir Özgentürk N., "MicroRNA-626 inhibits mTOR pathways activity of retinal pigment epithelial cells by targeting SLC7A5 in human ARPE-19 Cells", *Cellular and Molecular Biology*, vol. 69, no. 10, pp. 17-22, 2023.
- A15.** Hemsinlioğlu C., Aslan E. S., Taştan C., Çakırsoy D., Turan R. D., Seyis U., Elek M., Sur Karakuş G., Günaydın Ö. S., Abanuz S. vd., "In Vitro FVIII-Encoding Transgenic Mesenchymal Stem Cells Maintain Successful Coagulation in FVIII-Deficient Plasma Mimicking Hemophilia A", *Turkish Journal of Hematology*, vol. 40, no. 2, pp. 118-124, 2023.
- A16.** Aslan E. S., Aydın H., Tekin Y. K., Keleş S., White K. N., Hekim N., "Association between iron metabolism and SARS-COV-2 infection, determined by ferritin, hephaestin and hypoxia-induced factor-1 alpha levels in COVID-19 patients", *Molecular Biology Reports*, vol. 50, no. 3, pp. 2471-2478, 2023.
- A17.** Sager S. G., Türkyılmaz A., Günbey H. P., Karatoprak E. Y., Aslan E. S., Akın Y., "A novel de novo TET3 loss-of-function variant in a Turkish boy presenting with neurodevelopmental delay and electrical status epilepticus during slow-wave sleep", *Brain and Development*, vol. 45, no. 2, pp. 140-145, 2023.
- A18.** Onur H., Tülek A., Aslan E. S., Binay B., Yıldırım D., "A new highly enantioselective stable epoxide hydrolase from *Hypsibius dujardini*: Expression in *Pichia pastoris* and immobilization in ZIF-8 for asymmetric hydrolysis of racemic styrene oxide", *Biochemical Engineering Journal*, vol. 189, pp. 108726-108726, 2022.
- A19.** Ar E., Demiroğlu A., Yılmaz M. S., Yılmaz B., Aslan E. S., Binay B., "Enhancing recombinant *Chaetomium thermophilum* Formate Dehydrogenase Expression with CRISPR Technology", *Protein Journal*, vol. 40, no. 4, pp. 504-511, 2021.
- A20.** Koçdemir K., Şen F., Wedajo Y. A., Bilgici M. Ç., Bayram M., Selçuk İ., Yılmaz B., Çakar M. M., Aslan E. S., Binay B., "Investigation new positions for catalytic activity of *Chaetomium thermophilum* and *Ceriporiopsis subvermispora* formate dehydrogenases", *Biocatalysis and Biotransformation*, vol. 39, no. 4, pp. 302-312, 2021.
- A21.** Boyukozer F. B., Tanoglu E. G., Ozen M., Ittmann M., Aslan E. S., "Kallikrein gene family as biomarkers for recurrent prostate cancer", *Croatian Medical Journal*, vol. 61, no. 5, pp. 450-456, 2020.
- A22.** Aslan E. S., Çetinkaya S., "Use of miRNA as a biomarker in prostate cancer and new approaches", *Türk Onkoloji Dergisi*, vol. 35, no. 1, pp. 99-113, 2020.
- A23.** Aslan E. S., White K. N., Syed B. A., Srail K. S., Evans R. W., "Expression of soluble, active, fluorescently tagged hephaestin in cos and cho cell lines", *Turkish Journal of Biology*, vol. 44, no. 6, pp. 393-405, 2020.
- A24.** Turkdogan D., Usluer S., Akalin F., Agyuz U., Aslan E. S., "Familial early infantile epileptic encephalopathy and cardiac conduction disorder: A rare cause of SUDEP in infancy", *Seizure*, vol. 50, pp. 171-172, 2017.
- A25.** Atahan K., Üreyen O., Aslan E. S., Deniz M., Çökmez A., Gür S., Avci A., Tarcan E., "Preoperative diagnostic role of hyperbilirubinaemia as a marker of appendix perforation", *Journal of International Medical Research*, vol. 39, no. 2, pp. 609-618, 2011.

B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitaplarında (proceedings) basılan bildiriler:

- B1.** Aslan E. S., İnsülin Direnci ve Epigenetik: Genetik Kader Mi, Yaşam Tarzının Bir Sonucu Mu?, In: *17th International Hippocrates Congress on Medical and Health Sciences*, İstanbul, Türkiye, 2025, pp. 161-161.
- B2.** Aslan E. S., Exploring The Epigenetic and Nutrigenetic Impact of Iron Deficiency Anemia on Micronutrient, In: *2nd European Congress on Biomedical Science and Engineering & Human Genetics*, Londra, Birleşik Krallık, 2024, pp. 5-6.

C. Yazılan ulusal/uluslararası kitaplar veya kitaplardaki bölümler:

C2. Yazılan ulusal/uluslararası kitaplardaki bölümler:

- C2.1.** Aslan E. S., Gngr N. E., "Genetik ve Epigenetikte Kiiye zel Yaklaımlarda Temel Terminoloji", *Dermatolojide ve Kozmetolojide Genetik ve Epigenetik Gelimeler*, Trkiye Klinikleri, İstanbul, 2024.
- C2.2.** Naeem M., Hussain F., Aslan E. S., Nousheen J., Nisa Q., Sarwar M., Fatima M., Khanım A., Younis W., Murtaza G., "Use of Nanotechnology to Treat Avian Influenza", *Complementary and Alternative Medicine: Nanotechnology-II*, Unique Scientific Publishers, Pakistan, 2024.
- C2.3.** Aslan E. S., "Current Knowledge on Iron Metabolism and Iron Deficiency Anemia", *INSAC Academic Studies on Sciences Natural and Engineering*, Gece Kitaplıđı, İstanbul, 2023.
- C2.4.** Aslan E. S., "Mikrobiyolojide Kullanılan Molekler Tanı Yntemleri", *Pratik Mikrobiyoloji ve Uygulamaları*, İstanbul Tıp Kitabevleri, İstanbul, 2023.
- C2.5.** Meral G., Aslan E. S., "Epigenetik ve Nutrigenetik", *Molekler Biyoloji ve Genetik*, Trkiye Bilimler Akademisi (TBA), İstanbul, 2023.
- C2.6.** Alghazawi F., Azami N., Debghani A., Aslan E. S., Eslamkhah S., "The Future of Ovarian Cancer Treatment: The Promise of Epigenetic Markers", *Current Researches in Health Sciences-III*, zgr Yayınları, İstanbul, 2023.

D. Ulusal hakemli dergilerde yayımlanan makaleler:

- D1.** Aslan E. S., Gr S., "A Retrospective Study on Insulin Resistance in Adults with Autoimmune Thyroiditis in Turkish Population: a Clinical and Molecular Docking Study", *Acibadem Universitesi Saglik Bilimleri Dergisi*, vol. 16, no. 1, pp. 15-23, 2025.
- D2.** Dibek N. D., Tanođlu E. G., Aslan E. S., Eslamkhah S., Erdođdu Sever R., zen M., "In vitro Characterization of Mir-203 and Mir-363-3p as Potential Biomarkers in Laryngeal Cancer Cells", *Acta Scientific Medical Sciences*, vol. 8, no. 10, pp. 34-42, 2024.
- D3.** Aslan E. S., Er H., zgrses M. E., Tademir M., zen ., Eslamkhah S., Gngr N. E., "Impact of Electromagnetic Field Radiation on Blood-Testis Barrier Regulatory Protein Levels in Rat Testes", *Acta Scientific Medical Sciences*, vol. 8, no. 8, pp. 48-58, 2024.
- D4.** Aslan E. S., Abuaisha A., Emiroglu S., Dođan M. A. D., "Assessment of Anti-Nuclear Antibodies and Anti-Extractable Nuclear Antigen Levels in Breast Cancer Patients.", *Journal of the Institute of Science and Technology*, vol. 14, no. 2, pp. 888-893, 2024.
- D5.** Jama I. A., Yava C., Karcıođlu Batur L., Akçalı N., Eslamkhah S., Kseođlu A. E., Aslan E. S., "Advanced Parental Age Association With The Development Of Autism Spectrum Disorder Meta-Analysis", *Biruni Health and Education Sciences Journal*, vol. 7, no. 1, pp. 29-41, 2024.
- D6.** Aslan E. S., Gr S., "Evaluation and Epigenetic Impact of B12, Vitamin D, Folic Acid and Anemia in Hashimoto's Thyroiditis: A Clinical and Molecular Docking Study", *Journal of Health Sciences and Medicine*, vol. 6, no. 4, pp. 705-712, 2023.
- D7.** Demirkol ., Kherad N., Aslan E. S., Aksoyer Sezgin S. B., Ketenci S., Ay E. N., Yaylım İ., Alagz M., "Current Insights on SARS-Cov-2 and its Pathogenicity", *Biochemistry & Molecular Biology Journal*, vol. 7, no. 4, pp. 1-8, 2021.
- D8.** Aslan E. S., "Genetik Varyasyonlara Besin gelerinin Molekler Etkileri", *Trkiye Klinikleri Beslenme ve Diyetetik*, vol. 1, no. 3, pp. 19-24, 2018.