CURRICULUM VITAE AND PUBLICATIONS LIST



CURRICULUM VITAE

Name and Surname: Elif Sibel ASLAN

Academic Title: Associate Professor

Work Address:

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Degree	Department/Program	University	Year
Doctorate			2006
Master's Degree	Applied Microbiology		2000
Bachelor's Degree	BİYOLOJİ PR.	Erciyes University	1996

Master's Thesis Title (abstract attached) and Thesis Supervisor(s):

Investigation of extracellular glucosidases from ganoderma applanatum

Doctoral Thesis/Proficiency Study/Medical Specialization Thesis Title (abstract attached) and Supervisor(s):

Role of hephaestin in systemic iron hemeostasis

Position Title	Workplace	Year
Assistant Professor	Biruni University	2014-Continues

Administrative Duties:

1. Vice Dean - Biruni University (2023 - Continues)
2. Institute Executive Board Member - Biruni University (2022 - Continues)
3. Head of Department - Biruni University (2016 - 2019)
4. Department Coordinator of the Erasmus Program - Biruni University (2015 - Continues)

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

A1. Aslan E. S., Eslamkhah Taghızad 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 TNP1 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., Barıs 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., Karcıoğlu 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., Karcıoğlu 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. Hemşinlioğlu 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., Yılmazer B., Aslan E. S., Binay B., "Enhancing recombinant Chaetomium thermophilium 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., Yılmazer 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", *Turk Onkoloji Dergisi*, vol. 35, no. 1, pp. 99-113, 2020.

A23. Aslan E. S., White K. N., Syed B. A., Srai 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. Papers presented at international scientific meetings and published in proceedings:

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, Turkey, 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, United Kingdom, 2024, pp. 5-6.

C. National/international books written or chapters in books:

C2. Chapters in national/international books written:

C2.1. Aslan E. S., Güngör Aksoy N. E., "Genetik ve Epigenetikte Kişiye Özel Yaklaşımlarda Temel Terminoloji", *Dermatolojide ve Kozmetolojide Genetik ve Epigenetik Gelişmeler*, Türkiye Klinikleri, İstanbul, 2024.

C2.2. Naeem M., Hussaın 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 Kitaplığı, İstanbul, 2023.

C2.4. Aslan E. S., "Mikrobiyolojide Kullanılan Moleküler Tanı Yöntemleri", *Pratik Mikrobiyoloji ve Uygulamaları*, İstanbul Tıp Kitabevleri, İstanbul, 2023.

C2.5. Meral G., Aslan E. S., "Epigenetik ve Nutrigenetik", *Moleküler Biyoloji ve Genetik*, Türkiye Bilimler Akademisi (TÜBA), 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*, Özgür Yayınları, İstanbul, 2023.

D. Articles published in national peer-reviewed journals:

D1. Aslan E. S., Gür 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., Tanoğlu E. G., Aslan E. S., Eslamkhah S., Erdoğdu Sever R., Özen 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., Özgürses M. E., Taşdemir M., Özen Ş., Eslamkhah S., Güngör Aksoy 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., Abuaısha A. M., Emiroglu S., Doğan M. A. D., "Assessment of Anti-Nuclear Antibodies and Anti-Extractable Nuclear Antigen Levels in Breast Cancer Patients 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., Yavaş C., Karcıoğlu Batur L., Akçalı N., Eslamkhah S., Köseoğlu A. E., Aslan E. S., "Advanced Parental Age Associatıon Wıth The Development Of Autısm Spectrum Dısorder Meta-Analysıs", *Biruni Health and Education Sciences Journal*, vol. 7, no. 1, pp. 29-41, 2024.

D6. Aslan E. S., Gür 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 Ş., Kherad N., Aslan E. S., Aksoyer Sezgin S. B., Ketenci S., Ay E. N., Yaylım İ., Alagöz 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 Öğelerinin Molküler Etkileri", *Türkiye Klinikleri Beslenme ve Diyetetik*, vol. 1, no. 3, pp. 19-24, 2018.