CURRICULUM VITAE AND PUBLICATIONS LIST



CURRICULUM VITAE

Name and Surname: Burak ÖNAL

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Area of Expertise: Medical Pharmacology and Toxicology
Pharmacology and Clinical Pharmacology

Degree	Department/Program	University	Year
Master's Degree	İŞLETME YÖNETİMİ (YL) (TEZSİZ) (İÖ)	Yildiz Technical University	2024
Doctorate	TIBBİ FARMAKOLOJİ VE KLİNİK FARMAKOLOJİ (DR)	İstanbul University	2015

Supervised Master's Theses:

1. TNF-α ile oluşturulan insan safen ven ateroskleroz modelinde atorvastatin ve pitavastatinin anti-inflamatuvar etkilerinin karşılaştırılması (2020)

Roles in Projects:

1. *Kontrast Ajan Kullanımı Sonrası Böbrekte Ferroptozis Gelişiminin Canlı Donör Adaylarında Serum Biyobelirteçlerle Araştırılması*, TUBITAK Project, Önal B., Çelik Z., Erkalma B., Akpınar Y. E. (Executive), 2026-Continues.

2. *Effects of Atorvastatin Treatment on SDC-3 and GPC-4 Biomarkers in Patients with Hypercholesterolemia*, TUBITAK Project, Önal B. (Executive), Doğan A. Ş., Çelik Z., 2026-Continues.

3. *The Effect of Tirzepatide Treatment on the SDF-1alpha-Cxcr4 Axis and Atherogenic Markers in the Early Stage*, TUBITAK Project, Önal B., Oral A. (Executive), 2026-Continues.

4. *Pulmoner Arter Hipertansiyona sahip hastalarda COX2 gen polimorfizmin miRNA ekspresyonu ve serum seviyesinin belirlenmesi*, Project Supported by Higher Education Institutions, Önal B., 2016-2018.

Administrative Duties:

1. Vice Dean - Biruni University (2025 - Continues)
2. Rector Advisor - Biruni University (2022 - Continues)
3. Center Director - Biruni University (2022 - Continues)
4. Deputy Coordinator - İstanbul University (2014 - 2017)

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

A1. Ravindran R., Pizzol D., López-gil J. F., Rahmati M., Boyer L., Fond G., Butler L., Stellato A., Gawronska J., Barnett Y. vd., "Collagen Supplementation for Skin and Musculoskeletal Health: An Umbrella Review of Meta-Analyses on Elasticity, Hydration, and Structural Outcomes", *Aesthetic Surgery Journal Open Forum*, vol. 8, 2026.

A2. Conkbayır C., Ergören M. Ç., Çobanoğulları H., Balcıoğlu Ö., Abras İ., Eminsel T., Öztaş D. M., Önal B., Uğurlucan M., Temel Ş. G., "Correlation of *ITGB3* Gene rs5918T>C and *APOA1* Gene rs1799837C>T Variants with Serum Lipid Profiles in Turkish Cypriot Patients with Coronary Artery Disease", *COR ET VASA*, vol. 67, no. 3, pp. 360-366, 2025.

A3. Conkbayır C., Akbirgün A., Berksel E., Öztaş D. M., Önal B., Uğurlucan M., Ülgen Özyiğit A., Hınçal E., "Effects of psychotropic medications on electrocardiography", *COR ET VASA*, vol. 67, no. 4, pp. 443-448, 2025.

A4. Önal B., Bayındır M. Y., Topkarcı Y. B., Doğan A. Ş., Oktan B., Yunusoğlu O., "Diagnosis of Congenital Cytomegalovirus (cCMV) in an Asymptomatic Neonate on Placental Pathology", *Cureus*, vol. 16, no. 11, pp. 1-15, 2022.

A5. Kandaz C., Önal B., Özen D., Demir B., Akkan A. G., Özyazgan S., "Investigation of MTHFR gene C677T polymorphism in cardiac syndrome X patients", *Journal of Clinical Laboratory Analysis*, vol. 32, no. 2, pp. 22247, 2018.

A6. Özyazgan S., Önal B., Kurtuluş E. M., Uzun H., Akkan A. G., Konukoğlu D., "Plasma Betatrophin Levels of Subjects Classified with Normal, Impaired, and Diabetic Glucose Tolerance, and Subjects with Impaired Fasting Glucose", *Hormone and Metabolic Research*, vol. 49, no. 6, pp. 434-439, 2017.

A7. Demir B., Önal B., Özyazgan S., Kandaz C., Uzun H., Açıksarı G., Uygun T., Opan S., Karakaya O., Akkan A. G., "Does inflammation have a role in the pathogenesis of cardiac syndrome X? A genetic-based clinical study with assessment of multiple cytokine levels", *Angiology*, vol. 67, no. 4, pp. 355-363, 2016.

A8. Korucu E., Pur Özyiğit S. L., Ortaköylü M., Bahadır A., Akalın E., Kara A., Uzun H., Önal B., Çağlar E., "Cathelicidin as a link between sarcoidosis and tuberculosis", *Sarcoidosis Vasc Diffuse Lung Dis.*, vol. 32, no. 3, pp. 222-227, 2015.

A9. Dursun E., Gezen Ak D., Hanağası H. A., Bilgiç B., Lohmann E., Atasoy İ., Alaylıoğlu M., Araz Ö. S., Önal B., Gündüz A. vd., "The interleukin 1 alpha interleukin 1 beta interleukin 6 and alpha 2 macroglobulin serum levels in patients with early or late onset Alzheimer s disease mild cognitive impairment or Parkinson s disease", *Journal of Neuroimmunology*, vol. 283, pp. 50-57, 2015.

A10. Korucu E., Ortakoylu M., Bahadır A., Pur Özyiğit S. L., Aslan Kara A., Uzun H., Önal B., Çağlar E., "Serum Human Cathelicidin Antimicrobial Peptide (CAMP) and D-Vitamin Levels in Patients With Sarcoidosis and Tuberculosis", *Chest*, vol. 14, no. 323, pp. 222-227, 2014.

A11. Shahzadi A., Sönmez İ., Allahverdiyev O., Önal B., Kandaz C., Özyazgan S., Akkan A. G., Yazıcı Z., "Cardiac Troponin I cTnI a Biomarker of Cardiac Injuries Induced by Doxorubicin Alone and in Combination with Ciprofloxacin Following Acute and Chronic Dose Protocol in Sprague Dawley Rats", *International Journal of Pharmacology*, vol. 10, no. 15, pp. 258-266, 2014.

A12. Özyazgan S., Uzun H., Önal B., Tuzcu A., Uğurlu S., Andican Z. G., "Lectin like oxidised LDL receptor 1 as a marker of endothelial dysfunction in Behcet s disease", *Clinical and Experimental Rheumatology*, vol. 31, pp. 71-76, 2013.

A13. Gezen Ak D., Dursun E., Hanağası H. A., Bilgiç B., Lohmann E., Araz Ö. S., Atasoy İ., Alaylıoğlu M., Önal B., Gürvit İ. H. vd., "BDNF, TNFα, HSP90, CFH, and IL-10 serum levels in patients with early or late onset Alzheimer's disease or mild cognitive impairment", *JOURNAL OF ALZHEIMERS DISEASE*, vol. 37, no. 1, pp. 185-195, 2013.

A14. Demir B., Özyazgan S., Korkmaz G., Karakaya O., Açıksarı G., Uygun T., Önal B., "The relationship between ischemia modified albumin and oxidative stress parameters in patients with cardiac syndrome X", *Clinical Laboratory*, vol. 59, no. 11, pp. 1319-1329, 2013.

D. Articles published in national peer-reviewed journals:

D1. Uskur T., Güven O., Kartal Y., Tat M., Önal B., "Phenytoin blood levels and their relationship with physiological and demographic factors: A retrospective analysis of gender, age, and drug interactions", *Medicine Science | International Medical Journal*, vol. 14, 2025.

D2. Önal B., Öztaş D. M., Bıçakhan B., Hakgör A., Erdinç İ., Yıldız Y., Uğurlucan M., "The Efficiency of Magnesium Supplements for the Symptomatic Relief of Patients with Superficial Venous Reflux Disease", *Turkiye Kalp Ve Saglik Vakfi Iktisadi Isletmesi*, vol. 11, no. 2, pp. 53-69, 2023.

D3. Önal B., Sabuncu K., Ermec B., Abay E., Çulha M. G., "Effect of mirabegron on overactive bladder symptoms in patients with myasthenia gravis disease", *Experimental Biomedical Research*, vol. 6, no. 2, pp. 99-105, 2023.

D4. Yunusoğlu O., Köse Ç., Shahzadı A., Özyazgan S., Demir B., Önal B., Akkan A. G., "Ameliorative effects of varenicline and bupropion on morphine-induced conditioned place preference in rats", *Archives of Current Medical Research*, vol. 3, no. 3, pp. 214-226, 2022.

D5. Yunusoğlu O., Köse Ç., Shahzadı A., Özyazgan S., Demir B., Önal B., Akkan A. G., "The Effects of Bupropion and Varenicline on Morphine Withdrawal Syndrome in Rats", *Abant Tıp Dergisi*, vol. 11, no. 2, pp. 231-242, 2022.

D6. Önal B., Orman M., Arslan Ulukan Z., Oğul Çeliker E., Uzun C., Ünal Özcivelek İ., Çit M., Alı Askar S. A. A. A., Azermir M., Temizel M. vd., "Tocilizumab Treatment Affects Intensive Care Unit Admission Rates of COVID-19 Patients in a Dose-dependent Manner", *Cerrahpasa Medical Journal*, vol. 45, no. 3, pp. 177-184, 2021.

D7. Özen D., Önal B., Alaylıoğlu M., Gezen Ak D., Dursun E., Akkan A. G., "TNF-α ile Oluşturulan in Vitro İnsan Safen ven Ateroskleroz Modelinde Atorvastatin ve Pitavastatinin Matriks Metalloproteinaz 2 Üzerine Etkilerinin Karşılaştırılması", *Ege Klinikleri Tıp Dergisi*, vol. 59, no. 2, pp. 175-181, 2021.

D8. Önal B., "SARS-CoV-2/COVID-19 Tedavisinde Güncel Farmakolojik Yaklaşımlar", *Ege Klinikleri Tıp Dergisi*, vol. 58, no. 1, pp. 30-34, 2020.

D9. Tatlıdil Akal M., Önal B., Demir B., Akkan A. G., Özyazgan S., "Detection of CYP2J2 Polymorphism in Cardiac Syndrome X Patients", *Kafkas Journal of Medical Sciences*, vol. 9, no. 2, pp. 79-86, 2019.

D10. Özer Y. G., Önal B., Özen D., Kandaz C., Demir B., Akkan A. G., "Investigation of Interleukin-17 Gene-152g/A Polymorphism and IL-17 Serum Levels in Patients with Cardiac Syndrome X", *Journal of Academic Research in Medicine*, vol. 9, no. 1, pp. 23-28, 2019.