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CONTACT INFORMATION

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EDUCATION

Gazi University, Ankara, TURKEY

Ph.D., Statistics, 2006-2011

- Dissertation Topic: “Multicollinearity in Regression Models: Parametric and Semiparametric Estimation”
- Advisor: Prof. Salih Çelebioglu

Pennsylvania State University, Pennsylvania, USA

M.S., Statistics, 2003-2005

- Dissertation Topic: “Wald-type Statistics in Heteroscedastic Linear Models”
- Advisor: Prof. Michael Akritas

Middle East Technical University, Ankara, TURKEY

B.S., Statistics, 1998-2002

EXPERIENCE

Professor, School of Medicine, Department of Medical Education, Marmara University **2022-present**
Associate Professor, School of Medicine, Department of Medical Education, Marmara University **2018-2022**
Associate Professor, School of Medicine, Department of Biostatistics, Marmara University **2016-2018**
Part-time instructor, Faculty of Arts and Sciences, Department of Statistics, Marmara University **2014-2022**
Part-time instructor, Faculty of Dentistry, Galata University **2014-2022**
Part-time instructor, Faculty of Health Sciences, Dept. of Nutrition and Dietetics, Bilgi University **2020, 2021**
Assistant Professor, Faculty of Natural Sciences, Department of Statistics, İstanbul Medeniyet University **2012-2014**
Associate Professor, School of Medicine, Department of Biostatistics, İstanbul Medeniyet University **2015-2016**
Part-time instructor, Department of Mathematics, Işık University **2013-2015**
Visiting scholar, Center for Applied Statistics and Economics, Berlin Humboldt University **2009-2010**
Instructor, Center for Applied Statistics and Economics, Berlin Humboldt University **2009-2010**
Teaching assistant, Faculty of Arts and Sciences, Department of Statistics, Gazi University **2005-2011**
Teaching assistant, Department of Statistics, Pennsylvania State University, USA **2003 - 2005**
Student consultant, Pennsylvania State statistical consulting center **2003 - 2005**
Research support assistant, Pennsylvania State Hershey Medical Center **2004 summer**

1. Akdeniz, F., Wan, A.T. K., Akdeniz Duran, E., **2005**. Generalized Liu-type estimators under Zellner's balanced loss function. *Communications in Statistics- Theory and Methods*, 34(8): 1725-1736. **doi:** <https://doi.org/10.1081/STA-200066357> (SCI-E)
2. Akdeniz, F., Akdeniz Duran, E., **2010**. Liu-type estimator in semiparametric regression models. *Journal of Statistical Computation and Simulation*, 80(8): 853-871. (SCI-E)
3. Akdeniz Duran, E., Akdeniz, F., Hu, H., **2011**. Efficiency of a Liu-type estimator in semiparametric regression models. *Journal of Computational and Applied Mathematics*, 235(5): 1418-1428. (SCI-E)
4. Akdeniz Duran, E., Akdeniz, F., **2012**. Efficiency of the modified jackknifed Liu-type estimator. *Statistical Papers*, 53(2):265-280. (SCI-E)
5. Akdeniz Duran, E., Haerdle W., Osipenko M., **2012**. Difference based ridge and Liu type estimators in semiparametric regression models. *Journal of Multivariate Analysis*, 105(1):164-175. (SCI)
6. Akdeniz Duran, E., Akdeniz, F., **2013**. New difference-based estimator of parameters in semiparametric regression models, *Journal of Statistical Computation and Simulation*, 83(5):808-822. (SCI-E)
7. Akdeniz, F., Akdeniz Duran, E., Roozbeh, M., Arashi, M., **2015**. Efficiency of the Generalized Difference-based Liu Estimators in Semiparametric Regression Models with Correlated Errors, *Journal of Statistical Computation and Simulation*, 85(1), 147-165.(SCI-E)
8. Arga, M., Oguz, A., Pınarlı, F., Karadeniz, C., Citak, E., Emeksiz, H., Akdeniz Duran, E., Söylemezoğlu, O., **2015**. Risk factors for cisplatin-induced long-term nephrotoxicity in pediatric cancer survivors, *Pediatrics International*, 57(3):406-13. (SCI-E)
9. Bozdağ, Halenur; Guzin, Kadir; Göçmen, Ahmet; Kabaca, Sedef; Usta, Akın; Akdeniz Duran, Esra, **2016**. The Diagnostic Value Of Frozen Section For Borderline Ovarian Tumors, *Journal of Obstetrics and Gynaecology*, 36: 626-630. **doi:** 10.3109/01443615.2015.1133574. (SCI-E)
10. Serkan Senol, Abdullah Aydin, Duygu Kosemetin, Dilek Ece, İbrahim Akalin, Hasan Abuoglu, Esra Akdeniz Duran, Dincer Aydin, Burçak Erkol, **2016**. Gastric adenocarcinoma biomarker expression profiles in and their prognostic values. *Journal of Environmental Pathology, Toxicology and Oncology*, 35 (3): 207-222. **doi:** 10.1615/JEnvironPatholToxicolOncol.2016016099. (SCI-E)
11. Serkan Senol, Ceyran Bahar, Duygu Kosemetin, Bengu Cobanoglu, Dincer Aydin, Esra Akdeniz Duran, Metin Leblebici, **2017**. Immunohistochemical Profile of Tumor Pathways and Prognostic Significance in Colon Adenocarcinomas. *Journal of Environmental Pathology, Toxicology and Oncology*, 36 (1): 29-41. **doi:** 10.1615/JEnvironPatholToxicolOncol.2017016530. (SCI-E)
12. Meryem Hocaoglu, Abdülkadir Turgut, Özkan Özdamar, Ahmet Aslan, Selin Demirer, Akın Usta, Esra Akdeniz, Ateş Karateke, **2018**. Abdominal Wall Endometriosis in Patients with a History of Cesarean Section, *Annali Italiani Di Chirurgia*, 89, 5, 425-430. (SCI-E)
13. Halenur Bozdağ, Esra Akdeniz, **2018**. Does severe vitamin D deficiency impact obstetric outcomes in pregnant women with thyroid autoimmunity?, *Journal of Maternal-Fetal and Neonatal Medicine*, **doi:** <https://doi.org/10.1080/14767058.2018.1519017> (SCI-E)

14. Esra Akdeniz, Fikri Akdeniz, Mahdi Roozbeh, **2018**. A new difference-based weighted mixed Liu estimator in partially linear models, *Statistics: A Journal of Theoretical and Applied Statistics*, 52,6, 1309-1327, **doi:** <https://doi.org/10.1080/02331888.2018.1511715> (SCI-E)
15. Bozdağ H, Akdeniz E, Devranoglu B, Haksever M, Bilgiç BE, Kutlu HT, **2018**. Cytoplasmic abnormalities of mature oocytes have a significant effect on fertilization in Bologna poor responders, *Turkish Journal of Medical Sciences*, 16;48(4):750-758. **doi:** 10.3906/sag-1710-179. (SCI-E)
16. Ufuk Derinsu, Mustafa Yüksel, Cennet Reyhan Geçici, Ayca Çiprut, Esra Akdeniz, **2019**. Effects of Residual Speech and Auditory Deprivation on Speech Perception of Adult Cochlear Implant Recipients, *Auris Nasus Larynx*, 46(1):58-63, **doi:** <https://doi.org/10.1016/j.anl.2018.06.006> (SCI-E)
17. Ersan Arda, Basri Çakıroğlu, Esra Akdeniz, Hakan Akdere, Ilkan Yüksel, Aykut B. Senturk, **2019**. Correlation of ultrasonically determined bladder wall thickness and prostatic calcification with urinary, psychosocial, dysfunction, organ specific, infection and neurological symptoms, and tenderness scoring system, *Journal of Urology*, 124:218-222. **doi:** 10.1016/j.urology.2018.11.029 (SCI)
18. Çiğdem Apaydın Kaya, Mehmet Akman, Pemra Cöbek Ünalın, Serap Çifçili, Arzu Uzuner, Esra Akdeniz, **2019**. Comparison of Preventive Health Service Provision Before and After Reorganization of Primary Care in Turkey: A Community Based Study, *Primary Health Care Research and Development*, 2019; 20 (e119): 1-8 **doi:** 10.1017/S1463423619000069 (SCI-E)
19. Hursitoglu M, Erdal GS, Akdeniz E, Kocoglu H, Kocamaz N, Tevetoglu IO, Yucel H, Harmankaya O, Guven A, Akarsu M, Tupek T, Ozturk G, Dogan H, Yilmaz BK, Gunes ME, Kumbasar AB, **2019**. Early effect of the fear of terrorism on a hospital's emergency department use and on the incidence of cardiovascular events: A Turkish medicentre study, *International Journal of Health Planning and Management*, 34(2):872-879 **doi:** 10.1002/hpm.2756 (SSCI)
20. Arda, E., Ay, A., Akdere, H., Akdeniz, E., **2019**. The association of Intron 4 VNTR and Glu298Asp polymorphisms of the nitric oxide synthetase 3 gene and vasculogenic erectile dysfunction in Turkish men, *Systems Biology in Reproductive Medicine*, 65(5), 1-7. **doi:** <https://doi.org/10.1080/19396368.2019.1601792> (SCI-E).
21. Yildirim, A., Tamer, S. A., Sahin, D., Bagriacik, F., Kahraman, M. M., Onur, N. D., ... and Yüksel, M., **2019**. The Effects of Antibiotics and Melatonin on Hepato-Intestinal Inflammation and Gut Microbial Dysbiosis Induced by A Short Term High-Fat Diet Consumption in Rats, *British Journal of Nutrition*, 122(8):841-855. **doi:** <https://doi.org/10.1017/S0007114519001466> (SCI)
22. Turgut, A., Hocaoglu, M., Ozdamar, O., Usta, A., Gunay, T., Akdeniz, E., **2019**. Could hematologic parameters be useful biomarkers for the diagnosis of endometriosis?, *Bratislavske lekarske listy*, 120(12): 912-918. (SCI-E)
23. Aytekin, K., Uysal, M., Şahiner, G.G., Danışman, M., Baş, O., Takır, S., Coşkun, Z.Ü., Akdeniz, E. and Esenyel, C.Z., **2020**. Evaluation of different intraarticular injection volumes to assess optimum efficient amount; an experimental study in rat knee joints. *Journal of Pharmacological and Toxicological Methods*, 101, p.106658. (SCI-E)
24. Emre Hocaoglu, Meryem Hocaoglu, Esra Akdeniz, **2020**. Association between serum 25-Hydroxyvitamin D levels and the presence and severity of striae gravidarum in primigravid women, *Journal of Cosmetic Dermatology* (DOI: 10.1111/jocd.13386) (SCI-E)
25. Ferhat Harman, Seçkin Aydın, Savaş Şencan, Esra Akdeniz, Yahya Güvenç, Ayten Saraçoğlu,

Can Eyigör, Meltem Uyar, Osman Hakan Gunduz, **2020**. Percutaneous Spinal Cord Stimulation for Failed Back Surgery Syndrome: A Retrospective Study , *Turkish Neurosurgery*, **doi:** 10.5137/1019-5149.JTN.30598-20.2 (SCI-E)

26. Akdeniz, F., Roozbeh, M., Akdeniz, E., Khan, N. M. (2022). Generalized difference-based weighted mixed almost unbiased liu estimator in semiparametric regression models. *Communications in Statistics-Theory and Methods*, 51(13), 4395-4416.

27. Alperen Akbulut, Ayca Ciprut, Esra Akdeniz, **2021**. Translation and Validation of the Music Related Quality of Life Questionnaire for Adults with Cochlear Implant in Turkish Language, *European Archives of Oto-Rhino-Laryngology*, 2021 Feb 18. **doi:** 10.1007/s00405-021-06693-w

28. Hursitoglu, M., Kural, A., Kuras, S., Akdeniz, E., Sezer, S., Suzen Caypinar, S., ... Zafer Guven, H. (2021). Maternal Gut Microbiota in Pregnancies Resulting in Down Syndrome Newborns—a Pilot Study. *Acta Clinica Croatica*, 60(4.), 722-730.

29. Feyza Gündüz, Haluk Tarik Kani, Esra Akdeniz, **2021**. Evaluation of the impact of metabolic syndrome on fibrosis in metabolic dysfunction-associated fatty liver disease, *Turkish Journal of Gastroenterology* 2021 Aug;32(8):661-666. doi: 10.5152/tjg.2021.20512

30. Ekinci I, Hursitoglu M, Tunc M, Kazezoglu C, Isiksacan N, Yurt S, Akdeniz E, Eroz E, Kumbasar A. Adrenocortical System Hormones in Non-Critically Ill COVID-19 Patients. *Acta Endocrinol (Buchar)*. 2021 Apr-Jun;17(1):83-89. doi: 10.4183/aeb.2021.83. PMID: 34539914; PMCID: PMC8417496.

31. Satıcı, S., Derinsu, U., Akdeniz, E. Evaluation of self-esteem in hearing aid and cochlear implant users. *Eur Arch Otorhinolaryngol* (2022). <https://doi.org/10.1007/s00405-022-07773-1>

32. Ozgen, Z., Orun, O., Atasoy, B.M. et al. Radiation pneumonitis in relation to pulmonary function, dosimetric factors, TGF β 1 expression, and quality of life in breast cancer patients receiving post-operative radiotherapy: a prospective 6-month follow-up study. *Clin Transl Oncol* (2022). <https://doi.org/10.1007/s12094-022-03024-1>

33. Ozturk, R., Karlsson, P., Hu, X., Akdeniz, E., Surucu, S., Isak, B. (2022). Stereological and electrophysiological evaluation of autonomic involvement in amyotrophic lateral sclerosis. *Neurophysiologie Clinique*, 52(6), 446-458.

34. Topcu, M. T., Ciprut, A., Akdeniz, E. (2022). Hearing Aid Use on Audit Temporal Temporal Processing in Conductive Hearing Loss. *B-ENT*, 18(3), 162-169.

35. Midi, I., Ciftci, A. C., Ekincikli, B. T., Akdeniz, E., Ozden, H. O., Babashova, L., Baltacioglu, F. (2022). Neutrophil and lymphocyte ratio in craniocervical artery dissection and prognostic correlations of the blood biomarkers. *Neurology Asia*, 27(1).

36. Yilmaz, E., Uzuner, A., Bajgora, M., Dogan, B., Altikardes, Z., Kavakli Geris, B., Akdeniz, E. (2022). Effect of eTansiyon smartphone application on hypertension control. *Primary Health Care Research and Development*, 23, E64. doi:10.1017/S146342362100058X

37. Tuncer, F. D., Dogu, D., Akdeniz, E. (2021). Efficiency of preprocessing methods for discrimination of anatomically similar pine species by NIR spectroscopy. *Wood Material Science and Engineering*, 1-10.

38. Akbulut, F., Pınar, E., Çekiç, E., Akdeniz, E., Harman, F. (2024). Radiologic Examination of High Riding Vertebral Artery and Analysis of Secure Areas. *World Neurosurgery*.

- 39.** Guvenc, Y., Topal, B., Verimli, U., Biyikli, E., Akdeniz, E., Ziyal, İ. (2024). Posterolateral Paramass Approach to lesions located at the anterior C1-2 level: a cadaver study. *World Neurosurgery*, 186, e566-e576.
- 40.** Kesim, S., Genc, Z. C. B., Soydemir, E., Baltacioglu, F., Kissa, T. N., Ozdemir, B., ... Ones, T. (2024). Evaluating therapeutic efficacy of extended shelf-life 90Y glass microspheres in transarterial radioembolization for colorectal cancer: a quantitative FDG PET/CT analysis. *Nuclear Medicine Communications*, 45(4), 268-277.
- 41.** Öztürk Karaburun, S., Çiprut, A.A. , Akdeniz, E. (2025). Development of a quick speech in noise test in Turkish, based on Quick-SIN. *Egypt J Otolaryngol* 41, 41.
- 42.** Akbulut, N. Y., Düzkalır, H. G., Günbey, H. P., Özkaptan, S. D., Akdeniz, E., Barut, B. O. (2025). Determinants of clinical response in possible normal pressure hydrocephalus. *Acta Neurologica Belgica*, 1-7.
- 43.** Ery"uksel, E., Tunca, Z., Mercancı, Z., Kılıç, S. S., Kocakaya, D., Akdeniz, E., Akkoç, T. (2024). Stem cell treatment reduces T cell apoptosis in COPD patients with chronic bronchitis but not with emphysema. *Tissue and Cell*, 89, 102452.

Publications in other indexed journals

- 1.** Akdeniz Duran, E., Akritas, M.G., **2006**. Wald-Type statistics in heteroscedastic linear models. *Selçuk Journal of Applied Mathematics*, 7(2), 91-101.
- 2.** Akdeniz Duran, E., Akdeniz, F., Wan, A.T.K. ve Chen, T., **2007**. Further results on the generalized Liu-type estimators under the balanced loss function. *Model Assisted Statistics and Applications*, 2(4), 213-223.
- 3.** Kardiyen, F., Akdeniz Duran, E., Yiğit, E. **2011**. A Monte Carlo comparison of likelihood based constructive heteroscedasticity tests for the market model, *Dokuz Eylül Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi*, 26(2), 135-144.
- 4.** Akdeniz Duran, E., Guo, M., Haerdle, W. **2011**. A confidence corridor for expectile functions, SFB 649 Berlin Humboldt University Technical Report.
- 5.** Akdeniz Duran, E., Pamukçu, A., Bozkurt, H. **2014**. Comparison Of Data Mining Techniques For Direct Marketing Campaings. *Sigma Journal of Engineering and Natural Sciences*, 32, 142-152.
- 6.** Bozdağ, Halenur; Ögütcüoğlu, Fatma Bilge Servi; Güzin, K.; Kabaca Kılıç, Sedef Rukiye; Akdeniz Duran, Esra; Topdağı, Aydın; Göçmen, A., **2015**. "The frequency and fetomaternal outcomes of early-and-late-onset preeclampsia: The experience of a single tertiary health center in the bustling metropolis of Turkey, *İstanbul Medeniyet Medical Journal*, 30(4): 163-169.
- 7.** Ercan Kahya, Buğrayhan Bıkkici, and Esra Akdeniz, Homogeneity Analysis of Precipitation Series in Turkey, 12th International Congress on Advances in Civil Engineering Proceedings, İstanbul, Turkey, 21-23 September **2016**, doi: 10.13140/RG.2.2.36695.27044 (Full Text).
- 8.** Kamuran Cumhuri Değer, Hasan Erdem, Esra Duran Akdeniz, Ülfet Değer, Enver Reyhan, Oktay Irkörüçü, **2016**, Living with Ostomy: A Quality of Life Study, *Archives of Medical Science: Civilization Diseases*, 1: e106-e111, doi: 10.5114/amscd.2016.63182
- 9.** Meryem Hocaoglu, Aynur Adeviye Erşahin, Esra Akdeniz, **2017**. Evaluation on the Practice and Behaviour of Women Applied for Gynecology Outpatient Clinics About Screening Meth-

ods for Early Diagnosis of Breast Cancer, *European Journal of Breast Health*, 13, 150-155, **doi:** 10.5152/tjbh.2016.3230.

10. Birsen Eygi Erdoğan, Erol Eğrioğlu, Esra Akdeniz, **2017**. Support Vector Machines vs Multiplicative Neuron Model Neural Network in Prediction of Bank Failures, *American Journal of Intelligent Systems*, 7 (5), 125-131.

11. Ersan Arda, Basri Çakıroğlu, İlkan Yüksel, Esra Akdeniz, Gizem Çetin, **2017**. Medical Expulsive Therapy for Distal Ureteral Stones: Tamsulosin versus Silosidin in the Turkish Population, *The Cureus Journal of Medical Science*, 8 (2), 121-132.

12. Bozdağ, H., Fatma Bilge Selvi Ögütçüoğlu, Akdeniz E., Canan Satır Özel, Kemal Sandal, Ilke Mungan Akın, Ahmet Göcmen, **2017**. Postpartum Resolution Time Of Proteinuria After Delivery In Women With Preeclampsia is A Good Predictor Of Poor Maternal Outcomes, *Nobel Medicus*, 13 (2), 57-62 (E-SCI).

13. Ersan Arda, Basri Çakıroğlu, İlkan Yüksel, Esra Akdeniz, Nusret Çilesiz, **2018**. Valuation of Neutrophil/Lymphocyte Ratio in Renal Cell Carcinoma Grading and Progression, *The Cureus Journal of Medical Science*, **doi:** 10.7759/cureus.2051.

14. Esra Akdeniz, Erol Eğrioğlu, Eren Baş, Ufuk Yolcu, **2018**, “An ARMA Type Pi-Sigma Artificial Neural Network for Nonlinear Time Series Forecasting”, *Journal of Artificial Intelligence and Soft Computing Research*, 8 (2), 121-132. (ESCI) **doi:** <https://doi.org/10.1515/jaiscr-2018-0009>

15. Halenur Bozdağ, Esra Akdeniz, Ömer Gökhan Eyisoy, **2018**, Changing Trend of Tubal Ectopic Pregnancy Management during the Experience of Seven Years, *Türkiye Klinikleri Journal of Gynecology and Obstetrics (Türkiye Klinikleri J Gynecol Obst)*, **doi:** 10.5336/jcog.2018-60531.

16. Halenur Bozdağ, Ergül Demirçivi Bör, Esra Akdeniz, **2018**, The predictive value of total leukocyte count and leukocyte differential for severe preeclampsia, *Perinatal Journal*, 26 (1): 25-31. **doi:** 10.2399/prn.18.0261007

17. Ersan Arda, Basri Çakıroğlu, Esra Akdeniz, İlkan Yüksel, Gizem Çetin, Süleyman Hilmi Aksoy, **2018**, Comparison of Turkish Primary, Recurrent and Non-stone Former Patients using Hounsfield Unit Measurements: How useful is it?, *Current Urology*, 2018;12:158-163, **doi:** <https://doi.org/10.1159/000489435>

18. Meryem Hocaoglu, Abdülkadir Turgut, Kadir Güzin, Oğuz Devrim Yardımcı Taner Günay, Ergül Demirçivi Bör, Esra Akdeniz, Ateş Karateke, **2019**, Why some pregnant women refuse glucose challenge test? Turkish pregnant women's perspectives for gestational diabetes mellitus screening, *Northern Clinics of İstanbul*, 1(6), 7-12, **doi:** 10.14744/nci.2018.37167

19. Meryem Hocaoglu, A. Turgut, E. Akdeniz, A. Usta, A.A. Erşahin, A. Karateke, **2019**. Predictive value of neutrophil to lymphocyte ratio, lymphocyte to monocyte ratio and mean platelet volume for pelvic inflammatory disease, *Clinical and Experimental Obstetrics and Gynecology*, ISSN:0390-6663 XLVI, n.1, **doi:** 10.12891/ceog4263.2019.

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21. Ersan Arda, İlkan Yüksel, Hakan Akdere, Esra Akdeniz, Tülin D Yalta, Tefik Aktoz, Gulay D Altun, **2019**. Contrary effects of coenzyme Q10 and vitamin E after testicular ischemia reperfusion in a rat model validated with glucose metabolism imaging, *Urologia Journal*, ESCI, **doi:**

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- 22.** Kürşad Aytekin, Murat Uysal, Esra Akdeniz, Selcuk Takır **2020.** Orthopedic trauma or surgery does not effect on cognitive or behavioral capability of rats, *Annals of Medical Research*, 27 (6): 1571-9
- 23.** Güneş, T., Yazıcı, E.L., Isak, Barış, Soylemez, C., Erdal Y., Emre, U., Akdeniz, E., **2020.** The Simple and Fast Swallowing Function Assessment in Acute Stroke Patients, *Northern Clinics of İstanbul*, **doi:** 10.14744/nci.2019.00821
- 24.** Beste Atasoy, Kıvanc Bektaş Kayhan; Birsan Demirel; Esra Akdeniz, **2020.** Supporting the Barrier Function Against Radiation-Induced Mucositis May Have a Benefit for the Nutritional Status and Quality of Life in Head and Neck Cancer Patients Receiving Radiotherapy, *Turkish Journal of Oncology*, 35(1), 40-46. **doi:** : 10.5505/tjo.2019.2161
- 25.** Kürşad Aytekin, Özkan Özen, Natalya Özen, Esra Akdeniz, Cem Zeki Esenyel, **2020.** Exposure to Live in Geographically Steep Terrain Decreases Patella Height and Increases the Incidence of Patella Baja, *Eurasian Journal of Medical Investigation*, 4(2):161-168, **doi:** 10.14744/ejmi.2020.27300
- 26.** Kürşad Aytekin, Ashhan Duman, İlkey Çınar, Feyza Yıldız Aytekin, Şahin Direkel, Esra Akdeniz, Selçuk Takır, Cem Zeki Esenyel **2020.** Evaluating the Safety of Sodium Hypochlorite Usage as an Irrigation Solution in Acute Osteomyelitis: an Experimental Study in Rat Tibia via a Renewed Osteomyelitis Model, *European Archives of Medical Research*, 36(2): 141-9
- 27.** Feyza Gündüz, Haluk Tarık Kani, Shannon Chang , Esra Akdeniz , Fatih Eren, Yusuf Yılmaz, Yeşim Özen Alahdab **2020.** Effect of carbon dioxide versus room air insufflation on post-colonoscopy pain: A prospective, randomized, controlled study, *Turk J Gastroenterol* , 31(10): 676-80.
- 28.** Taşçı, A.İ., Akdeniz E., Olgu Temelli Klinik Akıl Yürütme ve Karar Verme, Tıp Eğitimi Dünyası, 2020, 59, 97-107.
- 29.** Kursad Aytekin , Aslihan Duman, Feyza Yildiz Aytekin, Ilkay Cinar, Esra Akdeniz, Selcuk Takir, Cem Zeki Esenyel, **2020.** Evaluation of Necrotic, Edematous and Inflammatory Changes in Bone Marrow and Soft Tissue After Irrigation with Different Concentrations of NaOCl Solution: An Experimental Study in Rat Tibia, *Eurasian J Med* ; 52(3): 243-8.
- 30.** Ersan Arda, Murat Akgul, Gulce Iskan, Esra Akdeniz, **2021.** The value of hematological inflammatory parameters in the differential diagnosis of testicular torsion and epididymorchitis, *American Journal of Clinical and Experimental Urology*.
- 31.** MH Halenur Bozdog, Esra Akdeniz, Dondu Demirel Durukan, Erol Arslan, **2021.** Is mediolateral episiotomy angle associated with postpartum perineal pain in primiparous women? , *Northern Clinics of İstanbul*
- 32.** Ali Ihsan Tasci, Esra Akdeniz, **2021.** Case-Based Clinical Reasoning And Decision Making Model, *The New Journal of Urology* 16 (1), 53-39.
- 33.** Berna Terzioğlu Bebitoğlu, E. Oğuz, N. Acet, Esra Akdeniz, Özlem Sarıkaya, **2021.** The short-and long-term effects of a course on rational drug use: a comparative study between prefinal- and final-year undergraduate medical students who attended the course, *Journal of Education and Health Promotion* , **doi:** 10.4103/jehp.jehp15220
- 34.** Tas, T., Çakiroğlu, B., Akdeniz, E., Hazar, I. A., Balci, C. (2021). Virtual reality simulator face validity for topographic real situation of inflated abdomen. *Hellenic Urology*, 33(2), 35.

35. Gayef, A., Emre, O., Akdeniz, E., Gülpınar, M. A. (2024). The evaluation of the processes of problem based learning tutorials: Online or face-to-face?. *Marmara Medical Journal*, 37(1), 92-99.
36. Onay, T., Gulpınar, M.A., Akdeniz, E., Saracoglu, M., (2024) Determining The Effectiveness Of A Virtual Service / Patient-Based Education Program On Patient Care And Clinical Decision Making In Nursing: A Quasi-Experimental Study, *Northern Clinics of Istanbul*, Manuscript number: NCI-2024-6-5/R1, Accepted
37. Gurkan, S. Y., Akdeniz, E., Gulpınar, M. A. (2025). Mediating effect of psychological resilience in the relationship between cognitive emotion regulation and emotional well-being of medical students. *Northern Clinics of Istanbul*, 12(1), 111.
38. Ozdemir, M., Turan Yurtsever, N., Akdeniz, E., Bugdayci, O. (2025). Age and sex estimation by cranial and paranasal sinus metric measurements of Turkish citizens using PLS methods. *Canadian Society of Forensic Science Journal*, 58(1), 20-33.
39. Akdeniz E, Gülpınar MA. Altı adımda veri analizi: göğüs cerrahisi uygulaması. Çobanoğlu U, editör. *Göğüs Cerrahisinin Temel Eğitimi*. 1. Baskı. Ankara: Türkiye Klinikleri; 2023. p.92-8.
40. Eğilmez, O. K., Can, S., Kalcioğlu, M. T., Tan, B. D., Yılmaz, S., Yiğit, Ö., Akalin, I. (2023). DNA methylation in hearing-related genes in non-syndromic sensorineural hearing loss patients. *The Egyptian Journal of Otolaryngology*, 39(1), 186.

Chapters in Books

1. Akdeniz Duran, E., Akdeniz, F. **2005**. The Lawless Wang’s operational ridge regression estimator under the linex loss function. *Advances on Models Characterizations and Applications*, 201-213, Vol.180, CRC Press.
2. Akdeniz, F., Akdeniz, E., **2025**. Restricted Liu-type Regression Estimators in Linear Regression Model. *Advances in Shrinkage and Penalized Estimation Strategies*, Springer (Accepted)

Projects

A Research on the relation between modernism and childbearing desires in Turkey, *Researcher*, The Scientific and Research Council of Turkey, 3501 Project, Project Number: 113K073, 2013-2016.

ADVISING

- PhD Secondary Advisor for F. Diğdem Tuncer, **Thesis topic:** The Feasibility of Near Infrared Spectroscopy for Classification of Pine Species, 2015-2020.
- PhD Advisor for Ali İhsan Taşçı, **Thesis topic:** Adaptation of Mini CEX for Professionalism for Medical Education in Turkey , 2020-present.
- PhD Advisor for Sezen Milli Avtan, **Thesis topic:** Efficiency of Simulation-based Learning in Medical Education, 2021-present.
- PhD Advisor for Esra Sağlam, **Thesis topic:** The Effect of Distance Education Applied in the Covid 19 Pandemic Process on Education in Medical Faculties, 2021-present.
- PhD Advisor for Birsen Özdemir, **Thesis topic:** Measuring and Evaluating Clinical Reasoning with a Virtual Patient Simulator: A Study of Learning Analytics, 2022-present.
- PhD Advisor for Adile Berna Dursun, **Thesis topic:** Experiences of Foreign Students in Medical Education in Turkey, 2022-present.

International Conference Presentations

1. Akdeniz Duran, E.*, Akritas, M., Wald-Type statistics in heteroscedastic linear models, AMSE International Conference on Modelling and Simulation, Konya, Turkey, 28-30 August 2006 (Oral presentation).
2. Akdeniz Duran, E.*, Akdeniz, F., Restricted combined ridge-stein(Liu-type) estimator in semi-parametric regression models, 7th World Probability and Statistics Congress, Singapore, 14-19 July 2008 (Oral presentation).
3. Akdeniz Duran, E.*, Akdeniz, F., Efficiency of the modified jackknifed Liu-type estimator, 18th International Workshop on Matrices and Statistics, Smolenice Castle, Slovak Republic, 23-27 June 2009 (Oral presentation).
4. Akdeniz Duran, E.*, Uniform confidence bands for expectile regression, Humboldt University of Berlin Haindorf Seminar, Hejnice, Czech Republic, 9-12 February 2010 (Oral presentation).
5. Akdeniz Duran, E.*, Haerdle, W., Osipenko, M., Determinants of electricity demand in Germany: semiparametric model approach, 7th International Statistics Congress, Antalya, Turkey, 28 April-1 May 2011 (Oral presentation).
6. Akdeniz Duran, E.*, Expectile function as a risk measure, International Conference on Mathematical Finance and Economics, İstanbul, Turkey, 6-8 July 2011 (Oral presentation).
7. Akdeniz Duran, E.*, Jackknife-type difference-based ridge and Liu estimators in partially linear regression models with correlated errors, 13th International Econometrics, Operations Research and Statistics Conference, Gazimagusa, North Cyprus, 24-26 May 2012 (Oral presentation).
8. Akdeniz Duran, E.*, Akdeniz, F., Öztürk, F., Jackknife-type ridge and Liu estimators in semi-parametric regression models: a geometric view, 8th World Congress in Statistics and Probability, İstanbul, Turkey, 9-14 July 2012 (Oral presentation).
9. Akdeniz Duran, E.*, Jackknifing difference-based estimators in partial linear models, 8th International Statistics Congress, Eskişehir, Turkey, 11-13 October 2012 (Oral presentation).
10. Akdeniz Duran, E.*, Forecasting Turkey house price index using vector error correction model, ENBIS (European Network for Business and Industrial Statistics), Ankara, 17-22 September 2013 (Oral presentation).
11. Güzin, K., Bozdağ, H.*, Usta, A., Kabaca, S., Yılmaz, B., Göynümer, G., Göçmen, A., Akdeniz Duran, E., The accuracy of frozen section, diagnosis of ovarian masses and the clinical properties of the borderline tumors, The 18th International Meeting of the European Society of Gynaecological Oncology (ESGO 2013), 19-22 October 2013 (Poster).
12. Kürüm, E., Akdeniz Duran, E.*, Varying coefficient nonlinear quantile regression models, 9th International Statistics Days Symposium, Antalya, 10-14 May 2014 (Oral presentation).
13. Akdeniz Duran, E., Efficiency of the generalized differenced-based Liu estimators in semiparametric regression models with correlated errors, LinStat2014, Linköping, İsveç, 24-28 August 2014. (Computation-Intensive Methods in Regression Models session (invited)).
14. Akdeniz Duran, E.*, A New Difference-based Weighted Mixed Liu Estimator in Partially Linear Models, 7th International Conference of the ERCIM WG on Computational and Methodological Statistics (ERCIM 2014), Pisa, Italy, 6-8 December 2014 (Oral presentation).

- 15.** Akdeniz Duran, E., Generalized difference-based weighted mixed almost unbiased Liu estimator in partially linear models, Haikou, Çin Halk Cumhuriyeti, Hainan Normal Universtiy, 25-28 May 2015.(G-Inverses, Linear Models and Multivariate Analysis special session)
- 16.** Akdeniz Duran, E.*, Eğrioglu, E., An ARMA Type Pi-Sigma Artificial Neural Network for Nonlinear Time Series Forecasting, 9th International Statistics Congress, 28 September-1 November 2015 (Oral presentation).
- 17.** Birsen Eygi Erdoğan*, Erol Eğrioglu, Esra Akdeniz Duran, Prediction of Bank Failures via Machine Learning Techniques using Pooled Panel Financial Data, EURO 2015 - 27th European Conference on Operational Research ? Glasgow, 12-15 July 2015 (Oral presentation).
- 18.** Oğuz Kadir Eğilmez*, M. Tayyar Kalcıoğlu, Berna Demircan Tan, Muhammet Tekin, Sarenur Yılmaz , Özgür Yiğit, Muhammed Yusuf Durna, Esra Akdeniz Duran , İbrahim Akalın, Investigation of epigenetic modifications in patients with nonsyndromic sensorineural hearing loss, 12th Annual British Academy of Audiology, Yorkshire, UK, 26-27 November 2015 (Poster).
- 19.** Ercan Kahya, Buğrayhan Bıkcıci*, and Esra Akdeniz, Homogeneity Analysis of Precipitation Series in Turkey, 12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21-23 September 2016, DOI: 10.13140/RG.2.2.36695.27044 (Oral presentation, Full Text).
- 20.** K. Terali* , Ö.C. Özkan, Ö. Çetin , K.C. Ugurlu , E. Akdeniz, The Contribution of Elevated Foetal Haemoglobin Levels to a Relatively Mild Clinical Phenotype in Turkish Cypriot Patients with β -Thalassaemia, 41st Federation of European Biochemical Societies (FEBS) congress, Kusadası, Turkey, 3-8 September 2016 (Oral presentation).
- 21.** Nural Bekiroğlu*, Yüksel Özkan, Esra Akdeniz, Optimal separation of training and test sets for CART models: An application, 1st International Congress of Biostatistics, Antalya, Turkey, 26-29 October 2016 (Oral presentation).
- 22.** Esra Akdeniz*, Nural Bekiroğlu, Yüksel Özkan, Variable selection in Cox regression models, 1st International Congress of Biostatistics, Antalya, Turkey, 26-29 October 2016 (Oral presentation).
- 23.** Yüksel Özkan*, Esra Akdeniz, Nural Bekiroğlu, Comparison of data mining techniques: an application, 1st International Congress of Biostatistics, Antalya, Turkey, 26-29 October 2016 (Oral presentation).
- 24.** Esra Akdeniz, Jackknife-Type Ridge Estimator in Semiparametric Regression Models, International Conference On Trends and Perspectives In Linear Statistical Inference, İstanbul, Turkey, 22-25 August 2016 (Oral presentation).
- 25.** Halenur Bozdağ*, Esra Akdeniz, Ergül Demirçivi Bör , Kemal Sandal, The Predictive Value of Total Leukocyte Count or Leukocyte Differentials for Severe Preeclampsia, 25th European Congress of Obstetrics and Gynaecology, Antalya, Turkey, 17-21 May 2017 (Poster).
- 26.** Halenur Bozdağ*, Esra Akdeniz, Gökhan Eyisoy, A Seven Year Experience of The Changing Management of Ectopic Pregnancy, 25th European Congress of Obstetrics and Gynaecology, Antalya, Turkey, 17-21 May 2017 (Poster).
- 27.** Halenur Bozdağ*, Esra Akdeniz, Belgin Devranoğlu, Murat Haksever, Bülent Emre Bilgiç, Hüseyin Tayfun Kutlu, Decreased Fertilization Achievement in Bologna Poor Responders is Related to Oocyte Cytoplasmic Abnormalities, 25th European Congress of Obstetrics and Gynaecology, Antalya, Turkey, 17-21 May 2017 (Poster).

- 28.** Kerem Teralı*, Mahmut Çerkez Ergören, Esra Akdeniz, Genetic Modifiers of HbF Production and Effects of Elevated HbF Levels on Clinical Phenotype: The Case of Turkish Cypriot Patients with β -Thalassemia, European Biotechnology Congress, 25-27 May 2017, Dubrovnik, Croatia (Poster).
- 29.** Meryem Hocaoglu, Abdulkadir Turgut, Özkan Özdamar, Selin Demirer, Esra Akdeniz, Ates Karateke, The Role of Neutrophil to Lymphocyte Ratio and Mean Platelet Volume in The Prediction of Endometriosis, 2017 International Pelvic Pain Society (IPS) Meeting and 1st Congress of Society of Pelvic Pain and Endometriosis, İstanbul, 4-6 May 2017 (Poster).
- 30.** Meryem Hocaoglu*, Abdulkadir Turgut, Özkan Özdamar, Selin Demirer, Esra Akdeniz, Ates Karateke, Abdominal Wall Endometriosis Following Ceasarean Section: Is It Really a Rare Condition?, 2017 International Pelvic Pain Society (IPS) Meeting and 1st Congress of Society of Pelvic Pain and Endometriosis, İstanbul, 4-6 May 2017 (Poster).
- 31.** Meryem Hocaoglu*, Abdulkadir Turgut, Esra Akdeniz, Akın Usta, Atecs Karateke, Predictive Value of Neutrophil to Lymphocyte Ratio and Mean Platelet Volume for Pelvic Inflammatory Disease, , 25th European Congress of Obstetrics and Gynaecology, Antalya, Turkey, 17-21 May 2017 (Oral presentation).
- 32.** Meryem Hocaoglu*, Abdulkadir Turgut, Esra Akdeniz, Ateş Karateke, Turkish Pregnant Women's Knowledge and Practice of Screening Test For Gestational Diabetes, 25th European Congress of Obstetrics and Gynaecology, Antalya, Turkey, 17-21 May 2017 (Poster).
- 33.** Ersan Arda*, Basri Çakiroğlu, Esra Akdeniz, Medical expulsive therapy for distal ureteral Stones: Tamsulosin versus silodosin in the Turkish Population, 35th World Congress of Endurology, Vancouver, Canada, 17-21 September 2017 (Poster).
- 34.** Esra Akdeniz*, Ufuk Beyaztaş, Beste Beyaztaş, A Robust Monte Carlo Approach for Interval-Valued Data Regression 10th International Statistics Congress, Ankara, Turkey, 6-8 December 2017 (Oral presentation).
- 35.** Betül Hiçdurmaz*, Esra Akdeniz, A New Fractional Differencing Algorithm for ARFIMA ICAME'18, International Congress on Applied Mathematics and Engineering, 27-29 June 2018.
- 36.** Halenur Bozdağ*, Esra Akdeniz, Döndü Demirel Durukan, Primipar Kadınlarda Farklı Mediolateral Epizyotomi Açıkları Ve Perineal Ağrı Arasındaki İlişki, 6th International Gynecology Congress, İstanbul, 6-9 Eylül 2018.
- 37.** Esra Akdeniz*, Fikri Akdeniz, Mahdi Roozbeh, A new difference-based weighted mixed Liu estimator in partially linear models, 10th Conference of the Eastern Mediterranean Region of the International Biometric Society (EMR-IBS), Jerusalem, İsrail, 17-21 December 2018.
- 38.** F. Diğdem Tuncer*, Esra Akdeniz, Ayşe Doğu, The Feasibility of Near Infrared Spectroscopy for Classification of Pine Species, International Conference on Data Science, Machine Learning and Statistics, Van, Türkiye, 26-29 June 2019. (Oral presentation)
- 39.** Akdeniz, E., Ciftci, A.C., Ipsalali, H.O., Vatansever, S.N., Ozberk, E., Kaki, I., Saygicak, O.F., Effects of Emotional Intelligence on Academic Success and Academic Motivation of Pre-Clinical Medical Students in Turkey, International Social and Educational Science Symposium (ISESS), İstanbul, Türkiye, 22-23 February 2020. (Oral presentation)
- 40.** Taşçı, A. İ., Akdeniz, E., Structured oral exam with case based clinical reasoning and decision model, 10. Eurasia Urooncology Congress, İstanbul, Türkiye, 27 June 2020.

41. Taşçı, A. İ., Akdeniz, E., Case-based clinical reasoning and decision making model, 10. Eurasia Urooncology Congress, İstanbul, Türkiye, 27 June 2020.

42. Taşçı, A. İ., Akdeniz, E., Case-based clinical reasoning and decision making, 10. Eurasia Urooncology Congress, İstanbul, Türkiye, 27 June 2020.

43. Kani H.T., Demirtaş C., Keklikkiran Ç., Ergenç I., Mehdiyev S., Akdeniz E., Yılmaz Y., Is Metabolic Syndrome A Predicting Factor For Fibrosis In Non-Alcoholic Fatty Liver Disease?, United European Gastroenterology Week, RAI Amsterdam, The Netherlands, 10-14 October 2020. <https://www.abstractserver.com/ueg2020/absmgm/> (accepted for oral presentation)

National Conference Presentations

1. Akdeniz, F.*, Akdeniz Duran, E. , Generalized Liu-type estimators under Zellner's balanced loss function, 5th Statistics Days Symposium Antalya, Turkey, 24-27 May 2006. (Oral presentation).

2. Kardiye, F.*, Akdeniz Duran, E., Yiğit, E., A Monte Carlo comparison of likelihood based constructive heteroscedasticity tests for the market model, 9th Econometrics and Statistics Symposium, Kuşadası, Turkey, 28-30 May 2008. (Oral presentation).

3. Oğuz Kadir Eğilmez*, M. Tayyar Kalcıoğlu, Berna Demircan Tan, Muhammet Tekin, Sarenur Yılmaz , Özgür Yiğit, Muhammed Yusuf Durna, Esra Akdeniz Duran , İbrahim Akalın, Prelin-gual non-sendromik sensörinöral işitme kaybı bulunan hastalardaki epigenetik modifikasyonların araştırılması, 37. Türk Ulusal Kulak Burun Boğaz ve Baş Boyun Cerrahisi Kongresi, 28 Ekim-1 Kasım 2015, (Oral presentation).

4. Kamuran Cumhuri Değer*, Hasan Erdem, Esra Akdeniz Duran, Ülfet Değer, Enver Reyhan, Oktay İrkörücü, Ostomi ile yaşamak; bir hayat kalitesi çalışması, 13th National Hepato Gastroenterology Congress, Antalya, Turkey, 27 Nisan-1 May 2016. (Poster).

5. Ali Bilgen*, Umut Emre Aykut, Yeşim Özen Alahdab, Tarık Kani, Esra Akdeniz, Osman Özdoğan, Feyza Gündüz, Hepatoselüler kanserde D vitamini ile yaşam süresi arasındaki ilişki, 33. Ulusal Gastroenteroloji Haftası, Antalya, Turkey, 22-27 Kasım 2016 (Oral presentation).

6. Meryem Hocaoglu*, Aynur Adeviye Erşahin, Esra Akdeniz, “” Jinekoloji Polikliniği'ne Başvuran Hastalarda Meme Kanseri Erken Tanı Yöntemlerinin Araştırılması: Bir Hastane Bazlı Çalışma”, E14. Ulusal Jinekoloji ve Obstetrik Kongresi, Antalya, Turkey, 5-9 Ekim 2016 (Poster).

7. Halenur Bozdağ*, Esra Akdeniz, Belgin Devranoglu, Murat Haksever, Bülent Emre Bilgiç, Tayfun Kutlu, Matur Oosit Morfoloji Anomalilerinin Bologna Kriterlerine göre Kötü Yanıtlı İnfertil Kadın Grubunda Fertilizasyon Oranı Üzerine Etkisi, 35. Zeynep Kamil Jineko-Patoloji Kongresi, 17-18 Kasım 2017 (Oral presentation).

8. Kürşad Aytekin, Aslıhan Duman, Feyza Yıldız Aytekin, Esra Akdeniz, Selçuk Takır, Cem Zeki Esenyel, Enfeksiyonu önlemek amacıyla NaOCl'nin irrigasyon solüsyonu olarak araştırılması: rat tibiasında in-vivo deneysel çalışma, 28. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, Antalya, Turkey, 30 Ekim - 4 Kasım 2018 (Oral presentation).

9. Nesrin Çağlayan Duman, Özlem Özdemir Işık, Esra Akdeniz, Ayşe Çefle, Atila Karaalp, Nevsun İnanç, Romatoid artrit tanılı hastaların gebelik öncesi, gebelik ve gebelik sonrası dönemlerinde ilaç kullanım durumunun değerlendirilmesi, XX. Ulusal Romatoloji Kongresi, 16-20 Ekim 2019, Antalya, Türkiye (Oral presentation).

10. Nesrin Çağlayan Duman, Özlem Özdemir Işık, Esra Akdeniz, Ayşe Çefle, Nevsun İnanç, Atila

Karaalp, Romatoid artrit tanılı hastaların gebelik öncesi, gebelik ve gebelik sonrası dönemlerinde DAS28, HAQ ve ESR değerlerinin değerlendirilmesi, XX. Ulusal Romatoloji Kongresi, 16-20 Ekim 2019, Antalya, Türkiye (Poster).

11. Zehranur Ünal, Çiğdem Apaydın Kaya, Serpil Çeçen, Esra Akdeniz, Adolesanlarda Emosyonel Yeme ve İlişkili Faktörlerin Araştırılması, 15. Aile Hekimliği Araştırma Günleri, 21-23 Kasım 2019, Bursa, Türkiye. (Oral presentation)

12. Emre Yılmaz, Arzu Uzuner, Mensur Bajgora, Buket Doğan, Zehra Aysun Altıkardes, Burçin Kavaklı Geriş, Esra Akdeniz, E-Tansiyon Akıllı Telefon Uygulamasının Hipertansiyon Kontrolüne Etkisi, 14. Aile Hekimliği Araştırma Günleri, 11-13 Nisan 2020, İstanbul, Türkiye. (Oral presentation)

13. Taşçı, A.İ., Akdeniz, E., Klinik Nedenselleştirme ve Karar Vermede Olgu Temelli Öğrenme/değerlendirme Modeli ile Yapılandırılmış Sözlü Sınav Uygulaması, İstanbul, Türkiye 12-14 Ekim 2020, Ulusal Tıp Eğitimi Kongresi.

HONORS AND AWARDS

- Graduated cum laude from Middle East Technical University, 2002
- Turkish Ministry of Education Scholarship for Master of Science education in USA, 2003-2005
- Eberly College of Science Scholarship, The Pennsylvania State University, 2003-2004
- Best poster award in Statistics Alumni Workshop, The Pennsylvania State University, 2004
- The Scientific Technological Research Council of Turkey National Scholarship for PhD Students, 2006-2011
- Jean Monnet Scholarship Programme for doing research at Humboldt University of Berlin, Germany, 2009-2010

PROFESSIONAL AND ADMINISTRATIVE EXPERIENCE

Marmara University, İstanbul, Turkey

- *Member of School of Medicine Measurement and Evaluation Committee*, **2019- present**
- *Member of School of Medicine Program Evaluation Committee*, **2019 - 2022**
- *Coordinator of School of Medicine Program Evaluation Committee*, **2022 - present**
- *Member of Academic Incentive Committee of Basic Medical Sciences*, **2019, 2020, 2022**
- *Coordinator of the Course 3.3(Nervous System and Related Disorders)*, **2022-present**
- *Coordinator of Introduction to the Clinical Practice Year One, Introduction to Student Research and Computer Skills Module*, **2022-present**
- *Department Head, School of Medicine, Department of Medical Education, Marmara University* **2023-present**

İstanbul Medeniyet University, İstanbul, Turkey

- *Head of Department of Biostatistics*, **May, 2015 - August, 2016**
- *Head of Department of Statistics*, **October, 2012 - August, 2016**
- *Faculty council member*, **October, 2012 - August, 2016**
- *Faculty administrative council assistant professor representative*, **October, 2014 - August, 2016**

Conference organizations,

- *Organizing committee member, 9th International Statistics Congress, Antalya, Turkey*, **28 October-1 November 2015**
- *Scientific committee member, 2nd International Conference On Advances In Statistics, Zagreb*, **19-22 April 2016**
- *Scientific committee member, 3rd International Conference On Advances In Statistics, Helsinki*, **28-30 April 2017**

- *Scientific committee member, 1st International Web Conference on Forecasting, IWCF 2017, Turkey, 16-18 October 2017*
- *Organizing committee member, International Conference on Trends and Perspective in Linear Statistical Inference, Linstat 2016, İstanbul, Turkey, 22-25 August 2016*
- *Organizing committee member, 10th International Statistics Congress, Ankara, Turkey, 6-8 December 2017*

Journal boards,

- *Editorial Board member, Turkish Journal of Forecasting, March 2017-2018*
- *Consulting committee member, Turkish Clinics Biostatistics Journal, February 2017-present*
- *Statistical Consultant, Turkish Journal of Surgery, May 2025-present*

Scientific associations,

- *Board of directors member, Turkish Statistical Association, January 2014-2018*
- *International Society for Clinical Biostatistics 2018-present*
- *European Board of Medical Assessors 2019-present*
- *Tıp Eğitimi Geliştirme Derneği 2018-present*
- *Türk Tıp Eğitimi Derneği (Turkish Medical Education Association) 2018-present*
- *Tıp Eğitimi Geliştirme Derneği (Association for the Advancement of Medical Education) 2018-present*

COMPUTER SKILLS	• Advanced level in R, MATLAB, SPSS, SAS Enterprise Guide, SAS Enterprise Miner, Minitab
LANGUAGE SKILLS	• English: Fluent, TOEFL IBT: 101. • German: Intermediate, B 1.1 level certificate from Humboldt University of Berlin.
TRAININGS AND CERTIFICATES	• New Advances in Statistics Graduate Summer, Middle East Technical University, 11-24 August 2007. • Statistics of Financial Markets, Humboldt University of Berlin, 2009-2010. • Summer course on Non and Semiparametric Statistics by Prof. Byeong Park, Humboldt University of Berlin, 14-15 July 2010. • Introduction to Data Mining with IBM SPSS Modeler, Middle East Technical University, 7-8 October 2010. • Project Cycle Management, Ministry for EU Affairs, 30-31 July 2011. • SAS Enterprise Guide: Querying and Reporting, 28-29 February 2012. • Applied Analytics using SAS Enterprise Miner, 5-6 March 2012. • Project Management Workshop, İstanbul Medeniyet University, 23-25 January 2015. • Statistical learning, Stanford University online OpenEdX, 7 Nisan 2014. • Certificate of Medical Education, Marmara University, 24-26 November 2015. • Certificate of Clinical Skills Education, Marmara University, 26-27 October 2017. • Certificate of Psychometrics Applied To Healthcare Professions Education, European Board of Medical Assessors , 11-15 March 2019. • Certificate of Good Clinical Practice, Turkish Clinical Research Association, 23.10.2020 -11.10.2020.

TEACHING

Marmara University

- Statistical programming with R: (2014-2021)
- Statistical programming with Python: (2021-2022)
- Statistics for Medical Education (PhD): 2020-present
- Statistics for Medical Students: 2019-present
- Time series: 2014-2016

Galata University

- Statistics for Medical Students: 2021(Fall and Spring)

Bilgi University

- Research skills : 2021(Fall and Spring)

Medeniyet University

- Research skills : 2021(Fall and Spring)

Işık University

- Research skills : 2021(Fall and Spring)

Humboldt University

- Research skills : 2021(Fall and Spring)

Pennsylvania State University

- Research skills : 2021(Fall and Spring)

REFeree EXPERIENCE

Journal of Computational and Applied Mathematics, Journal of Multivariate Analysis, Journal of Statistical Planning and Inference, Journal of Inequalities and Applications, Communications in Statistics, Theory and Methods, Statistical Papers, Climacteric, Türkiye Klinikleri Biyoistatistik Dergisi, Gazi University Journal of Science