# Asst. Prof. CELAL AYDIN

## Personal Information

**Email:** aydinc@gazi.edu.tr
**Web:** https://avesis.gazi.edu.tr/aydinc

**International Researcher IDs**
ScholarID: ocpIs2UAAAAJ
ORCID: 0000-0001-8536-5022
Publons / Web Of Science ResearcherID: AIA-8369-2022
ScopusID: 57215095536
Yoksis Researcher ID: 113380

## Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 1985 - 1992
Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 1983 - 1985
Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Statistics, Turkey 1974 - 1981

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Kovaryans matrisi için bilgi verici olmayan önsel dağılım ve doğrusal olmayan modellerde parametre kestirimi, Gazi University, Fen Bilimleri Enstitüsü, 1992
Postgraduate, Bazı kuyruk modelleri ve bir benzetim uygulaması, Gazi University, Fen Bilimleri Enstitüsü, 1985

## Academic Titles / Tasks

Assistant Professor, Gazi University, Fen Fakültesi, İstatistik Bölümü, 1993 - Continues
Research Assistant, Gazi University, Fen Fakültesi, İstatistik Bölümü, 1982 - 1993

## Courses

Probability Theory, Undergraduate, 2021 - 2022
Mathematiksel İstatistik I, Undergraduate, 2021 - 2022
Sağlam İstatistiksel Sonuç Çıkarımı, Postgraduate, 2020 - 2021
Araştırma Projesi II, Undergraduate, 2020 - 2021
Araştırma Projesi I , Undergraduate, 2021 - 2022
Mathematical Statistics II, Undergraduate, 2020 - 2021

## Advising Theses

AYDIN C., Doğrusal olmayan modellerde tahminlere ilişkin güven bölgelerinin oluşturulması ve bir karşılaştırma, Postgraduate, A.ÇAĞLAR(Student), 1995
AYDIN C., Türkiye`de karayolu ile demiryolu ulaşım sistemlerinin karşılaştırılması, Postgraduate, A.BENLİ(Student), 1995

## Published journal articles indexed by SCI, SSCI, and AHCI

I. **Optimal bandwidth selection for a kernel density with a location-scale property**
Aydın C., Gündüz N., Balibeyoğlu J.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.50, no.7, pp.1671-1684, 2021 (SCI-Expanded)

II. **Optimal bandwidth estimators of kernel density functionals for contaminated data**
Gündüz N., Aydın C.
JOURNAL OF APPLIED STATISTICS, vol.48, pp.2239-2258, 2021 (SCI-Expanded)

III. **A Bias Reducing Approach for Some Robust Estimators by Predicting Roughness in Case of Kernel Estimation**
GÜNDÜZ TEKİN N., Aydin C., Basar E.
ACTA PHYSICA POLONICA A, vol.130, no.1, pp.422-427, 2016 (SCI-Expanded)

IV. **Performance of Some Robust Estimators for the Weibull Distribution**
GÜNDÜZ TEKİN N., Basar E., Aydin C.
ACTA PHYSICA POLONICA A, vol.128, no.2B, 2015 (SCI-Expanded)

## Articles Published in Other Journals

I. **İki Momentli Olasılık Yaklaşımı Yardımıyla İlişkili Olaylar Kümesi Üzerine Kestirim**
EKNİ M., AYDIN C.
Gazi Üniversitesi, Fen Edebiyat Fakültesi, Matematik-İstatistik Dergisi, vol.3, no.2, pp.61-72, 1992 (Peer-Reviewed Journal)

## Books & Book Chapters

I. **2. Bölüm Olasılık**
Özdemir Güler Z., Aydın C., Ekiz O. U., Ekiz M., Çelik B., Gündüz Tekin N., Gürbüzsel E., Şahin Tekin S. T., Altunkaynak B., Kardiyen F., et al.
in: Mühendisler ve Fen Bilimciler için Olasılık ve İstatistik, M.Akif Bakır, Editor, Palme Yayıncılık, Ankara, pp.111-142, 2016

II. **İSTATİSTİK**
BAKIR M. A., AYDIN C.
Nobel Yayınevi, Ankara, 2006

III. **5. Bölüm Momentler, Çarpıklık ve Basıklık**
Gündüz N., Esin A., Gamgam H., Bayrak H., Alp İ., Balibeyoğlu J., Özdemir Y. A., Gönen S., Çelebioğlu S., Aydın C., et al.
in: Schaum's Outlines Teori ve Problemlerle İstatistik, Alptekin Esin ve Salih Çelebioğlu, Editor, Nobel Yayın Dağıtım, Ankara, pp.311-344, 2003

## Refereed Congress / Symposium Publications in Proceedings

I. **Optimal Bandwidth Selection with Density Functional Estimation forContaminated Data**
AYDIN C., GÜNDÜZ TEKİN N.
11th International Statistics Congress-ISC 2019, Bodrum-Muğla, Turkey, 4 - 08 October 2019, pp.22

II. **A Comparison Study of Optimal BandwidthSelection with Density Functional Estimation forContaminated Data**
AYDIN C., GÜNDÜZ TEKİN N.
11. International Statistics Days Conference-IGS 2018, 3 - 07 October 2018, pp.68

III. **Optimal Bandwidth Selection for a Kernel Densitywith a Location-Scale Property**
AYDIN C., GÜNDÜZ TEKİN N., BALİBEYOĞLU J.
11. International Statistics Days Conference-IGS 2018, 3 - 07 October 2018, pp.247

IV. **Determination of Optimal Bandwidth in the case of Density Functionals Estimation.**
AYDIN C., GÜNDÜZ TEKİN N.
4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017) 4-8 October 2017, Kemer-ANTALYA, TURKEY., 8 - 10 October 2017

V. **Kernel Smoothing by Using Location-scale Family as a Kernel Density.**
GÜNDÜZ TEKİN N., BALİBEYOĞLU J., BAŞAR E., AYDIN C.
4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017) 4-8 October 2017, Kemer-ANTALYA, TURKEY., Antalya, Turkey, 4 - 08 October 2017, pp.189

VI. **A Comparison of Adjusted Kernel Smoothing with Classical Smoothing in Terms of Mean Square Error**
GÜNDÜZ N., AYDIN C., BAŞAR E., BALİBEYOĞLU J.
ICCESEN-3rd International Conference on Computational and Experimental Science and Engineering (ICCESEN 2016), Antalya, Turkey, 14 - 19 October 2016

VII. **Bias Reducing Approach for Some Robust Estimators and Estimation of the Roughness and Bandwidth Selection in the Case of Kernel Estimation**
AYDIN C., GÜNDÜZ N., BAŞAR E.
ICCESEN-2nd International Conference on Computational and Experimental Science and Engineering (ICCESEN 2015), Antalya, Turkey, 14 - 19 October 2015

VIII. **A Bias Reducing Approach for Some Robust Estimators by Predicting Roughness in Case of Kernel Estimation**
AYDIN C., GÜNDÜZ TEKİN N., BAŞAR E.
International Conference on Computational and Experimental Science and Engineering (ICCESEN), Antalya, Turkey, 14 - 19 October 2015, pp.169

IX. **Bias Reducing Approach for Some Robust Estimators in the Case of Kernel Estimation**
AYDIN C., GÜNDÜZ TEKİN N., BAŞAR E.
ICAS 2015 International Conference on Advances in Statistics, Dubai, United Arab Emirates, 24 - 26 March 2015

X. **Performans of Some Robust Estimators for Weibull Distribution**
GÜNDÜZ N., BAŞAR E., AYDIN C.
ICCESEN-International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 25 - 29 October 2014

XI. **Performance of Some Robust Estimators for Weibull Distribution**
GÜNDÜZ TEKİN N., BAŞAR E., AYDIN C.
International Conference on Computational and Experimental Science and Engineering (ICCESEN), Antalya, Turkey, 25 - 29 October 2014, pp.184

XII. **Kantil tabanlı sağlam tahmin ediciler**
GÜNDÜZ TEKİN N., BAŞAR E., AYDIN C.
15. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Kongresi, Süleyman Demirel Üniversitesi, Isparta, Turkey, 22 - 25 May 2014, pp.134

XIII. **Sağlam Ölçek Tahmin Edicilerinin Çarpıklığa Bağlı Olarak Davranışlarının Karşılaştırılması**
AYDIN C., GÜNDÜZ N.
8. Uluslararası İstatistik Kongresi, Turkey, 27 - 30 October 2013

XIV. **2000 li Yıllarda İstatistik**
AYDIN C.
Türkiye İstatistik Günü ve T.C. BAŞBAKANLIK DEVLET İSTATİSTİK ENSTİTÜSÜ 9 MAYIS TÜRKİYE İSTATİSTİK GÜNÜ

VE 74. KURULUŞ YILDÖNÜMÜ KUTLAMA PROGRAMI, Turkey, 09 May 2000

## Metrics

Publication: 23
Citation (WoS): 6
Citation (Scopus): 9
H-Index (WoS): 2
H-Index (Scopus): 2