

## Prof. Dr. CEM KADILAR

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Fakültesi, İstatistik, Türkiye 1995 - 2000

Yüksek Lisans, Hacettepe Üniversitesi, Fen Fakültesi, İstatistik, Türkiye 1993 - 1995

Lisans, Hacettepe Üniversitesi, Fen Fakültesi, İstatistik, Türkiye 1989 - 1993

### Yabancı Diller

İngilizce, C1 İleri

### Araştırma Alanları

İstatistik, İstatistik Analiz ve Uygulamaları, Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Hacettepe Üniversitesi, Fen Fakültesi, İstatistik Bölümü, 2010 - Devam Ediyor

Doç. Dr., Hacettepe Üniversitesi, Fen Fakültesi, İstatistik Bölümü, 2004 - 2010

Araştırma Görevlisi, Hacettepe Üniversitesi, Fen Fakültesi, İstatistik Bölümü, 1993 - 2004

### Akademik İdari Deneyim

Hacettepe Üniversitesi, Fen Fakültesi, İstatistik Bölümü, 2012 - Devam Ediyor

Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, 2012 - 2016

Hacettepe Üniversitesi, Fen Fakültesi, İstatistik Bölümü, 2004 - 2011

Hacettepe Üniversitesi, Fen Fakültesi, İstatistik Bölümü, 2004 - 2011

Hacettepe Üniversitesi, Fen Fakültesi, İstatistik Bölümü, 2007 - 2007

### Yönetilen Tezler

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H.ÖNCEL(Öğrenci), 2017

KADILAR C., Basit ve tabakalı rastgele örneklemede üstel fonksiyonu kullanan kitle ortalaması tahmin edicileri, Yüksek Lisans, C.ÜNAL(Öğrenci), 2017

KADILAR C., ARDL model bounds test approach: The case of Turkey, Yüksek Lisans, B.ÖZCAN(Öğrenci), 2017

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## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Information theory approach to ranked set sampling and new sub-ratio estimators**  
KOÇYIĞIT E. G., KADILAR C.  
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- II. **Improved population mean estimator with exponential function under non-response**  
Ünal C., KADILAR C.  
Applied Mathematics, cilt.38, sa.4, ss.562-580, 2023 (SCI-Expanded)
- III. **A calibration-based approach on estimation of mean of a stratified population in the presence of non response**  
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- IV. **A new population mean estimator under non-response cases**  
Unal C., KADILAR C.  
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- V. **Improved regression in ratio type estimators based on robust M-estimation**  
Rather K. U. I., KOÇYIĞIT E. G., Onyango R., KADILAR C.  
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- VI. **Ratio estimators for ranked set sampling in the presence of tie information**  
Kocyigit E. G., KADILAR C.  
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- VII. **Exponential Type Estimators Using Sub-Sampling Method with Applications in Agriculture**  
Unal C., KADILAR C.  
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- VIII. **Exponential ratio and product type estimators of the mean in stratified two-phase sampling**  
ZAMAN T., KADILAR C.  
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- IX. **New class of exponential estimators for finite population mean in two-phase sampling**  
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- X. **In-type estimators for the population variance in stratified random sampling**  
ÖNCEL ÇEKİM H., KADILAR C.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, cilt.49, sa.7, ss.1665-1677, 2020 (SCI-Expanded)
- XI. **Estimation of rare and clustered population mean using stratified adaptive cluster sampling**  
Qureshi M. N., KADILAR C., Hanif M.

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- XII. **Improved family of estimators using exponential function for the population mean in the presence of non-response**  
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- XIII. **Homogeneous imputation under two phase probability proportional to size sampling**  
Sohail M. U., Shabbir J., KADILAR C.  
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- XIV. **Almost unbiased estimation procedures of population mean in two-occasion successive sampling**  
Singh G. N., Singh A. K., KADILAR C.  
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- XV. **On the use of imputation methods for missing data in estimation of population mean under two-phase sampling design**  
Singh G. N., Suman S., KADILAR C.  
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- XVI. **Rare and clustered population estimation using the adaptive cluster sampling with some robust measures**  
Qureshi M. N., KADILAR C., Ul Amin M. N., Hanif M.  
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- XVII. **Study of general families of estimators in two-stage sampling with unequal size clusters under non-response**  
Chaudhary M. K., Singh V. K., KADILAR C.  
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- XVIII. **Hartley-Ross type unbiased estimators using the stratified random sampling**  
ÖNCEL ÇEKİM H., KADILAR C.  
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- XIX. **Some imputation methods for missing data in sample surveys**  
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- XX. **Calibration Weighting in Stratified Random Sampling**  
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- XXI. **A new calibration estimator in stratified double sampling**  
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- XXII. **A two parameter variance estimator using auxiliary information**  
YADAV S. K., KADILAR C.  
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- XXIII. **EFFICIENT FAMILY OF EXPONENTIAL ESTIMATORS FOR THE POPULATION MEAN**  
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- XXIV. **Improved class of ratio and product estimators**  
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- XXV. **Improved Exponential Type Ratio Estimator of Population Variance**  
Yadav S. K., KADILAR C.  
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- XXVI. **Rapid analysis of sugars in honey by processing Raman spectrum using chemometric methods and artificial neural networks**  
Ozbalci B., BOYACI İ. H., TOPCU A., KADILAR C., Tamer U.

- FOOD CHEMISTRY, cilt.136, ss.1444-1452, 2013 (SCI-Expanded)
- XXVII. **A STATISTICAL APPROACH FOR IDENTIFYING THE REQUIREMENTS OF PUBLIC PRIMARY AND SECONDARY SCHOOLS BASED ON DISTRICTS IN TURKEY**  
ÇINGI H., KADILAR C., Kocberber G.  
HACETTEPE UNIVERSİTESİ EĞİTİM FAKULTESİ DERGİSİ-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, cilt.28, sa.1, ss.105-116, 2013 (SSCI)
- XXVIII. **Serum Levels of Alpha-Tocopherol, Vitamin C, Beta-Carotene, and Retinol in Malignant Pleural Mesothelioma**  
Emri S., KILIÇKAP S., KADILAR C., HALİL M. G., Akay H., BESLER T.  
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- XXIX. **Robust ratio-type estimators in simple random sampling**  
Oral E., KADILAR C.  
JOURNAL OF THE KOREAN STATISTICAL SOCIETY, cilt.40, sa.4, ss.457-467, 2011 (SCI-Expanded)
- XXX. **IMPROVED RATIO ESTIMATORS VIA MODIFIED MAXIMUM LIKELIHOOD**  
Oral E., KADILAR C.  
PAKISTAN JOURNAL OF STATISTICS, cilt.27, sa.3, ss.269-282, 2011 (SCI-Expanded)
- XXXI. **PEMETREXED-CARBOPLATIN DOUBLET SHOWED BETTER MEDIAN SURVIVAL THAN PEMETREXED-CISPLATIN IN THE TREATMENT OF TURKISH MALIGNANT PLEURAL MESOTHELIOMA PATIENTS**  
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- XXXII. **RATIO ESTIMATOR FOR THE POPULATION MEAN AT THE CURRENT OCCASION IN THE PRESENCE OF NON-RESPONSE IN SUCCESSIVE SAMPLING**  
Satici E., KADILAR C.  
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- XXXIII. **ON THE FAMILY OF ESTIMATORS OF POPULATION MEAN IN STRATIFIED RANDOM SAMPLING**  
KOYUNCU N., KADILAR C.  
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- XXXIV. **MODELING BRAIN WAVE DATA BY USING ARTIFICIAL NEURAL NETWORKS**  
ALADAĞ Ç. H., EĞRİOĞLU E., KADILAR C.  
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- XXXV. **On improvement in estimating population mean in stratified random sampling**  
KOYUNCU N., KADILAR C.  
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- XXXVI. **Forecasting nonlinear time series with a hybrid methodology**  
ALADAĞ Ç. H., EĞRİOĞLU E., KADILAR C.  
APPLIED MATHEMATICS LETTERS, cilt.22, sa.9, ss.1467-1470, 2009 (SCI-Expanded)
- XXXVII. **Ratio and product estimators in stratified random sampling**  
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- XXXVIII. **EFFICIENT ESTIMATORS FOR THE POPULATION MEAN**  
KOYUNCU N., KADILAR C.  
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- XXXIX. **Modified estimators for the change point in hazard function**  
Karasoy D., KADILAR C.  
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- XL. **Ratio estimator for the population mean using ranked set sampling**  
KADILAR C., Unyazici Y., ÇINGI H.  
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- XLI. **Family of Estimators of Population Mean Using Two Auxiliary Variables in Stratified Random Sampling**  
KOYUNCU N., KADILAR C.

- COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, cilt.38, sa.14, ss.2398-2417, 2009 (SCI-Expanded)
- XLII. **RATIO ESTIMATORS WITH UNEQUAL PROBABILITY DESIGNS**  
BACANLI S., KADILAR C.  
PAKISTAN JOURNAL OF STATISTICS, cilt.24, sa.3, ss.167-172, 2008 (SCI-Expanded)
- XLIII. **Estimators for the population mean in the case of missing data**  
KADILAR C., ÇINGI H.  
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, cilt.37, sa.14, ss.2226-2236, 2008 (SCI-Expanded)
- XLIV. **A new Bayes estimate of the change point in the hazard function**  
Karasoy D., KADILAR C.  
COMPUTATIONAL STATISTICS & DATA ANALYSIS, cilt.51, sa.6, ss.2993-3001, 2007 (SCI-Expanded)
- XLV. **RATIO ESTIMATORS USING ROBUST REGRESSION**  
KADILAR C., Candan M., ÇINGI H.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.36, sa.2, ss.181-188, 2007 (SCI-Expanded)
- XLVI. **Improvement in variance estimation in simple random sampling**  
KADILAR C., Cingi H.  
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, cilt.36, ss.2075-2081, 2007 (SCI-Expanded)
- XLVII. **Ratio estimators for the population variance in simple and stratified random sampling**  
KADILAR C., Cingi H.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.173, sa.2, ss.1047-1059, 2006 (SCI-Expanded)
- XLVIII. **Improvement in estimating the population mean in simple random sampling**  
KADILAR C., Cingi H.  
APPLIED MATHEMATICS LETTERS, cilt.19, sa.1, ss.75-79, 2006 (SCI-Expanded)
- XLIX. **Prognostic significance of Bax and Fas Ligand in erionite and asbestos induced Turkish malignant pleural mesothelioma**  
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LUNG CANCER, cilt.50, sa.2, ss.189-198, 2005 (SCI-Expanded)
- L. **Management of recurrent malignant pleural effusion with chemical pleurodesis**  
Kilic D., Akay H., Kavukcu S., Kutlay H., Cangir A., Enon S., KADILAR C.  
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- LI. **A new estimator using two auxiliary variables**  
KADILAR C., Cingi H.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.162, sa.2, ss.901-908, 2005 (SCI-Expanded)
- LII. **A new ratio estimator in stratified random sampling**  
KADILAR C., Cingi H.  
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- LIII. **Ratio estimators in simple random sampling**  
KADILAR C., Cingi H.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.151, sa.3, ss.893-902, 2004 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Modified exponential ratio estimator for ranked set sampling in the presence of tie information and application on COVID-19 real data**  
KOÇYİĞİT E. G., KADILAR C.  
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- II. **Improved Estimators For The Population Mean Under Non-Response**  
Rather K. U. I., KADILAR C.  
Gazi University Journal of Science, cilt.36, sa.2, ss.920-931, 2023 (Scopus)
- III. **An introduction to sensible constraints for the imputation of missing values**  
Sohail M. U., Shabbir J., Sohail F., KADILAR C.

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- IV. **Exponential Ratio Type Estimator In The Presence of Non-Response**  
Unal C., KADILAR C.  
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- V. **Improved Estimators using Exponential Function for the Population Mean in Simple and Stratified Random Samplings**  
Unal C., KADILAR C.  
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- VI. **A New Family of Exponential Type Estimators in the Presence of Non-Response**  
Unal C., KADILAR C.  
JOURNAL OF MATHEMATICAL AND FUNDAMENTAL SCIENCES, cilt.53, sa.1, ss.1-15, 2021 (ESCI)
- VII. **Adapted Exponential Type Estimator in the Presence of Non-response**  
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- VIII. **On estimating the population mean using auxiliary character in stratified random sampling**  
ZAMAN T., KADILAR C.  
JOURNAL OF STATISTICS & MANAGEMENT SYSTEMS, cilt.23, sa.8, ss.1415-1426, 2020 (ESCI)
- IX. **Family of combined-type estimators for population mean using stratified two-phase sampling scheme under non-response**  
Chaudhary M. K., Kumar A., Vishwakarma G. K., KADILAR C.  
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- X. **Improved Fuzzy Forecasting Model for Stock Exchange Market**  
Mustafa S., Siddique S., KADILAR C.  
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- XI. **Exponential type estimator for the population mean in the presence of non-response**  
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- XII. **Novel family of exponential estimators using information of auxiliary attribute**  
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- XIII. **New families of unbiased estimators in stratified random sampling**  
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JOURNAL OF STATISTICS & MANAGEMENT SYSTEMS, cilt.21, sa.8, ss.1481-1499, 2018 (ESCI)
- XIV. **GENERALIZED FAMILY OF ESTIMATORS VIA TWO AUXILIARY VARIABLES FOR POPULATION VARIANCE**  
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- XV. **Generalized Family of Estimators for Imputing Scrambled Responses**  
Sohail M. U., Shabbir J., KADILAR C., Ahmed S.  
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- XVI. **NEW UNBIASED ESTIMATORS WITH THE HELP OF HARTLEY ROSS TYPE ESTIMATORS**  
ÖNCEL ÇEKİM H., KADILAR C.  
Pakistan Journal Of Statistics, cilt.32, sa.4, ss.247-260, 2016 (Scopus)
- XVII. **Ratio Estimators for Population Mean Using Robust Regression in Double Sampling**  
Noor Ul Amin M., Qaiser Shahbaz M., KADILAR C.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, cilt.29, sa.4, ss.793-798, 2016 (ESCI)
- XVIII. **Generalized Exponential Chain Ratio and Chain Product Estimators under Stratified Two-Phase Random Sampling for Non-Response**  
Sanauallah A., ul Amin M. N., Hanif M., KADILAR C.  
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- XIX. **Improved family of estimators of population variance in simple random sampling**

- YADAV S. K., KADILAR C., Shabbir J., Gupta S.  
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- XX. **A Study on the Chain Ratio-Type Estimator of Finite Population Variance**  
Olufadi Y., KADILAR C.  
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- XXI. **Advances in Interdisciplinary Statistics and Combinatorics (AISC) Preface**  
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- XXII. **A CLASS OF RATIO-CUM-DUAL TO RATIO ESTIMATOR OF POPULATION VARIANCE**  
Yadav S. K., KADILAR C.  
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- XXIII. **The CSS and The Two-Staged Methods for Parameter Estimation in SARFIMA Models**  
EĞRİOĞLU E., ALADAĞ Ç. H., KADILAR C.  
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- XXIV. **Improved Exponential Estimator in Stratified Random Sampling**  
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- XXV. **Conducting fuzzy division by using linear programming**  
Basaran M. A., ALADAĞ Ç. H., KADILAR C.  
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- XXVI. **Improvement in Variance Estimation Using Auxiliary Information 35 1 111 115 2006**  
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- XXVII. **New Ratio Estimators Using Correlation Coefficient**  
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- XXVIII. **An Improvement in Estimating The Population Mean By Using The Correlation Coefficient**  
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- XXX. **A Study On the Chain Ratio Type Estimator Vol 32 pp 105 108 2003**  
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- XXXI. **Quantitative Methods to Analyse the Factors on Thoughts of Employers in Tourism Sector About Their Salary**  
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## **Kitap & Kitap Bölümleri**

- I. **SPSS ve R Uygulamalı Zaman Serileri Analizine Giriş**  
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- II. **Advances in Sampling Theory Ratio Method of Estimation**  
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- I. **Ln Type Estimators under Stratified Random Sampling**  
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- IV. **LN TYPE ESTIMATOR ON ESTIMATING THE FINITE POPULATION VARIANCE IN THE SIMPLE RANDOM SAMPLING**  
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- V. **Statistical Analysis of Foundation Universities in Turkey**  
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- VI. **A New Family of Estimators for the Population Mean Using Exponential Functions in Simple Random Sampling**  
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- VII. **On the Graphical Markov Models with an Application**  
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- VIII. **An Analysis of Air Quality Data with Markov Chains and Time Series**  
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- IX. **Generalized Family of Estimators with the help of Two Auxiliary Variables for Population Variance in Simple Random Sampling**  
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- X. **Stochastic Image Processing with an Application**  
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- XV. **Forecasting Industry Production Index in Turkey**  
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## **Desteklenen Projeler**

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KADILAR C., Yükseköğretim Kurumları Destekli Proje, İşletmede ve Sanayide İstatistik, 2016 - 2016  
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## **Metrikler**

Yayın: 109

Atıf (WoS): 1028

Atıf (Scopus): 614

H-İndeks (WoS): 18

H-İndeks (Scopus): 9