

# Prof. MAHMUDE REVAN ÖZKALE ATICIOĞLU

## Personal Information

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**Address:** Çukurova Üniversitesi, Fen Edebiyat Fakültesi, İstatistik Bölümü, 01330 ADANA

## Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik, Turkey 2004 - 2007

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik, Turkey 2002 - 2004

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Turkey 2002 - 2003

Undergraduate, Cukurova University, Fen Edebiyat Fakültesi, Matematik, Turkey 1998 - 2002

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Problems related with multicollinearity, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik, 2007

Postgraduate, Statistical Quality Control and Applications, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik Anabilim Dalı, 2004

## Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences

## Academic Titles / Tasks

Professor, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2015 - Continues

Associate Professor, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2010 - 2015

Assistant Professor, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2007 - 2010

Research Assistant, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik, 2002 - 2007

## Academic and Administrative Experience

BAP Scientific Commissioner, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2021 - Continues

Head of Department, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2020 - Continues

Farabi Coordinator, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2010 - Continues

Head of Department, Cukurova University, 2018 - 2021

Fakülte Kurulu Üyesi, Cukurova University, Fen-Edebiyat Fakültesi, 2016 - 2019  
Visiting Scholar, Stockholms Universitet (Stockholm University), Department Of Statistics, 2017 - 2017  
Cukurova University, Fen Edebiyat Fakültesi, 2016 - 2017  
Cukurova University, Fen Edebiyat Fakültesi, 2016 - 2016  
Cukurova University, Fen Edebiyat Fakültesi, İstatistik Bölümü, 2008 - 2015  
Visiting Scholar, Ohio State University, College Of Public Health, Division Of Biostatistics, 2013 - 2014

## Courses

Econometric Models, Undergraduate, 2007 - 2008, 2008 - 2009, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021  
Research Project II, Undergraduate, 2007 - 2008, 2008 - 2009, 2013 - 2014, 2019 - 2020, 2020 - 2021  
Regression Analysis, Undergraduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022  
Matris Kuramı, Undergraduate, 2008 - 2009, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022  
Regresyon Kuramı I, Postgraduate, 2007 - 2008, 2020 - 2021, 2021 - 2022  
İstatistiksel Kalite Kontrol, Undergraduate, 2007 - 2008, 2008 - 2009, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021  
Regresyon Kuramı II, Postgraduate, 2007 - 2008, 2008 - 2009, 2013 - 2014, 2019 - 2020, 2020 - 2021  
Logistic Regression analysis, Undergraduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020  
Zaman Serileri Analizi, Undergraduate, 2007 - 2008, 2008 - 2009, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020  
Olasılık ve İstatistik II, Undergraduate, 2007 - 2008, 2008 - 2009  
Olasılık ve İstatistik I, Undergraduate, 2007 - 2008, 2008 - 2009  
Spor Bilimlerinde İstatistik Uygulama, Undergraduate, 2007 - 2008  
Research Project I, Undergraduate, 2007 - 2008, 2008 - 2009  
Spor Bilimlerinde İstatistik Uygulama, Undergraduate, 2008 - 2009

## Advising Theses

ÖZKALE ATICIOĞLU M. R. , Monitoring methods for generalized linear model-based profiles under multicollinearity, Doctorate, U.Mammadova(Student), Continues  
ÖZKALE ATICIOĞLU M. R. , Restricted estimation methods in generalized linear models, Doctorate, A.Abbasi(Student), Continues  
Özkale Atıcıoğlu M. R. , Ridge, lasso and elastic net methods in high dimensional data, Doctorate, M.Genç(Student), 2020  
Özkale Atıcıoğlu M. R. , The extreme learning machine based on L1 and L2 norm regularized regression, Doctorate, H.Yıldırım(Student), 2020  
Özkale Atıcıoğlu M. R. , Diagnostic methods for outlier detection in time series, Postgraduate, S.Öcal(Student), 2020  
ÖZKALE ATICIOĞLU M. R. , Çok Değişkenli Regresyon Kontrol Grafikleri, Postgraduate, K.Dilek(Student), 2019  
ÖZKALE ATICIOĞLU M. R. , Türkiye Geneli Anne Ölüm Oranını ve Bebek Ölüm Hızını Etkileyen Faktörler: Çoklu Regresyon Analizi, Postgraduate, F.Can(Student), 2018  
ÖZKALE ATICIOĞLU M. R. , Estimation Methods in Generalized Linear Models, Doctorate, F.Kurtoğlu(Student), 2017  
Özkale M. R. , Lineer karma modellerde parametre tahmini ve sonuç çıkarım, Doctorate, Ö.Kuran(Student), 2017  
Özkale M. R. , Generalized linear model based control charts with Poisson response, Postgraduate, U.Mammadova(Student), 2017  
Özkale M. R. , Genel lineer modellerde yanlı tahmin ediciler ve tanılama metotları, Doctorate, T.Söküt(Student), 2016  
Özkale M. R. , Lojistik regresyon modelinde çoklu iç ilişki problemi, Doctorate, E.Arıcan(Student), 2016

Özkale M. R. , Doğrusal karma modellerde ridge ve kısıtlı tahmin metotları: Bir Monte Carlo simülasyon çalışması, Doctorate, F.Can(Student), 2015

Özkale M. R. , Doğrusal karma ve hiyerarşik modellerde rezidü ve etki analizi, Postgraduate, Ö.Kuran(Student), 2013

Özkale M. R. , Sürekli regresyon ve ilişkili regresyon modellerinin incelenmesi, Postgraduate, Y.Can(Student), 2013

Özkale M. R. , Bazı çok değişkenli istatistiksel teknikler arasındaki ilişkinin incelenmesi ve uygulamaları, Postgraduate, S.Can(Student), 2011

Özkale M. R. , Değişen varyanslı ve otokorelasyonlu hataya sahip lineer regresyon modellerinde hata yapılarının ve yanlış tahmin edicilerin incelenmesi, Postgraduate, T.Söküt(Student), 2011

Özkale M. R. , Mersin İlinde Narenciye Üretimi Katma Değer Tahmini, Postgraduate, C.Erdoğan(Student), 2010

Özkale M. R. , Hanehalkı Harcamaları Olasılıklarını Sıralı Regresyon Modeli ile Tahmin Etme, Postgraduate, E.ARICAN(Student), 2010

Özkale M. R. , Nitel yanıt değişkene sahip regresyon modellerinde tahmin yöntemleri, Postgraduate, E.Arıcan(Student), 2010

## Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çukurova Üniversitesi, November, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çukurova Üniversitesi, October, 2020

Doctorate, Doctorate, Çukurova Üniversitesi, October, 2020

Appointment Academic Staff, Dr.Öğretim Üyesi, Çukurova Üniversitesi, June, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çukurova Üniversitesi, April, 2018

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çukurova Üniversitesi, February, 2018

Doctorate, Doktora Tezi, Çukurova Üniversitesi, June, 2016

Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversitelerarası Kurul, April, 2016

Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversitelerarası Kurul, October, 2015

Doctorate, Doktora Tezi, Çukurova Üniversitesi, June, 2015

Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversitelerarası Kurul, April, 2015

Doctorate, Ph.D. Thesis, University of Karachi, January, 2015

Doctorate, Doktora Tezi, Çukurova Üniversitesi, December, 2014

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Stochastic restricted Liu predictors in linear mixed models**  
ÖZKALE M. R. , Kuran O.  
Communications In Statistics-Simulation And Computation, vol.50, no.9, pp.2561-2580, 2021 (Journal Indexed in SCI)
- II. **Profile monitoring for count data using Poisson and Conway-Maxwell-Poisson regression-based control charts under multicollinearity problem**  
Mammadova U., Özkale M. R.  
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.388, 2021 (Journal Indexed in SCI)
- III. **LL-ELM: A regularized extreme learning machine based on L-1-norm and Liu estimator**  
Yildirim H., Ozkale M. R.  
NEURAL COMPUTING & APPLICATIONS, 2021 (Journal Indexed in SCI)
- IV. **Usage of the GO estimator in high dimensional linear models**  
Genç M., Özkale M. R.

COMPUTATIONAL STATISTICS, vol.36, pp.217-239, 2021 (Journal Indexed in SCI)

- V. **Marginal ridge conceptual predictive model selection criterion in linear mixed models**  
Kuran O., Ozkale M. R.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.50, no.2, pp.581-607, 2021 (Journal Indexed in SCI)
- VI. **Identification of outlying and influential data with principal components regression estimation in binary logistic regression**  
Ozkale M. R.  
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.50, no.3, pp.609-630, 2021 (Journal Indexed in SCI)
- VII. **Comparison of deviance and ridge deviance residual-based control charts for monitoring Poisson profiles**  
Mammadova U., Ozkale M. R.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2021 (Journal Indexed in SCI)
- VIII. **Improvement of mixed predictors in linear mixed models**  
Kuran O., Özkale M. R.  
JOURNAL OF APPLIED STATISTICS, 2020 (Journal Indexed in SCI)
- IX. **An Enhanced Extreme Learning Machine Based on Liu Regression**  
Yıldırım H., Özkale M. R.  
NEURAL PROCESSING LETTERS, vol.52, no.1, pp.421-442, 2020 (Journal Indexed in SCI)
- X. **A further prediction method in linear mixed models: Liu prediction**  
Ozkale M. R. , Kuran O.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2019 (Journal Indexed in SCI)
- XI. **The performance of ELM based ridge regression via the regularization parameters**  
Yildirim H., Ozkale M. R.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.134, pp.225-233, 2019 (Journal Indexed in SCI)
- XII. **The stochastic restricted ridge estimator in generalized linear models**  
Ozkale M. R. , Nyquist H.  
STATISTICAL PAPERS, 2019 (Journal Indexed in SCI)
- XIII. **Adaptation of the jackknifed ridge methods to the linear mixed models**  
Ozkale M. R. , Kuran O.  
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.89, no.18, pp.3413-3452, 2019 (Journal Indexed in SCI)
- XIV. **Regression diagnostics methods for Liu estimator under the general linear regression model**  
Acar T. S. , Ozkale M. R.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.49, no.3, pp.771-792, 2019 (Journal Indexed in SCI)
- XV. **The red indicator and corrected VIFs in generalized linear models**  
Ozkale M. R.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2019 (Journal Indexed in SCI)
- XVI. **A first-order approximated jackknifed ridge estimator in binary logistic regression**  
Ozkale M. R. , Arican E.  
COMPUTATIONAL STATISTICS, vol.34, no.2, pp.683-712, 2019 (Journal Indexed in SCI)
- XVII. **Restricted ridge estimator in generalized linear models: Monte Carlo simulation studies on Poisson and binomial distributed responses**  
KURTOĞLU F., Ozkale M. R.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.48, no.4, pp.1191-1218, 2019 (Journal Indexed in SCI)
- XVIII. **The  $r - d$  class estimator in generalized linear models: applications on gamma, Poisson and binomial distributed responses**  
Ozkale M. R.

- JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.89, no.4, pp.615-640, 2019 (Journal Indexed in SCI)
- XIX. **Model selection via conditional conceptual predictive statistic under ridge regression in linear mixed models**  
Kuran O., Ozkale M. R.  
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.89, no.1, pp.155-187, 2019 (Journal Indexed in SCI)
- XX. **Restricted Liu estimator in generalized linear models: Monte Carlo simulation studies on gamma and Poisson distributed responses**  
KURTOĞLU F., Ozkale M. R.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.48, no.4, pp.1250-1276, 2019 (Journal Indexed in SCI)
- XXI. **Logistic regression diagnostics in ridge regression**  
Ozkale M. R. , Lemeshow S., STURDIVANT R.  
COMPUTATIONAL STATISTICS, vol.33, no.2, pp.563-593, 2018 (Journal Indexed in SCI)
- XXII. **Principal components regression and r-k class predictions in linear mixed models**  
Ozkale M. R. , Kuran O.  
LINEAR ALGEBRA AND ITS APPLICATIONS, vol.543, pp.173-204, 2018 (Journal Indexed in SCI)
- XXIII. **Liu estimator in partly linear regression models with correlated errors**  
Tabakan G., Ozkale M. R.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.46, no.3, pp.1958-1973, 2017 (Journal Indexed in SCI)
- XXIV. **An evaluation of ridge estimator in linear mixed models: an example from kidney failure data**  
Ozkale M. R. , CAN F.  
JOURNAL OF APPLIED STATISTICS, vol.44, no.12, pp.2251-2269, 2017 (Journal Indexed in SCI)
- XXV. **Influence measures based on confidence ellipsoids in general linear regression model with correlated regressors**  
Acar T. S. , Ozkale M. R.  
JOURNAL OF APPLIED STATISTICS, vol.43, no.15, pp.2791-2812, 2016 (Journal Indexed in SCI)
- XXVI. **Iterative algorithms of biased estimation methods in binary logistic regression**  
Ozkale M. R.  
STATISTICAL PAPERS, vol.57, no.4, pp.991-1016, 2016 (Journal Indexed in SCI)
- XXVII. **Liu estimation in generalized linear models: application on gamma distributed response variable**  
KURTOĞLU F., Ozkale M. R.  
STATISTICAL PAPERS, vol.57, no.4, pp.911-928, 2016 (Journal Indexed in SCI)
- XXVIII. **Gilmour's approach to mixed and stochastic restricted ridge predictions in linear mixed models**  
Kuran O., Ozkale M. R.  
LINEAR ALGEBRA AND ITS APPLICATIONS, vol.508, pp.22-47, 2016 (Journal Indexed in SCI)
- XXIX. **Influence measures in ridge regression when the error terms follow an Ar(1) process**  
SÖKÜT AÇAR T., Özkale M. R.  
Computational Statistics, vol.31, no.3, pp.879-898, 2016 (Journal Indexed in SCI)
- XXX. **A new biased estimator in logistic regression model**  
Özkale M. R. , Arican E.  
Statistics, vol.50, no.2, pp.233-253, 2016 (Journal Indexed in SCI)
- XXXI. **Cross validation of ridge regression estimator in autocorrelated linear regression models**  
Acar T. S. , Ozkale M. R.  
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.86, no.12, pp.2429-2440, 2016 (Journal Indexed in SCI)
- XXXII. **First-order r - d class estimator in binary logistic regression model**  
ÖZKALE ATICIOĞLU M. R. , Arican E.  
STATISTICS & PROBABILITY LETTERS, vol.106, pp.19-29, 2015 (Journal Indexed in SCI)

- XXXIII. **Predictive performance of linear regression models**  
Ozkale M. R.  
STATISTICAL PAPERS, vol.56, no.2, pp.531-567, 2015 (Journal Indexed in SCI)
- XXXIV. **Leverages and Influential Observations in a Regression Model with Autocorrelated Errors**  
Ozkale M. R. , Acar T. S.  
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.44, no.11, pp.2267-2290, 2015 (Journal Indexed in SCI)
- XXXV. **The relative efficiency of the restricted estimators in linear regression models**  
Ozkale M. R.  
JOURNAL OF APPLIED STATISTICS, vol.41, no.5, pp.998-1027, 2014 (Journal Indexed in SCI)
- XXXVI. **Monte Carlo Simulation Study of Biased Estimators in the Linear Regression Models with Correlated or Heteroscedastic Errors**  
Ozkale M. R.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.43, no.5, pp.1143-1186, 2014 (Journal Indexed in SCI)
- XXXVII. **Influence measures in affine combination type regression**  
Ozkale M. R.  
JOURNAL OF APPLIED STATISTICS, vol.40, no.10, pp.2219-2243, 2013 (Journal Indexed in SCI)
- XXXVIII. **Combining the unrestricted estimators into a single estimator and a simulation study on the unrestricted estimators**  
Ozkale M. R.  
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.82, no.5, pp.653-688, 2012 (Journal Indexed in SCI)
- XXXIX. **More on the restricted ridge regression estimation**  
KAÇIRANLAR S., SAKALLIOĞLU S., Ozkale M. R. , GÜLER H.  
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.81, no.11, pp.1433-1448, 2011 (Journal Indexed in SCI)
- XL. **Difference-based ridge estimator of parameters in partial linear model**  
Tabakan G., Akdeniz F.  
STATISTICAL PAPERS, vol.51, no.2, pp.357-368, 2010 (Journal Indexed in SCI)
- XLI. **A stochastic restricted ridge regression estimator**  
Ozkale M. R.  
JOURNAL OF MULTIVARIATE ANALYSIS, vol.100, no.8, pp.1706-1716, 2009 (Journal Indexed in SCI)
- XLII. **Comment on Ridge Estimation to the Restricted Linear Model**  
Ozkale M. R.  
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.38, no.7, pp.1094-1097, 2009 (Journal Indexed in SCI)
- XLIII. **Principal components regression estimator and a test for the restrictions**  
Ozkale M. R.  
STATISTICS, vol.43, no.6, pp.541-551, 2009 (Journal Indexed in SCI)
- XLIV. **Combining Unbiased Ridge and Principal Component Regression Estimators**  
Batah F. S. M. , Ozkale M. R. , Gore S. D.  
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.38, no.13, pp.2201-2209, 2009 (Journal Indexed in SCI)
- XLV. **A jackknifed ridge estimator in the linear regression model with heteroscedastic or correlated errors**  
Ozkale M. R.  
STATISTICS & PROBABILITY LETTERS, vol.78, no.18, pp.3159-3169, 2008 (Journal Indexed in SCI)
- XLVI. **Comparisons of the r-k class estimator to the ordinary least squares estimator under the Pitman's closeness criterion**  
Ozkale M. R. , KAÇIRANLAR S.

- STATISTICAL PAPERS, vol.49, no.3, pp.503-512, 2008 (Journal Indexed in SCI)
- XLVII. **Superiority of the r-d class estimator over some estimators by the mean square error matrix criterion**  
Ozkale M. R. , Kaciranlar S.  
STATISTICS & PROBABILITY LETTERS, vol.77, no.4, pp.438-446, 2007 (Journal Indexed in SCI)
- XLVIII. **Comparisons of the unbiased ridge estimation to the other estimations**  
Ozkale M. R. , Kaciranlar S.  
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.36, pp.707-723, 2007 (Journal Indexed in SCI)
- XLIX. **A prediction-oriented criterion for choosing the biasing parameter in Liu estimation**  
Ozkale M. R. , Kaciranlar S.  
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.36, pp.1889-1903, 2007 (Journal Indexed in SCI)
- L. **The restricted and unrestricted two-parameter estimators**  
Ozkale M. R. , KAÇIRANLAR S.  
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.36, pp.2707-2725, 2007 (Journal Indexed in SCI)

## **Books & Book Chapters**

- I. **Minitab and SPSS Applied Statistical Quality Control**  
Özkale Atıcıoğlu M. R.  
Seçkin Yayıncılık, Ankara, 2022

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Regularizing Least Squares and Extreme Learning Machine in High Dimensionality and Multicollinearity**  
Özkale Atıcıoğlu M. R.  
15th Iranian Statistics Conference, Yazd, Iran, 9 - 11 September 2020, pp.1
- II. **Ridge deviance residual charts for monitoring Poisson distributed data**  
Mammadova U., ÖZKALE M. R.  
5th International Researchers, Statisticians and Young Statisticians Congress,, İzmir, Turkey, 18 - 20 October 2019, pp.1
- III. **Stochastic linear restrictions in generalized linear models**  
ÖZKALE ATICIOĞLU M. R.  
Young Business and Industrial Statisticians (y-BİS) Workshop on Recent Advances in Data Science and Business Analytics, İstanbul, Turkey, 25 - 28 September 2019, pp.80
- IV. **The GO estimator: A new generalization of Lasso**  
GENÇ M., ÖZKALE M. R.  
Young Business and Industrial Statisticians (y-BİS) Workshop on Recent Advances in Data Science and Business Analytics, İstanbul, Turkey, 25 - 28 September 2019, pp.2
- V. **The Performance of ELM Based Ridge Regression via The Regularization Parameters**  
YILDIRIM H., ÖZKALE ATICIOĞLU M. R.  
International Congress on Statistics, Mathematics and Analytical Methods, İstanbul, Turkey, 28 March 2019, pp.308
- VI. **A Comparative Study On The Effect Of Regularization Parameters On Extreme Learning Machine Based on Ridge Regression**  
Yıldırım H., ÖZKALE M. R.  
2nd International Congress on Statistics Mathematics and Analytical Methods, İstanbul, Turkey, 18 March 2019, pp.308
- VII. **A New Extreme Learning Machine Algorithm Using Liu Regression**  
Yıldırım H., ÖZKALE M. R.

2nd International Congress on Statistics Mathematics and Analytical Methods, İstanbul, Turkey, 18 March 2019, pp.309

- VIII. **A new collinearity diagnostic in generalized linear models**  
ÖZKALE M. R.  
Trends and Perspectives in Linear Statistical Inference (LinStat2018), Bedlewo, Poland, 20 - 24 August 2018, pp.120
- IX. **Regression diagnostics methods for Liu estimator under the general linear regression model**  
ÖZKALE M. R. , Söküt Açar T.  
International Conference on Trends and Perspectives in Linear Statistical Inference (LINSTAT2018), Poznan, Poland, 20 - 24 August 2018, pp.121-122
- X. **Generalized linear model based control charts with Poisson response**  
Mamadova U., ÖZKALE ATICIOĞLU M. R.  
4th International Researchers, Statisticians and Young Statisticians Congress, İzmir, Turkey, 28 - 30 April 2018, pp.1
- XI. **Restricted alternatives to ridge and lasso regression: a random effects approach**  
GENÇ M., ÖZKALE M. R.  
XVIII. International Symposium on Econometrics, Operations Research and Statistics, Trabzon, Turkey, 5 - 07 October 2017, pp.1
- XII. **Influential observations on the confidence ellipsoids of generalized least squares and ridge regression estimators**  
Söküt Açar T., ÖZKALE M. R.  
XVIII. International Symposium on Econometrics, Operations Research and Statistics, Trabzon, Turkey, 5 - 07 October 2017, pp.1
- XIII. **Simulation on average run length comparison of multivariate control charts**  
Babaarslan K. D. , ÖZKALE M. R.  
XVIII. International Symposium on Econometrics, Operations Research and Statistics, Trabzon, Turkey, 5 - 07 October 2017, pp.1
- XIV. **Adjustment of the jackknifed ridge method to the linear mixed models**  
Kuran Ö., ÖZKALE M. R.  
3rd Researchers-Statisticians and Young Statisticians Congress, 24 - 26 May 2017
- XV. **On ridge parameter estimators for generalized linear mixed models: simulation study on Gamma response variable**  
KURTOĞLU F., ÖZKALE M. R.  
3rd Researchers-Statisticians and Young Statisticians Congress (3rd IRSYSC-2017), Konya, Turkey, 24 - 26 May 2017, pp.162
- XVI. **On estimating the regression coefficients in generalized linear models via a r-d class estimator**  
KURTOĞLU F., ÖZKALE M. R.  
3rd Researchers-Statisticians and Young Statisticians Congress (3rd IRSYSC-2017), Konya, Turkey, 24 - 26 May 2017, pp.121
- XVII. **On Estimating the Regression Coefficients in Generalized Linear Models via a r-d Class Estimator**  
Kurtoğlu F., Özkale M. R.  
3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC 2017), Konya, Turkey, 24 - 26 May 2017, pp.121
- XVIII. **Assessing the biased predictors in linear mixed models via a hypothetical data analysis**  
Kuran Ö., ÖZKALE M. R.  
3rd Researchers-Statisticians and Young Statisticians Congress (3rd IRSYSC-2017), Konya, Turkey, 24 - 26 May 2017, pp.66
- XIX. **Determining the efficiency of classification algorithms on different data sets**  
YILDIRIM H., ÖZKALE M. R.  
1st International Mediterranean Science and Engineering Congress (IMSEC2016), Adana, Turkey, 26 - 28 October 2016, pp.4348



- XX. **Linear mixed model selection under ridge regression based on conceptual predictive statistic**  
Kuran Ö., ÖZKALE M. R.  
International Conference on Trends and Perspectives in Linear Statistical Inference (LINSTAT-2016), İstanbul, Turkey, 22 - 25 August 2016, pp.50
- XXI. **Assessing The Influential Observations For Linear Regression Model With Second-order Autoregressive Errors**  
Söküt Açar T., ÖZKALE M. R.  
International Conference on Trends and Perspectives in Linear Statistical Inference (LINSTAT-2016), İstanbul, Turkey, 22 - 25 August 2016, pp.19
- XXII. **Linear mixed model selection under ridge regression based on the conceptual predictive statistic**  
KURAN Ö., ÖZKALE M. R.  
Trends and Perspectives in Linear Statistical Inference (LinStat2016), İstanbul, Turkey, 22 August - 25 June 2016
- XXIII. **Estimation in linear mixed models under stochastic linear restrictions: mixed and stochastic restricted ridge estimations**  
Kuran Ö., ÖZKALE M. R.  
International Conference on Information Complexity and Statistical Modeling in High Dimensions with Applications (IC-SMHD-2016), Nevşehir, Turkey, 18 - 21 May 2016, pp.35
- XXIV. **A first-order approximated restricted Liu estimation in generalized linear models**  
KURTOĞLU F., ÖZKALE M. R.  
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- XXIX. **Diagnostic statistics for binary logistic regression in the presence of multicollinearity**  
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6. İstatistik Günleri Sempozyumu, Samsun, Turkey, 28 - 30 August 2008, pp.76
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ÖZKALE ATICIOĞLU M. R. , Project Supported by Other Official Institutions, Genel lineer regresyon modelinde Liu ve iki parametrelili Liu-Ridge tahmin edicileri için regresyon tanımlama metotları, 2018 - 2019

ÖZKALE ATICIOĞLU M. R. , Project Supported by Higher Education Institutions, Collinearity diagnostics and alternative estimators in generalized linear models, 2018 - 2019

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ÖZKALE ATICIOĞLU M. R. , Kuran Ö., Project Supported by Higher Education Institutions, Lineer Karma Modellerde Parametre Tahmini ve Sonuç Çıkarım, 2015 - 2017

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## Scientific Refereeing

COMPUTATIONAL STATISTICS, Journal Indexed in SCI-E, January 2022

COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, Journal Indexed in SCI-E, January 2022

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TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Cukurova University, Turkey, May 2021

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## **Scientific Consultations**

Türkiye Bilimsel ve Teknolojik Araştırmalar Kurumu (TÜBİTAK), Project Consultancy, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, Turkey, 2022 - 2022  
Türkiye Bilimsel ve Teknolojik Araştırmalar Kurumu (TÜBİTAK), Project Consultancy, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, Turkey, 2021 - 2021  
Türkiye Bilimsel ve Teknolojik Araştırmalar Kurumu (TÜBİTAK), Project Consultancy, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, Turkey, 2019 - 2019  
Türkiye Bilimsel ve Teknolojik Araştırmalar Kurumu (TÜBİTAK), Project Consultancy, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, Turkey, 2018 - 2018

## **Edit Congress and Symposium Activities**

Örebro University, Invited Speaker, Örebro, Sweden, 2021  
15th Iranian Statistics Conference, Invited Speaker, Yazd, Iran, 2020  
Young Business and Industrial Statisticians (y-BİS) Workshop on Recent Advances in Data Science and Business Analytics, Session Moderator, İstanbul, Turkey, 2019  
Young Business and Industrial Statisticians (y-BİS) Workshop on Recent Advances in Data Science and Business Analytics, Attendee, İstanbul, Turkey, 2019  
International Conference on Trends and Perspectives in Linear Statistical Inference (LINSTAT2018), Attendee, Poznan, Poland, 2018  
XVIII. International Symposium on Econometrics, Operations Research and Statistics, Session Moderator, Trabzon,

Turkey, 2017

XVIII. International Symposium on Econometrics, Operations Research and Statistics, Attendee, Trabzon, Turkey, 2017

XVIII. International Symposium on Econometrics, Operations Research and Statistics, Session Moderator, Trabzon, Turkey, 2017

XVIII. International Symposium on Econometrics, Operations Research and Statistics, Session Moderator, Trabzon, Turkey, 2017

3rd Researchers-Statisticians and Young Statisticians Congress (3rd IRSYSC-2017), Attendee, Konya, Turkey, 2017

International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2016), Session Moderator, İstanbul, Turkey, 2016

Trends and Perspectives in Linear Statistical Inference (LinStat2016), Attendee, İstanbul, Turkey, 2016

International Conference on Information Complexity and Statistical Modeling in High Dimensions with Applications (IC-SMHD-2010), Attendee, Nevşehir, Turkey, 2016

PROBSTAT 2015- The Seventh International Conference on Mathematical Statistics, Attendee, Bratislava, Slovakia, 2015

Trends and Perspectives in Linear Statistical Inference (LinStat2014), Attendee, Linköping, Sweden, 2014

8. International Symposium of Statistics, Session Moderator, Eskişehir, Turkey, 2012

8. International Symposium of Statistics, Attendee, Eskişehir, Turkey, 2012

The IX Tartu Conference on Multivariate Statistics & The XX International Workshop on Matrices and Statistics, Attendee, Tartu, Estonia, 2011

Uluslararası 7. İstatistik Kongresi 2011, Attendee, Antalya, Turkey, 2011

6. İstatistik Günleri Sempozyumu, Attendee, Samsun, Turkey, 2008

5. İstatistik Günleri Sempozyumu, Attendee, Antalya, Turkey, 2006

4. İstatistik Kongresi, Attendee, Antalya, Turkey, 2005

## Citations

Total Citations (WOS):320

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## Scholarships

2219-Doktora Sonrası Araştırma Burs Programı, TUBITAK, 2013 - 2014

Yurt İçi Doktora Burs Programı, TUBITAK, 2005 - 2007

Yurt İçi Yüksek Lisans Burs Programı, TUBITAK, 2003 - 2004

Üniversite Temel Bilimler Burs Programı-B, TUBITAK, 2000 - 2002

## Awards

Özkale M. R. , 2002 Bölüm Üçüncülüğü, Çukurova Üniversitesi, June 2002

Özkale M. R. , 2002 Fakülte Üçüncülüğü, Çukurova Üniversitesi, June 2002