

## Prof. Mehmet Ali Cengiz



### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AGZ-9391-2022

ScopusID: 12766595200

Yoksis Researcher ID: 19604

### Education Information

Doctorate, University of Salford, England 1995 - 1998

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, İstatistik (YI) (Tezli), Turkey 1989 - 1992

Undergraduate, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, Turkey 1985 - 1989

### Dissertations

Doctorate, Contributions To The Development And Analysis of Multivariate Generalized Linear Models, With Application To The Diagnosis Of Arterial Occlusive Disease, University of Salford, 1998

Postgraduate, Dinamik regresyon modeli ile elektrik tüketimi tahmini, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, İstatistik (YI) (Tezli), 1992

### Research Areas

Biostatistics and Medical Informatics, Artificial Intelligence, Computer Learning and Pattern Recognition, Statistics

### Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, 2014 - Continues

Associate Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, İstatistik Bölümü, 2007 - 2014

Assistant Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, İstatistik Bölümü, 1999 - 2007

Research Assistant, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, İstatistik Bölümü, 1990 - 1999

### Academic and Administrative Experience

Head of Department, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2012 - 2022  
Vice Rector, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2017 - 2020  
Director of Continuing Education Center, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2018 - 2018  
Head of Department, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2014 - 2018  
Manager of Research and Application Center, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2016 - 2017  
Rector's Advisor, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2016 - 2017  
Academic Performance D. Board Member, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2008 - 2013  
Member of Strategic Planning Coordination Group, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2008 - 2013  
Yükseköğretim Kurulu Üyesi, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2010 - 2012  
Coordinator of Faculty Training Program, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2009 - 2012  
Deputy Head of Department, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2009 - 2012  
Strategy Development Board Member, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2008 - 2012  
Rectorate Commissioner, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2008 - 2012  
Director of the Center, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2008 - 2012

## Jury Memberships

Associate Professor Exam, Associate Professor Exam, Ondokuz Mayıs Üniversitesi, May, 2023  
Associate Professor Exam, Associate Professor Exam, Ondokuz Mayıs Üniversitesi, November, 2022  
Associate Professor Exam, Associate Professor Exam, Ondokuz Mayıs Üniversitesi, May, 2022  
Associate Professor Exam, Associate Professor Exam, Ondokuz Mayıs Üniversitesi, March, 2019  
Associate Professor Exam, Associate Professor Exam, Ondokuz Mayıs Üniversitesi, October, 2018

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

- I. **Local resampling for locally weighted Naive Bayes in imbalanced data**  
SAĞLAM F., Cengiz M. A.  
COMPUTING, vol.106, no.1, pp.185-200, 2024 (SCI-Expanded)
- II. **The Best Fit Bayesian Hierarchical Generalized Linear Model Selection Using Information Complexity Criteria in the MCMC Approach**  
Ebrahim E. A., Cengiz M. A., Terzi E.  
JOURNAL OF MATHEMATICS, vol.2024, 2024 (SCI-Expanded)
- III. **Model selection in multivariate adaptive regressions splines (MARS) using alternative information criteria**  
Bekar Adiguzel M., Cengiz M. A.  
Heliyon, vol.9, no.9, 2023 (SCI-Expanded)
- IV. **Stochastic Energy Performance Evaluation Using a Bayesian Approach**  
Terzi E., Aydın S. G., Cengiz M. A.  
JOURNAL OF MATHEMATICS, vol.2023, 2023 (SCI-Expanded)
- V. **Alternative expectation approaches for expectation-maximization missing data imputations in cox regression**  
Sağlam F., Sanli T., Cengiz M. A., Terzi Y.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.52, no.12, pp.5966-5974, 2023 (SCI-Expanded)
- VI. **Clustered Bayesian classification for within-class separation**  
SAĞLAM F., Yıldırım E., Cengiz M. A.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.208, 2022 (SCI-Expanded)
- VII. **Copula Approach to Multivariate Energy Efficiency Analysis**

Sozen M., Cengiz M. A.

ASIA-PACIFIC JOURNAL OF OPERATIONAL RESEARCH, vol.39, no.06, 2022 (SCI-Expanded)

- VIII. **A Novel Expert System for Diagnosis of Iron Deficiency Anemia**  
Terzi E., Sarıbacak B., SAĞLAM F., Cengiz M. A.  
COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, vol.2022, 2022 (SCI-Expanded)
- IX. **A novel SMOTE-based resampling technique through noise detection and the boosting procedure**  
Sağlam F., Cengiz M. A.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.200, 2022 (SCI-Expanded)
- X. **Implementation of adaptive lasso regression based on multiple Theil-Sen Estimators using differential evolution algorithm with heavy tailed errors**  
Dunder E., Zaman T., Cengiz M. A., Alakus K.  
JOURNAL OF THE NATIONAL SCIENCE FOUNDATION OF SRI LANKA, no.2, pp.395-404, 2022 (SCI-Expanded)
- XI. **Predicting Verbal Learning and Memory Assessments of Older Adults Using Bayesian Hierarchical Models**  
Ebrahim E. A., Cengiz M. A.  
FRONTIERS IN PSYCHOLOGY, vol.13, 2022 (SSCI)
- XII. **Risk Estimation in Exchange Rate Markets Based on Stochastic Copula Approach**  
Terzi E., Yıldırım E., Sarıbacak B., Cengiz M. A.  
Discrete Dynamics in Nature and Society, vol.2022, 2022 (SCI-Expanded)
- XIII. **Modeling dependency between industry production and energy market via stochastic copula approach**  
Yıldırım E., Cengiz M. A.  
Communications in Statistics: Simulation and Computation, vol.51, no.4, pp.2006-2019, 2022 (SCI-Expanded)
- XIV. **Particle swarm optimization-based variable selection in Poisson regression analysis via information complexity-type criteria**  
Koc H., Dunder E., Gumustekin S., Koc T., Cengiz M. A.  
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.47, no.21, pp.5298-5306, 2018 (SCI-Expanded)
- XV. **Energy performance evaluation of OECD countries using Bayesian stochastic frontier analysis and Bayesian network classifiers**  
Cengiz M. A., Dunder E., ŞENEL T.  
JOURNAL OF APPLIED STATISTICS, vol.45, no.1, pp.17-25, 2018 (SCI-Expanded)
- XVI. **Variable selection in linear regression analysis with alternative Bayesian information criteria using differential evaluation algorithm**  
Dunder E., Gumustekin S., Murat N., Cengiz M. A.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, no.2, pp.605-614, 2018 (SCI-Expanded)
- XVII. **Variable selection in gamma regression models via artificial bee colony algorithm**  
Dunder E., Gumustekin S., Cengiz M. A.  
JOURNAL OF APPLIED STATISTICS, no.1, pp.8-16, 2018 (SCI-Expanded)
- XVIII. **Subset selection in quantile regression analysis via alternative Bayesian information criteria and heuristic optimization**  
Dunder E., Gumustekin S., Murat N., Cengiz M. A.  
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.46, no.22, pp.11091-11098, 2017 (SCI-Expanded)
- XIX. **Using informative priors for handling missing data problem in Cox regression**  
Alkan N., Terzi Y., Cengiz M. A.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.46, no.10, pp.7614-7623, 2017 (SCI-Expanded)
- XX. **Graphical modeling for item difficulty in medical faculty exams**  
Tomak L., Bek Y., Cengiz M. A.  
NIGERIAN JOURNAL OF CLINICAL PRACTICE, vol.19, no.1, pp.58-65, 2016 (SCI-Expanded)
- XXI. **A Bayesian Approach for Evaluation of Determinants of Health System Efficiency Using Stochastic Frontier Analysis and Beta Regression**

- ŞENEL T., Cengiz M. A.  
COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, vol.2016, 2016 (SCI-Expanded)
- XXII. **Bayesian Hierarchical Modeling for Categorical Longitudinal Data from Sedation Measurements**  
Terzi E., Cengiz M. A.  
COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, vol.2013, 2013 (SCI-Expanded)
- XXIII. **COMPARING MODELS OF THE EFFECT OF AIR POLLUTANTS ON HOSPITAL ADMISSIONS AND SYMPTOMS FOR CHRONIC OBSTRUCTIVE PULMONARY DISEASE**  
Cengiz M. A., Terzi Y.  
CENTRAL EUROPEAN JOURNAL OF PUBLIC HEALTH, vol.20, no.4, pp.282-286, 2012 (SCI-Expanded)
- XXIV. **Zero-Inflated Regression Models for Modeling the Effect of air Pollutants on Hospital Admissions**  
Cengiz M. A.  
POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.21, no.3, pp.565-568, 2012 (SCI-Expanded)
- XXV. **Comparing different sedation medications using generalized estimating equations approach**  
Cengiz M. A., ŞENEL T., Terzi Y., Murat N., Savaş N.  
African Journal of Pharmacy and Pharmacology, vol.4, no.4, pp.130-134, 2010 (SCI-Expanded)
- XXVI. **Using of generalized additive model for model selection in multiple poisson regression for air pollution data**  
Terzi Y., Cengiz M. A.  
Scientific Research and Essays, vol.4, no.9, pp.867-871, 2009 (SCI-Expanded)
- XXVII. **Application of group sequential test methods in survival analysis and power analysis of spending function**  
Terzi Y., Sari M., Oguetue A. S., Cengiz M. A.  
TURKIYE KLINIKLERI TIP BİLİMLERİ DERGİSİ, vol.27, no.6, pp.846-852, 2007 (SCI-Expanded)
- XXVIII. **Mixed multivariate generalized linear models for assessing lower-limb arterial stenoses**  
Cengiz M. A., Percy D. F.  
Statistics in Medicine, vol.20, no.11, pp.1663-1679, 2001 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Dynamic Dependence between Oil and Stock Markets: International Evidence with Stochastic Copula Approach**  
YILDIRIM E., CENGİZ M. A.  
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.24, no.4, pp.811-818, 2024 (Peer-Reviewed Journal)
- II. **Risk evaluation of exchange rate portfolio based on the copula-GARCH approach**  
Yıldırım E., Cengiz M. A.  
İstatistikçiler Dergisi: İstatistik ve Aktüerya, vol.17, no.1, pp.1-13, 2024 (Peer-Reviewed Journal)
- III. **Comparative Analysis of Skin Cancer Image with Classification and Clustering Algorithms**  
Kara M., Terzi Y., Cengiz M. A.  
international Journal of Computer , vol.49, no.1, pp.229-244, 2023 (Peer-Reviewed Journal)
- IV. **SOSYAL BİLİMLERDE VERİ BİLİMİ KULLANIMI**  
Sağlam F., Cengiz M. A.  
Avrasya Sosyal ve Ekonomi Araştırmaları Dergisi (ASEAD), vol.10, no.4, pp.1175-1207, 2023 (Peer-Reviewed Journal)
- V. **ORIGINAL PAPER AN ENHANCED CLASSIFICATION SYSTEM BASED ON KERNEL PRINCIPAL COMPONENT ANALYSIS AND DATA COMPLEXITY MEASURES**  
SAĞLAM F., DÜNDER E., CENGİZ M. A.  
JOURNAL OF SCIENCE AND ARTS, no.2, pp.12, 2023 (ESCI)
- VI. **Random Ensemble MARS: Model Selection in Multivariate Adaptive Regression Splines Using Random Forest Approach**

- SABANCI D., CENGİZ M. A.  
Journal of New Theory, vol.40, pp.0-45, 2022 (Peer-Reviewed Journal)
- VII. **Modeling and Forecasting of USD/TRY Exchange Rate Using ARMA-GARCH Approach**  
YILDIRIM E., CENGİZ M. A.  
İstatistik Araştırma Dergisi, vol.12, no.2, 2022 (Peer-Reviewed Journal)
- VIII. **ENSEMBLE LEARNING ALGORITHMS**  
Turan S. C., Cengiz M. A.  
JOURNAL OF SCIENCE AND ARTS, no.2, pp.459-470, 2022 (ESCI)
- IX. **Optimization Based Undersampling for Imbalanced Classes Dengesiz Sınıflamada Optimizasyona Dayalı Azörnekleme**  
SAĞLAM F., Sözen M., Cengiz M. A.  
Adiyaman University Journal of Science, vol.11, no.2, pp.385-409, 2021 (Scopus)
- X. **Efficiency Analysis and Estimation of Factors Affecting the Efficiency with Decision Trees in Imbalanced Data: A Case of Turkey\2019s Environmental Sustainability**  
TURAN S. C., DÜNDER E., CENGİZ M. A.  
Journal of New Theory, vol.37, no.4, pp.58-67, 2021 (Peer-Reviewed Journal)
- XI. **Efficiency Analysis and Estimation of Factors Affecting the Efficiency with Decision Trees in Imbalanced Data: A Case of Turkey's Environmental Sustainability**  
TURAN S. C., DÜNDER E., CENGİZ M. A.  
Journal of New Theory, vol.2021, no.37, pp.58-67, 2021 (Peer-Reviewed Journal)
- XII. **The Effects of Kernel Functions and Optimal Hyperparameter Selection on Support Vector Machines**  
YAMAN A., CENGİZ M. A.  
Journal of New Theory, vol.2021, no.34, pp.64-71, 2021 (Peer-Reviewed Journal)
- XIII. **A Classical and Bayesian Approach for Parameter Estimation in Structural Equation Models**  
MURAT N., CENGİZ M. A.  
Journal of New Theory, 2020 (Peer-Reviewed Journal)
- XIV. **Model Selection in Beta Regression Analysis Using Several Information Criteria and Heuristic Optimization**  
DÜNDER E., CENGİZ M. A.  
Journal of New Theory, 2020 (Peer-Reviewed Journal)
- XV. **A Classical and Bayesian Approach for Parameter Estimation in Structural Equation Models**  
MURAT N., CENGİZ M. A.  
Journal of New Theory, no.33, pp.56-75, 2020 (Peer-Reviewed Journal)
- XVI. **Determining the Factors that Influence the Effectiveness of the Health Sector in the OECD Countries**  
TURAN S. C., CENGİZ M. A.  
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.24, no.5, pp.1094-1104, 2020 (Peer-Reviewed Journal)
- XVII. **Dependency between Exchange Rate and Gold Price via Copula-DCC-GARCH Approach**  
YILDIRIM E., CENGİZ M. A.  
International Journal for Scientific Research and Development, vol.6, no.5, pp.974-978, 2018 (Peer-Reviewed Journal)
- XVIII. **The use of several information criteria for logistic regression model to investigate the effects of diabetic drugs on HbA1c levels**  
Murat N., Dünder E., Cengiz M. A., Önger M. E.  
Biomedical Research (India), vol.29, no.7, pp.1370-1375, 2018 (Scopus)
- XIX. **Prior Selection and Comparisons in Bayesian Generalized Linear Mixed Models**  
ÖZTÜRK Z., CENGİZ M. A.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, no.3, pp.999-1010, 2017 (Peer-Reviewed Journal)
- XX. **Determining of Dependency Between Exchange Rates Through Copula – GARCH Model**  
YILDIRIM E., CENGİZ M. A.  
EPRA International Journal of Research Development (IJRD), vol.2, no.11, pp.7-15, 2017 (Peer-Reviewed Journal)

- XXI. **Evaluating Value at Risk in BIST using Copula Approach**  
YILDIRIM E., CENGİZ M. A.  
International Journal of Sciences : Basic and Applied Research, vol.30, no.5, pp.52-62, 2016 (Peer-Reviewed Journal)
- XXII. **Comparisons Of Markov Chain Monte Carlo Convergence Diagnostic Tests For Bayesian Logistic Random Effect Models**  
ÖZTÜRK Z., CENGİZ M. A.  
International Journal of research in Medical and Health Science, vol.9, no.1, pp.1-13, 2016 (Peer-Reviewed Journal)
- XXIII. **A bibliometric analysis of socio economic academic development and publication productivity of Turkish world during 1992 2014**  
DEMİR E., CENGİZ M. A., ŞENEL E.  
hitit university journal of social sciences institute, vol.9, no.1, pp.441-460, 2016 (Peer-Reviewed Journal)
- XXIV. **evaluation of determinants of employment efficiency using stochastic frontier analysis and beta regression**  
DÜNDER E., GÜMÜŞTEKİN S., CENGİZ M. A.  
Journal of Mathematical and Computational Science, vol.5, no.6, pp.848-856, 2015 (Peer-Reviewed Journal)
- XXV. **skorlama ölçütlerinin bayesci yapı öğrenme algoritmaları üzerindeki etkilerinin incelenmesi**  
DÜNDER E., CENGİZ M. A., GÜMÜŞTEKİN S.  
international anatolia academic online journal, pp.19-24, 2015 (Peer-Reviewed Journal)
- XXVI. **Use of item response theory on University entrance plot exam for evaluating the students ability**  
KOÇ T., CENGİZ M. A., KOÇ H.  
IAAOJ Scientific Science, vol.3, no.1, 2015 (Peer-Reviewed Journal)
- XXVII. **Examining the Affects Of Scoring Metrics On Bayesian Networks Structure Learning**  
DÜNDER E., CENGİZ M. A., GÜMÜŞTEKİN S.  
IAAOJ Scientific Science, vol.3, no.1, 2015 (Peer-Reviewed Journal)
- XXVIII. **A Bayesian aproach for zero inflated count data in psychological research**  
MURAT N., CENGİZ M. A., KOÇ B.  
Journal of Advanced Scientific Research, vol.6, no.1, 2015 (Peer-Reviewed Journal)
- XXIX. **A Bayesian Zero Inflated Model for Modelling The Effect of Air Pollutants on Hospital Admissions and Symptoms for Chronic Obstructive Pulmonary Disease**  
TERZİ E., ŞENEL T., KOÇ H., CENGİZ M. A.  
International Journal of Statistics, vol.38, no.1, pp.1114-1120, 2014 (Peer-Reviewed Journal)
- XXX. **Investigation of the impacts of constraint based algorithms to the quality of bayesian network structure in hybrid algorithms for medical studies**  
DÜNDER E., CENGİZ M. A., KOÇ H.  
Journal of Advanced Scientific Research, vol.5, no.1, 2014 (Peer-Reviewed Journal)
- XXXI. **A Comparative Study on Bayesian Optimization Algorithm for Nutrition Problem**  
GÜMÜŞTEKİN S., ŞENEL T., CENGİZ M. A.  
Journal of Food and Nutrition Research, vol.2, no.12, pp.952-958, 2014 (Peer-Reviewed Journal)
- XXXII. **Comparison of missing data analysis methods in Cox proportional hazard models**  
Alkan N., Terzi Y., Cengiz M. A., Alkan B. B.  
Türkiye Klinikleri Biyoistatistik Dergisi, vol.5, no.2, pp.49-54, 2013 (Peer-Reviewed Journal)
- XXXIII. **AŞIRI YAYILIMLI VERİLER İÇİN GENELLEŞTİRİLMİŞ POISSON KARMA MODELLERİN HAVA KİRLİLİĞİ ÜZERİNE BİR UYGULAMASI**  
KOÇ H., CENGİZ M. A., KOÇ T., DÜNDER E.  
INTERNATIONAL ANATOLIA ACADEMIC ONLINE JOURNAL, 2013 (Non Peer-Reviewed Journal)
- XXXIV. **Samsun Bölgesindeki Hava Kirliliğinin Neden Olduğu Hastalıkların İstatistiksel Modellenmesi**  
CENGİZ M. A., ŞENEL T., TERZİ E., SAVAŞ N., TERZİ Y.  
Karadeniz Fen Bilimleri Dergisi, vol.3, no.8, pp.27-36, 2013 (Peer-Reviewed Journal)
- XXXV. **Bayesci Ağlarda Risk Analizi Bankacılık Sektörü Üzerine Bir Uygulama**  
DÜNDER E., CENGİZ M. A., KOÇ H., SAVAŞ N.

- Erzincan Ün. Sosyal Bilimler Enstitüsü Dergisi, vol.4, no.1, 2013 (Peer-Reviewed Journal)
- XXXVI. **BAYESÇİ AĞLARDA RİSK ANALİZİ BANKACILIK SEKTÖRÜ ÜZERİNE BİR UYGULAMA**  
DÜNDER E., CENGİZ M. A., KOÇ H., SAVAŞ N.  
Erzincan Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, 2013 (Peer-Reviewed Journal)
- XXXVII. **A BAYESIAN APPROACH FOR ITEM RESPONSE THEORY IN ASSESSING THE PROGRESS TEST IN MEDICAL STUDENTS**  
CENGİZ M. A., ÖZTÜRK Z.  
International Journal of Research In Medical and Health Sciences, vol.3, pp.15-19, 2013 (Peer-Reviewed Journal)
- XXXVIII. **Lojistik Regresyonda Parametre Tahmininde Bayesci Bir Yaklaşım**  
CENGİZ M. A., TERZİ E., ŞENEL T., MURAT N.  
Afyon Kocatepe Üniversitesi Fen Bilimleri Dergisi, vol.12, no.1, pp.15-22, 2012 (Peer-Reviewed Journal)
- XXXIX. **Bayesian Method of Moments for Modelling Repeated Sedation Measurements**  
ŞENEL T., TERZİ E., CENGİZ M. A.  
Journal of Advanced Scientific Research, vol.3, no.4, pp.78-81, 2012 (Peer-Reviewed Journal)
- XL. **A Bayesian Computation for the Prediction of Football Match Results Using Artificial Neural Network**  
CENGİZ M. A., MURAT N., KOÇ H., ŞENEL T.  
International Journal of Scientific Knowledge, vol.1, no.2, pp.25-31, 2012 (Peer-Reviewed Journal)
- XLI. **Genelleştirilmiş lineer karma modellerde tahmin yöntemlerinin uygulamalı karşılaştırılması**  
KOÇ T., CENGİZ M. A.  
Karaelmas Fen ve Mühendislik Dergisi, vol.2, no.2, 2012 (Peer-Reviewed Journal)
- XLII. **AN APPLICATION OF LATENT ROOT REGRESSION MODELS TO REAL DATA SET**  
TERZİ E., ŞENEL T., TERZİ Y., CENGİZ M. A.  
e-Journal of New World Sciences Academy, vol.4, no.4, pp.104-109, 2009 (Peer-Reviewed Journal)
- XLIII. **Youth s perception of problem Trabzon case**  
MURAT N., CENGİZ M. A., TERZİ Y.  
THE JOURNAL OF INTERNATIONAL SOCIAL RESEARCH, vol.2, no.7, pp.175-184, 2009 (Peer-Reviewed Journal)
- XLIV. **Çoklu Doğrusal Regresyonda Model Seçiminde Genelleştirilmiş Toplamsal Modellerin Kullanımı**  
ŞENEL T., CENGİZ M. A., SAVAŞ N., TERZİ Y.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.2, no.2, pp.217-227, 2009 (Peer-Reviewed Journal)
- XLV. **Latent Regresyon Modellerin Gerçek Veri Kümesine Uygulaması**  
TERZİ E., ŞENEL T., TERZİ Y., CENGİZ M. A.  
e-Journal of New World Sciences Academy, vol.4, no.4, pp.104-109, 2009 (Peer-Reviewed Journal)
- XLVI. **Genç Nüfusun Sorun Algılaması: Trabzon Örneği**  
MURAT N., CENGİZ M. A., TERZİ Y.  
THE JOURNAL OF INTERNATIONAL SOCIAL RESEARCH, vol.2, no.7, pp.175-184, 2009 (Peer-Reviewed Journal)
- XLVII. **An application of multinomial response models using bayesian approach**  
Cengiz M. A., Terzi Y., Savas N.  
JOURNAL OF STATISTICS & MANAGEMENT SYSTEMS, vol.12, no.4, pp.603-611, 2009 (ESCI)
- XLVIII. **Lojistik regresyonda Bayesci model ortalaması yaklaşımı**  
CENGİZ M. A., MURAT N., TERZİ Y., Savaş N.  
Selçuk Üniversitesi Fen Dergisi, vol.2, no.32, pp.101-106, 2008 (Peer-Reviewed Journal)
- XLIX. **Grup ardışık test yöntemleri ile sağkalım analizinde örneklem hacminin belirlenmesi**  
TERZİ Y., MURAT N., CENGİZ M. A.  
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.8, no.1, pp.169-180, 2008 (Peer-Reviewed Journal)
- L. **Bayesci hipotez testleri ve Bayes faktörü**  
TERZİ Y., MURAT N., CENGİZ M. A.  
e-Journal of New World Sciences Academy, vol.3, no.2, pp.321-329, 2008 (Peer-Reviewed Journal)
- LI. **Application of group sequential test methods in survival analysis and power analysis of spending function Grup ardışık test yöntemlerinin sağkalım analizinde uygulanması ve harcama fonksiyonlarının güç analizi**

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