

Prof. TÜRKAN ERBAY DALKILIÇ

Personal Information

Office Phone: [+90 462 377 2515](tel:+904623772515)

Email: terbay@ktu.edu.tr

Web: <https://avesis.ktu.edu.tr//terbay>

Address: Karadeniz Teknik Üniversitesi Fen Fakültesi İstatistik ve Bilgisayar Bilimleri Bölümü Kanuni Kampüsü Trabzon

International Researcher IDs

ORCID: 0000-0003-2923-599X

Yoksis Researcher ID: 151958

Education Information

Doctorate, Ankara University, Fen Bilimleri, İstatistik, Turkey 1999 - 2005

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Turkey 1996 - 1999

Undergraduate, Hacettepe University, Fen Fakültesi, İstatistik Bölümü, Turkey 1990 - 1995

Certificates, Courses and Trainings

Education Management and Planning, Araştırma Projesi Hazırlama, TÜBİTAK, 2014

Dissertations

Doctorate, SWITCHING REGRESYONDA BULANIK SİNİR AĞLARI YAKLAŞIMI İLE PARAMETRE TAHMİNİ, Ankara University, Fen Bilimleri, İstatistik Anabilim Dalı, 2005

Postgraduate, MİNİMAD REGRESYON PROBLEMİNE SİNİR AĞLARI YAKLAŞIMI, Ankara University, Fen Bilimleri Enstitüsü, İstatistik Anabilim Dalı, 1999

Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences

Academic Titles / Tasks

Professor, Karadeniz Technical University, Fen Fakültesi, İstatistik ve Bilgisayar Bilimleri, 2016 - Continues

Associate Professor, Karadeniz Technical University, Fen Fakültesi, İstatistik ve Bilgisayar Bilimleri, 2011 - 2016

Assistant Professor, Karadeniz Technical University, Fen Fakültesi, İstatistik ve Bilgisayar Bilimleri, 2007 - 2011

Research Assistant PhD, Karadeniz Technical University, Fen Fakültesi, İstatistik ve Bilgisayar Bilimleri, 2005 - 2007

Research Assistant, Ankara University, Faculty Of Science, İstatistik, 1999 - 2005

Research Assistant, Karadeniz Technical University, Fen Fakültesi, İstatistik ve Bilgisayar Bilimleri, 1996 - 1999

Academic and Administrative Experience

Karadeniz Technical University, Fen Fakültesi, İstatistik ve Bilgisayar Bilimleri, 2013 - Continues
Karadeniz Technical University, Fen Fakültesi, İstatistik ve Bilgisayar Bilimleri, 2009 - 2013
Karadeniz Technical University, Fen Fakültesi, İstatistik ve Bilgisayar Bilimleri, 2008 - 2009

Courses

Tam Sayılı Programlama, Doctorate, 2015 - 2016
Deneylerin İstatistiksel Tasarımı, Undergraduate, 2016 - 2017
Optimizasyon Teknikleri, Postgraduate, 2016 - 2017
Parametrik Olmayan İstatistiksel Yöntemler, Undergraduate, 2016 - 2017
İstatistiksel Hesaplama ve Veri Analizi, Undergraduate, 2014 - 2015
Optimizasyon, Undergraduate, 2014 - 2015
İstatistiğe Giriş, Undergraduate, 2014 - 2015
Belirsizliğin Matematiksel Analizi, Undergraduate, 2013 - 2014
İstatistiksel Yazılımlar, Undergraduate, 2013 - 2014
Optimizasyon Teknikleri, Postgraduate, 2013 - 2014
Çok Ölçütlü Karar Verme Teknikleri, Postgraduate, 2013 - 2014
Regresyon Analizi, Undergraduate, 2013 - 2014
Yöneylem Araştırması, Undergraduate, 2013 - 2014

Advising Theses

Erbay Dalkılıç T., Adaptive Neuro Fuzzy Inference System Based on Portfolio Optimization Problem, Doctorate, İYAMAN(Student), 2021
ERBAY DALKILIÇ T., TİP-2 BULANIK KÜMELEMeye DAYALI PARAMETRE TAHMİNİ, Postgraduate, S.SAĞIRKAYA(Student), 2017
ERBAY DALKILIÇ T., BULANIK DOĞRUSAL PROGRAMLAMA İLE PORTFÖY SEÇİMİ, Postgraduate, T.GÜL(Student), 2015
ERBAY DALKILIÇ T., BULANIK ÇOK ÖLÇÜTLÜ PROGRAMLAMA PROBLEMİNİN AHP'YE DAYALI ÇÖZÜMÜ, Postgraduate, S.AKBAŞ(Student), 2014
ERBAY DALKILIÇ T., ÇOKLU DOĞRUSAL REGRESYON MODELİ İÇİN BULANIK ÜYELİK FONKSİYONUNA DAYALI PARAMETRE TAHMİNİ, Postgraduate, T.KARAN(Student), 2014
ERBAY DALKILIÇ T., BULANIK KÜMELEMeye DAYALI PARAMETRE TAHMİNİ, Postgraduate, E.GÖKTÜRK(Student), 2014

Jury Memberships

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Ondokuz Mayıs Üniversitesi, July, 2019
Appointment to Academic Staff-Assistant Professorship, Doçentlik Atama Jürisi, Giresun Üniversitesi, March, 2019
Doctorate, Tez Savunma Jürisi, Ondokuz Mayıs Üniversitesi, September, 2018
Doctorate, Tez Savunma Jürisi, Ondokuz Mayıs Üniversitesi, September, 2018
Appointment to Academic Staff-Assistant Professorship, Profesörlük Kadrosuna Atanma, Ahi Evran Üniversitesi, July, 2016
Appointment to Academic Staff-Assistant Professorship, Doçent Kadrosuna Atanma, T.C. Hitit Üniversitesi, June, 2016
Post Graduate, Tez Savunma Jürisi, Ahi Evran Üniversitesi, February, 2015
Post Graduate, Tez Jürisi, Karadeniz Teknik Üniversitesi, November, 2013
Post Graduate, Tez Jürisi, Karadeniz Teknik Üniversitesi, June, 2013
Post Graduate, Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi, May, 2013
Doctorate, Tez Savunma Jürisi, Ondokuz Mayıs Üniversitesi, September, 2012
Post Graduate, Tez Savunma, Karadeniz Teknik Üniversitesi, December, 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Study on Portfolio Selection Based on Fuzzy Linear Programming**
AKBAŞ S., ERBAY DALKILIÇ T., Aksoy T. G.
INTERNATIONAL JOURNAL OF UNCERTAINTY FUZZINESS AND KNOWLEDGE-BASED SYSTEMS, vol.30, no.02, pp.211-230, 2022 (SCI-Expanded)
- II. **A hybrid algorithm for portfolio selection: An application on the Dow Jones Index (DJI)**
AKBAŞ S., ERBAY DALKILIÇ T.
Journal of Computational and Applied Mathematics, vol.398, 2021 (SCI-Expanded)
- III. **A hybrid approach to cardinality constraint portfolio selection problem based on nonlinear neural network and genetic algorithm**
Yaman I., Dalkilic T.
EXPERT SYSTEMS WITH APPLICATIONS, vol.169, 2021 (SCI-Expanded)
- IV. **Parameter Prediction Based on Type-2 Fuzzy Clustering**
ERBAY DALKILIÇ T., Sagirkaya S.
INTERNATIONAL JOURNAL OF UNCERTAINTY FUZZINESS AND KNOWLEDGE-BASED SYSTEMS, vol.26, no.6, pp.877-892, 2018 (SCI-Expanded)
- V. **Evaluation of trapezoidal fuzzy numbers on AHP based solution of multi-objective programming problems**
Akbaş S., Dalkilic T.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.31, no.3, pp.1869-1879, 2016 (SCI-Expanded)
- VI. **Parameter estimation by anfis where dependent variable has outlier**
ERBAY DALKILIÇ T., ŞANLI KULA K., APAYDIN A.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.43, no.2, pp.309-322, 2014 (SCI-Expanded)
- VII. **Fuzzy adaptive neural network approach to path loss prediction in urban areas at GSM-900 band**
ERBAY DALKILIÇ T., Hanci B. Y., APAYDIN A.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.18, no.6, pp.1077-1094, 2010 (SCI-Expanded)
- VIII. **A fuzzy adaptive network approach to parameter estimation in cases where independent variables come from an exponential distribution**
Dalkilic T., Apaydin A.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.233, no.1, pp.36-45, 2009 (SCI-Expanded)
- IX. **Neural networks approach for determining total claim amounts in insurance**
Dalkilic T., Tank F., Kula K. S.
INSURANCE MATHEMATICS & ECONOMICS, vol.45, no.2, pp.236-241, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **PARAMETER ESTIMATION BY TYPE-2 FUZZY LOGIC IN CASE THAT DATA SET HAS OUTLIER**
Erbay Dalkılıç T., Sanli Kula K., Sagirkaya Tolan S.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.69, no.2, pp.1193-1204, 2020 (ESCI)
- II. **YAMUK BULANIK SAYILARA DAYALI DOGRUSAL PROGRAMLAMA ILE PORTFOY OPTIMIZASYONU**
AKBAŞ S., ERBAY DALKILIÇ T.
JOURNAL OF MEHMET AKIF ERSOY UNIVERSITY ECONOMICS AND ADMINISTRATIVE SCIENCES FACULTY, vol.6, no.3, pp.634-650, 2019 (ESCI)
- III. **PORTFOLIO SELECTION BASED ON A NONLINEAR NEURAL NETWORK: AN APPLICATION ON THE ISTANBUL STOCK EXCHANGE (ISE30)**
Yaman I., ERBAY DALKILIÇ T.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS,

vol.68, no.2, pp.1709-1723, 2019 (ESCI)

- IV. **DECISION MAKING FOR PORTFOLIO SELECTION BY FUZZY MULTI CRITERIA LINEAR PROGRAMMING**
AKBAŞ S., ERBAY DALKILIÇ T.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS,
vol.68, no.2, pp.2238-2257, 2019 (ESCI)
- V. **Multi-Criteria Supplier Selection Based on Fuzzy Pairwise Comparison in AHP**
AKBAŞ S., ERBAY DALKILIÇ T.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.1, pp.296-308, 2018 (ESCI)
- VI. **Analytic Hierarchy Process Using Trapezoidal Fuzzy Number Based Weights for Portfolio Selection.**
Akbaş S., Erbay Dalkılıç T.
International Journal of Engineering Science Invention, vol.6, no.12, pp.26-31, 2017 (Peer-Reviewed Journal)
- VII. **Switching Regression Analyze Based on Fuzzy Clustering in Case that Input Variables Come From Normal Distribution**
ERBAY DALKILIÇ T., Apaydın A.
IOSR Journal of Engineering (IOSRJEN), vol.17, no.10, pp.70-78, 2017 (Peer-Reviewed Journal)
- VIII. **Parameter Estimation for Pareto Distribution and Type-II Fuzzy Logic**
ERBAY DALKILIÇ T., ŞANLI KULA K.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.30, no.1, pp.251-258, 2017 (ESCI)
- IX. **Parameter Estimation Based Type-II Fuzzy Logic and Comparison with Robust Methods**
Kula K. S., ERBAY DALKILIÇ T.
MATHEMATICAL SCIENCES AND APPLICATIONS E-NOTES, vol.4, no.1, pp.118-123, 2016 (Peer-Reviewed Journal)
- X. **Bağımsız Değişkenin Pareto Dağılımına Sahip Olması Durumunda Üyelik Fonksiyonuna Dayalı Parametre Tahmini**
Erbay Dalkılıç T., Karan T.
İnsan&İnsan Bilim Kültür Sanat ve Düşünce Dergisi, no.6, pp.27-37, 2015 (Peer-Reviewed Journal)
- XI. **Parameter Estimation by Fuzzy Adaptive Networks and Comparison with Robust Regression Methods**
ERBAY DALKILIÇ T., ŞANLI KULA K.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.28, no.1, pp.103-113, 2015 (ESCI)
- XII. **Parameter Estimation by ANFIS in Cases Where Outputs are Non-Symmetric Fuzzy Numbers**
ERBAY DALKILIÇ T., Apaydın A.
International Journal of Applied Science and Technology, no.4, pp.92-103, 2014 (Peer-Reviewed Journal)
- XIII. **Path Loss Prediction by Robust Regression Methods**
ERBAY DALKILIÇ T., Şanlı Kula K., Hancı B. Y.
International Journal of Computational Engineering Research, vol.4, no.8, pp.26-35, 2014 (Peer-Reviewed Journal)
- XIV. **Parameter Estimation Based Type-II Fuzzy Logic**
Şanlı Kula K., ERBAY DALKILIÇ T.
TWMS J. Pure Appl. Math, vol.4, no.2, pp.187-193, 2013 (Peer-Reviewed Journal)
- XV. **Numerical Characteristics Of Pareto Distribution Under Uncertainty**
ERBAY DALKILIÇ T., Kesemen T., Tank F.
Journal Of The Turkish Statistical Association, vol.6, no.2, pp.66-72, 2013 (Peer-Reviewed Journal)
- XVI. **A Study on Fuzzy Rubast Regression and Its Application to Insurance**
Şanlı Kula K., ERBAY DALKILIÇ T., Tank F.
MATHEMATİCAL AND COMPUTATİONAL APPLİCATİONS, vol.10, no.3, pp.223-234, 2012 (Peer-Reviewed Journal)
- XVII. **Bağımlı Değişkenin Simetrik Bulanık Sayı Olması Durumunda Parametre Tahmini**
ŞANLI KULA K., ERBAY DALKILIÇ T., APAYDIN A.
İstatistikçiler Dergisi, 2010 (Peer-Reviewed Journal)
- XVIII. **Regresyon Analizinde Girdilerin Bulanık Olması Durumunda Uyarlamalı Ağ Yaklaşımı ile Parametre Tahmini**
ERBAY DALKILIÇ T., Apaydın A.
İstatistik Araştırma Dergisi, vol.03, pp.13-21, 2004 (Peer-Reviewed Journal)
- XIX. **Neural Network Approach to the Problem of Minmad Regression**

Refereed Congress / Symposium Publications in Proceedings

- I. **A STUDY ON PORTFOLIO OPTIMIZATION BASED ON FUZZY INFERENCE SYSTEM**
Yaman I., Erbay Dalkılıç T.
ISPEC INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES-9, Ankara, Turkey, 13 - 15 November 2020, pp.43-48
- II. **IN DIFFERENT NUMBER OF CARDINALITY CONSTRAINED PORTFOLIO OPTIMIZATION BASED ON FUZZY INFERENCE SYSTEM**
Yaman I., Erbay Dalkılıç T.
ISPEC INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES-9, Ankara, Turkey, 13 - 15 November 2020, pp.41-42
- III. **A NOVEL NONLINEAR NEURAL NETWORK BASED ON COEFFICIENT OF VARIATION FOR SOLVING CARDINALITY CONSTRAINT PORTFOLIO OPTIMIZATION PROBLEM**
YAMAN I., ERBAY DALKILIÇ T.
International Days of Statistics and Economics 2019, 5 - 07 September 2019
- IV. **Sector-Wise Analysis of Cardinality Constraint Portfolio Optimization Problem: Selecting ISE-All Shares Based On Coefficient of Variation And Nonlinear Neural Network**
YAMAN I., ERBAY DALKILIÇ T.
International Conference on Data Science, Machine Learning and Statistics - 2019, Van, Turkey, 26 - 29 June 2019, pp.41
- V. **VERİ SETİNDE AYKIRI DEĞER BULUNMASI DURUMUNDA TİP-2 BULANIK KÜMELEMeye DAYALI PARAMETRE TAHMİNİ**
ERBAY DALKILIÇ T., Sağırkaya S., Kula K. S.
19. ULUSLARARASI EYİ SEMPOZYUMU, Antalya, Turkey, 17 - 20 October 2018, pp.933-936
- VI. **NİCELİK KISITLI PORTFÖY OPTİMİZASYONU PROBLEMİNE DOĞRUSAL OLMAYAN SİNİR AĞI YAKLAŞIMI**
YAMAN I., ERBAY DALKILIÇ T.
19. ULUSLARARASI EYİ SEMPOZYUMU, Antalya, Turkey, 17 - 20 October 2018, pp.539-542
- VII. **Portfolio Optimization with Linear Programming Based on Trapezoidal Fuzzy Numbers**
AKBAŞ S., ERBAY DALKILIÇ T.
19. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu 2018, Antalya, Turkey, 17 - 20 October 2018, pp.432-435
- VIII. **Portfolio Selection By Fuzzy Linear Programming**
AKBAŞ S., ERBAY DALKILIÇ T.
5th INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN PURE AND APPLIED MATHEMATICS, Trabzon, Turkey, 23 - 27 July 2018, pp.19
- IX. **Fuzzy Multi Criteria Decision Making Approach for Portfolio Selection**
AKBAŞ S., ERBAY DALKILIÇ T.
10th International Statistics Congress, Ankara, Turkey, 6 - 08 December 2017, pp.45
- X. **Portfolio Selection Based on Nonlinear Neural Network: An Application on the Istanbul Stock Exchange (ISE 30)**
YAMAN I., ERBAY DALKILIÇ T.
10. International Statistics Congress, Ankara, Turkey, 6 - 08 December 2017, pp.97
- XI. **Tedarikçi Seçimi İçin Bulanık Mantığa Dayalı Bir Algoritma**
AKBAŞ S., ERBAY DALKILIÇ T.
XVIII. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, Trabzon, Turkey, 5 - 07 October 2017, pp.345

- XII. **A Non-Linear Neural Network for Portfolio Optimization**
YAMAN I., ERBAY DALKILIÇ T.
10. International Statistics Days Conference, Giresun, Turkey, 7 - 09 October 2016, pp.130-132
- XIII. **Çok Ölçütlü Programlama Problemlerinin Yamuk Bulanık Sayıya Dayalı Çözümü**
AKBAŞ S., ERBAY DALKILIÇ T.
10th International Statistics Days Conference, Giresun, Turkey, 7 - 09 October 2016, pp.121-123
- XIV. **Tip İki Bulanık Kümelemeye Dayalı Parametre Tahmini**
ERBAY DALKILIÇ T., Sağırkaya S.
10. International Statistics Days Conference, Giresun, Turkey, 7 - 09 October 2016, pp.127-129
- XV. **Solving Multi-Objective Programming Problem Based Triangular Fuzzy Number**
ERBAY DALKILIÇ T., Akbaş S.
Uluslararası 9. İstatistik Kongresi, Antalya, Turkey, 29 October - 01 November 2015, pp.269-270
- XVI. **Parameter Estimation by Anfis Based Type-II Fuzzy Logic and Comparison with Robust Regression Methods**
Şanlı Kula K., ERBAY DALKILIÇ T.
3rd International Eurasian Conference on Mathematical Sciences and Applications, Viyana, Austria, 25 - 28 August 2014, pp.519
- XVII. **Use of Gamma Distribution for Daily Rainfall Amount Under Uncertainty**
Kesemen T., ERBAY DALKILIÇ T., Tank F.
International Workshop on Applied Probability, Antalya, Turkey, 16 - 19 June 2014, pp.157
- XVIII. **Type-II fuzzy Logic and Parameter Estimation Where Data Set Have Outliers**
Şanlı Kula K., ERBAY DALKILIÇ T.
9. International Statistics Day Symposium, Antalya, Turkey, 10 - 14 May 2014, pp.108
- XIX. **Fuzzy Programming Approach to Portfolio Selection**
ERBAY DALKILIÇ T., Gül T.
9. International Statistics Day Symposium, Antalya, Turkey, 10 - 14 May 2014, pp.104
- XX. **Solving Fuzzy Multi-Objective Programming Problem Based Fuzzy AHP**
ERBAY DALKILIÇ T., Akbaş S.
9. International Statistics Day Symposium, Antalya, Turkey, 10 - 14 May 2014, pp.113
- XXI. **Uyarlamalı Ağ İle Tip-II Bulanık Mantığa Dayalı Yol Kaybı Tahminleri**
ERBAY DALKILIÇ T., Şanlı Kula K., Hancı B. Y.
8. Uluslararası İstatistik Kongresi, Antalya, Turkey, 27 - 30 October 2013, pp.362-363
- XXII. **Bulanık Regresyonda Gustafson-Kessel Kümeleme Algoritmasına Dayalı Parametre Tahmini**
ERBAY DALKILIÇ T., Göktürk Şahin E.
8. Uluslararası İstatistik Kongresi, Antalya, Turkey, 27 - 30 October 2013, pp.364-365
- XXIII. **Parameter Estimation Based Type-II Fuzzy Logic where the Independent Variables from Pareto Distribution**
ERBAY DALKILIÇ T., Şanlı Kula K., Kula L.
2rd International Eurasian Conference on Mathematical Sciences and Applications, Sarajevo, Bosnia And Herzegovina, 26 - 29 August 2013, pp.455
- XXIV. **Parameter Estimation Based on Type-II Fuzzy Logic**
Şanlı Kula K., ERBAY DALKILIÇ T.
1rd International Eurasian Conference on Mathematical Sciences and Applications, Prishtine, Kosova, 3 - 07 September 2012, pp.348
- XXV. **Membership Fonction For Pareto Distribution Based On Theoretical Basis**
ERBAY DALKILIÇ T., Karan T.
7. Uluslararası İstatistik Kongresi, Antalya, Turkey, 28 April - 01 May 2011, pp.406-407
- XXVI. **An Approach of Adaptive Network Based Fuzzy Inference System to Risk Classification in Life Insurance**
Baser F., Dalkilic T., Kula K. S., Apaydin A.
Annual International Conference of the German-Operations-Research-Society (GOR), Neubiberg, Germany, 1 - 03

September 2010, pp.27-32

- XXVII. **Bağımlı Değişkenin Simetrik Bulanık Sayı Olması Durumunda Parametre Tahmini**
Kula K. S., ERBAY DALKILIÇ T., Apaydın A.
7.İstatistik Günleri Sempozyumu,, Ankara, Turkey, 28 - 30 June 2010, pp.126-127
- XXVIII. **Path Loss Prediction by ANFIS and Compare with Robust Regression Methods**
ERBAY DALKILIÇ T., Kula K. S., Apaydın A., Hancı B. Y.
1st. Fuzzy Systems Symposium, FUZZY SS, Ankara, Turkey, 1 - 02 October 2009, pp.471-478
- XXIX. **Parameter Estimation by ANFIS in Cases Where Outputs are Non-Symmetric Fuzzy Number**
ERBAY DALKILIÇ T., Apaydın A.
14th International Congress on Computational and Applied Mathematics, Antalya, Turkey, 29 September - 02 October 2009, pp.76
- XXX. **An Application of a New Fuzzy Robust Regression Algorithm to Actuarial Science**
Kula K. S., Tank F., ERBAY DALKILIÇ T.
14th International Congress on Computational and Applied Mathematics, Antalya, Turkey, 29 September - 02 October 2009, pp.29
- XXXI. **Pareto Distribution and Numerical Characteristics of This Distribution Under Uncertainty**
ERBAY DALKILIÇ T., Kesemen T., Tank F.
13th International Congress on Insurance: Mathematics and Economics (IME2009), İstanbul, Turkey, 27 - 29 May 2009, pp.88
- XXXII. **A New Neural Networks Algorithm and Its Application in Insurance**
ERBAY DALKILIÇ T., Tank F., Kula K. S.
13th International Congress on Insurance: Mathematics and Economics (IME2009), İstanbul, Turkey, 27 - 29 May 2009, pp.59
- XXXIII. **Bağımlı Değişkende Aykırı Değer Olması Durumunda ANFIS ile Parametre Tahmini**
ERBAY DALKILIÇ T., Kula K. S., Apaydın A.
6. İstatistik Kongresi, Antalya, Turkey, 29 April - 03 May 2009, pp.422-432
- XXXIV. **Sinyal Seviye Ölçümleri için Katı ve Bulanık Kümeleme**
Kula K. S., ERBAY DALKILIÇ T., Apaydın A.
6. İstatistik Kongresi, Antalya, Turkey, 29 April - 03 May 2009, pp.509-515
- XXXV. **Girdi Değişkenlerinin Farklı Dağılımlara Sahip Olması Durumunda Bulanık Uyarlamalı Sinir Ağları ile Parametre Tahmini**
ERBAY DALKILIÇ T., Apaydın A.
IX. Ekonometri ve İstatistik Sempozyumu, İzmir, Turkey, 28 - 30 May 2008, pp.117
- XXXVI. **Bulanık Uyarlamalı Ağ ile Parametre Tahmini ve Robust Regresyon Yöntemleri ile Karşılaştırılması**
ERBAY DALKILIÇ T., Kula K. S., Apaydın A.
5. İstatistik Kongresi, Antalya, Turkey, 20 - 24 May 2007, pp.265-272
- XXXVII. **Bağımsız Değişkenlerin Üstel Dağılıma Sahip Olmaları Durumunda Switching Regresyon Modeline Ait Parametre Tahmini**
ERBAY DALKILIÇ T., Apaydın A.
4. İstatistik Kongresi, Antalya, Turkey, 8 - 12 May 2005, pp.35-40
- XXXVIII. **Bulanık Kümelemeye Dayalı Switching Regresyon Analizi**
ERBAY DALKILIÇ T., Apaydın A.
4. İstatistik Günleri Sempozyumu, İzmir, Turkey, 21 - 22 May 2004, pp.263-269
- XXXIX. **Regresyon Analizinde Girdilerin Bulanık Olması Durumunda Uyarlamalı Ağ Yaklaşımı ile Parametre Tahmini**
ERBAY DALKILIÇ T., Apaydın A.
İstatistik Araştırma Sempozyumu, Ankara, Turkey, 10 - 12 December 2003, pp.5-7
- XL. **Switching Regresyonda Bulanık Sinir Ağları Yaklaşımı ile Parametre Tahmini**
Apaydın A., ERBAY DALKILIÇ T.
3. İstatistik Kongresi, Antalya, Turkey, 16 - 20 April 2003, pp.112-116
- XLI. **Neural Network Approach to Fuzzy Minmad Regression**

- Apaydın A., ERBAY DALKILIÇ T., Aydın Ö.
Bulletin of the International Statistical Institute, Seoul, South Korea, 22 - 29 August 2001, pp.211-212
- XLII. **Hedef programlama olarak modellenmiş minmad regresyon problemine sinir ağları yaklaşımı**
Apaydın A., ERBAY DALKILIÇ T.
2. İstatistik Kongresi, Antalya, Turkey, 2 - 06 May 2001, pp.56-60
- XLIII. **Sezgisel Diskriminant Analizine Bulanık Doğrusal Programlama Yaklaşımı**
Apaydın A., Atalay K. D., ERBAY DALKILIÇ T.
2. İstatistik Kongresi, Antalya, Turkey, 2 - 06 May 2001, pp.61-65
- XLIV. **Ardışık Varyans Çözümlemesi**
Apaydın A., Kula K. S., ERBAY DALKILIÇ T.
5. Ulusal Biyoistatistik Kongresi, Eskişehir, Turkey, 13 - 15 September 2000, pp.96-104
- XLV. **Neural Network Approach to Minmad Regression Problem can be Formulated a Goal Programing Model**
Apaydın A., ERBAY DALKILIÇ T.
Bulletin of the International Statistical Institute (ISI 99), Helsinki, Finland, 10 - 18 August 1999, pp.43-44
- XLVI. **Minmad Regresyon Problemine Sinir Ağları Yaklaşımı**
Apaydın A., ERBAY DALKILIÇ T.
1. İstatistik Kongresi, Antalya, Turkey, 5 May - 09 September 1999, pp.150-153

Activities in Scientific Journals

Mathematical Sciences and Applications E-Notes, Editor, 2011 - Continues

Memberships / Tasks in Scientific Organizations

Bulanık Sistemler Derneği, Member, 2010 - Continues

Türk İstatistik Derneği, Member, 1999 - Continues

Scientific Refereeing

Project Supported by Higher Education Institutions, September 2015

TUBITAK Project, September 2015

TUBITAK Project, September 2015

Journal of Computational and Applied Mathematics , SCI Journal, June 2015

Gazi University Journal of Science, Other Indexed Journal, May 2015

Journal of Computational and Applied Mathematics , SCI Journal, April 2014

İstatistik Araştırma Dergisi, National Scientific Refreed Journal, March 2012

Journal of Computational and Applied Mathematics , SCI Journal, December 2009

Journal of Computational and Applied Mathematics , SCI Journal, June 2008

Metrics

Publication: 75

Citation (WoS): 54

Citation (Scopus): 72

H-Index (WoS): 5

H-Index (Scopus): 6

Congress and Symposium Activities

19th International Symposium on Econometrics, Operations Research and Statistics 2018, Session Moderator, Antalya, Turkey, 2018

10th International Statistics Congress, Session Moderator, Ankara, Turkey, 2017

10. International Statistics Days Conference, Session Moderator, Giresun, Turkey, 2016

9th International Statistics Congress, Session Moderator, Antalya, Turkey, 2015

9th International Statistics Day Symposium, Session Moderator, Antalya, Turkey, 2014

8th International Statistics Congress, Session Moderator, Antalya, Turkey, 2013

8th International Statistics Congress, Session Moderator, Antalya, Turkey, 2013

1st Euroasian Study Group With Industry, Attendee, Trabzon, Turkey, 2010

İkinci Temel Bilimler Yaz Okulu, Attendee, İstanbul, Turkey, 2004

Yöneylem Araştırması Derneği ve YA/EM Doktora Öğrencileri Kolokyumu, Attendee, Ankara, Turkey, 2002

Characterizations, Modelling and Applications Conferance, Attendee, Antalya, Turkey, 2001