Asst. Prof. Mehmet CEVRİ

Personal Information

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International Researcher IDs
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Education Information

Doctorate, Marmara University, Institute For Graduate Studies İn Pure And Applied Sciences, Matematik/Uygulamalı Matematik, Turkey 2003 - 2009

Postgraduate, Marmara University, Institute For Graduate Studies İn Pure And Applied Sciences, Matematik/Uygulamalı Matematik, Turkey 1999 - 2002

Undergraduate, Marmara University, Ataturk Faculty Of Education, Matematik Öğretmenliği, Turkey 1995 - 1999

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Certificate of short courses of attendance, Selçuk Üniversitesi, 2014

Education Management and Planning, Sınav Görevlileri Eğitimi, İstanbul Üniv.Açık ve Uzaktan Eğitim Fakültesi, 2014

Education Management and Planning, AUZEF KOORDİNATÖRLERİ VE BİLİM ALANI UZMANLARI GÖREV BİLGİLENDİRME PROGRAMI KATILIM SERTİFİKASI, İSTANBUL ÜN.AÇIK VE UZAKTAN EĞİTİM FAK., 2014

Education Management and Planning, Etkili Sunum Hazırlama Teknikleri, İstanbul Üniv.Açık ve Uzaktan Eğitim Fakültesi, 2014

Education Management and Planning, Kamera Karşısında Etkili SunumTeknikleri,, İstanbulÜniv.Açık ve Uzaktan Eğitim Fakültesi, 2014

Education Management and Planning, Hedef Kitle Odaklı Editörlük, İstanbul üniv.Açık ve Uzaktan Eğitim Fakültesi, 2014

Education Management and Planning, Soru Hazırlama Teknikleri, İstanbulÜniv.Açık ve Uzaktan Eğitim Fakültesi, 2014

IT, Eğitimde Yeni Yeknolojiler Eğitim Programı, İstanbul Üniv.Hasan Ali Yücel Eğit.Fak.Bilgisayar ve Öğretim Teknolojileri Bölümü, 2012

Dissertations

Doctorate, BİRLEŞİK BAYES MODEL SEÇİMİ VE GÜRÜLTÜLÜ SİNÜZOİDALLERİN KESTİRİMİ, Istanbul University, Institute of Graduate Studies In Sciences, Matematik/Uygulamalı Matematik, 2009

Postgraduate, BAYES PARAMETRE KESTİRİMİ, Marmara University, Fen Bilimleri Enstitüsü, Matematik/Uygulamalı Matematik, 2002

Research Areas

Information Systems, Communication and Control Engineering, Signal Processing, Signal Processing Theory and Methods, Mathematics, General Mathematics, Statistics, Probability Theory, Stochastic Processes, Optimization, Special Functions, Numerical Analysis, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Istanbul University, Faculty of Science, Department of Mathematics, 2011 - Continues

Courses

KİMYACILAR İÇİN MATEMATİK, Undergraduate, 2024 - 2025
Mathematics for Architects, Undergraduate, 2024 - 2025
Kompleks Analiz 1, Undergraduate, 2024 - 2025
MATEMATİĞİN TEMELELRİ VE MANTIK 2, Undergraduate, 2013 - 2014
BİLGİSAYAR PROGRAMLAMA 2, Undergraduate, 2013 - 2014
İNTEGRAL DÖNÜŞÜMLERİ VE UYGULAMALARI, Postgraduate, 2013 - 2014
BİLGİSAYAR PROGRAMLAMA 2, Undergraduate, 2013 - 2014
MATEMATİĞİN TEMELLERİ VE MANTIK 1, Undergraduate, 2013 - 2014
BİLGİSAYARDA MATEMATİK UYGULAMALARI, Undergraduate, 2013 - 2014
BİLGİSAYARDA MATEMATİK UYGULAMALARI, Undergraduate, 2013 - 2014
ANALİZ 3, Undergraduate, 2013 - 2014, 2012 - 2013
MATEMATİK 2, Undergraduate, 2012 - 2013
BAYES MANTIKSAL VERİ ANALİZİ 1, Postgraduate, 2013 - 2014
MATEMATİK 2, Undergraduate, 2012 - 2013, 2011 - 2012
DİFERANSİYEL DENKLEMLER, Undergraduate, 2013 - 2014
ANALİZ 4, Undergraduate, 2012 - 2013
LİNEER CEBİR, Undergraduate, 2013 - 2014
MATEMATİK 2, Undergraduate, 2012 - 2013, 2011 - 2012
İNTEGRAL DÖNÜŞÜMLERİ VE UYGULAMALARI, Postgraduate, 2012 - 2013
MATEMATİĞİN TEMELELRİ VE MANTIK 1, Undergraduate, 2013 - 2014
MATEMATİK 2, Undergraduate, 2011 - 2012
MATEMATİK 1, Undergraduate, 2012 - 2013, 2011 - 2012
MATEMATİK 1, Undergraduate, 2012 - 2013, 2011 - 2012
BİLGİSAYARDA MATEMATİK UYGULAMALARI, Undergraduate, 2012 - 2013
LİNEER CEBİR, Undergraduate, 2012 - 2013
MATEMATİK 1, Undergraduate, 2012 - 2013
DİFERANSİYEL DENKLEMLER, Undergraduate, 2012 - 2013
MATEMATİK 1, Undergraduate, 2011 - 2012
ANALİTİK GEOMETRİ, Undergraduate, 2011 - 2012
MATEMATİK 1, Undergraduate, 2011 - 2012

Advising Theses

CEVRİ M., Benzerlik Ölçüleri ve Kümeleme Analizi, Postgraduate, F.Fırat(Student), 2015
CEVRİ M., Bayes Mantıksal Çıkarımı Çerçevesinde Maksimum Entropi Olasılıklarının Analizi, Postgraduate, E.Serhan(Student), 2015

Jury Memberships

Post Graduate, Post Graduate, Marmara Üniversitesi, September, 2024
Doctorate, Doktora Tez Savunma, Nisan 2013, Mühendislik fakültesi, April, 2013

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Prediction of the Probabilities of the Transmission of Genetic Traits within Bayesian Logical Inference**
Cevri M., Ustundag D.
ACTA PHYSICA POLONICA A, vol.130, no.1, pp.45-50, 2016 (SCI-Expanded)

II. **Performance Evaluation of Gibbs Sampling for Bayesian Extracting Sinusoids**
Cevri M., Ustundag D.
COMPUTATIONAL PROBLEMS IN ENGINEERING, vol.307, pp.13-31, 2014 (SCI-Expanded)

III. **A karyomorphological study of the genus Allium (sect. Melanocrommyum) from Turkey**
Genc I., Ozhatay N., Cevri M.
CARYOLOGIA, vol.66, no.1, pp.31-40, 2013 (SCI-Expanded)

IV. **Bayesian recovery of sinusoids from noisy data with parallel tempering**
Cevri M., ÜSTÜNDAĞ D.
IET SIGNAL PROCESSING, vol.6, no.7, pp.673-683, 2012 (SCI-Expanded)

Articles Published in Other Journals

I. **Mathematical Analysis of the Clustering of Ostracoda Concerning Their Habitat Preferences**
Cevri M.
WSEAS TRANSACTIONS ON SYSTEMS, no.23, pp.314-321, 2024 (Scopus)

II. **Performance Analysis of Gibbs Sampling for Bayesian Extracting Sinusoids**
Cevri M., Üstündag D.
INTERNATIONAL JOURNAL OF MATHEMATICAL MODELS AND METHODS IN APPLIED SCIENCES, no.15, pp.148-154, 2021 (Peer-Reviewed Journal)

III. **Comparison of Bayesian Methods for Recovering Sinusoids**
Üstündağ D., Cevri M.
INTERNATIONAL JOURNAL OF COMPUTERS AND COMMUNICATIONS, no.15, pp.36-43, 2021 (Peer-Reviewed Journal)

IV. **Comparing Bayesian Methods for Estimating Parameters of Noisy Sinusoids**
Üstündağ D., CEVRİ M.
international journal of applied mathematics and informatics, no.4, pp.123-134, 2013 (Peer-Reviewed Journal)

V. **Estimating Parameters of Sinusoids from Noisy Data Using Maximum Likelihood together with Monte-Carlo Simulations**
Ustundag D., Cevri M.
Marmara Üniversitesi Fen Bilimleri Enstitüsü Dergisi, no.20, pp.13-24, 2008 (Peer-Reviewed Journal)

VI. **En çok Olabilirliğin Monte-Carlo Simülasyonlarıyla Birlikte Kullanılmasıyla Gürültülü Verilerden Sinüzoitlerin Parametrelerinin Kestirimi**
Ustundag D., CEVRİ M.
Marmara Üniv.Fen Bilimleri Enstitüsü Dergisi, no.20, pp.13-24, 2008 (Peer-Reviewed Journal)

VII. **Estimating Parameters of Sinusoids from Noisy Data Using Bayesian Inference with Simulated Annealing**
Ustundag D., Cevri M.
WSEAS TRANSACTIONS ON CIRCUITS AND SYSTEMS, no.7, pp.432-441, 2008 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Performance Evaluation of Gibbs Sampling for Bayesian Extracting Sinusoids**
CEVRİ M., Ustundag D.
in: Computational Problems İn Engineering, Mastorakis N., Mladenov, V., Editor, Springer Verlag, Bern, pp.13-31, 2014

II. **Bayesian Recovery of Sinusoids with Simulated Annealing**
Ustundag D., CEVRİ M.
in: Simulated Annealing - Advances, Applications and Hybridizations, Guerra Tsuzuki M. S. , Editor, Intech, São Paulo, pp.67-90, 2012

III. **Sinyal İşlemede Bayes Tabanlı Yöntemler**
CEVRİ M.
Titiz Yayınevi, İstanbul, 2011

Refereed Congress / Symposium Publications in Proceedings

I. **K-Means Clustering of Teucrium (Lamiaceae) species based on Principal Component Analysis**
Cevri M.
3rd International Symposium on Current Developments in Fundamental and Applied Mathematics Sciences, İstanbul, Turkey, 2 - 05 September 2024, pp.105

II. **Mathematical Analysis of the Clustering of Ostracoda Concerning Their Habitat Preferences**
Cevri M.
5th International Conference on Mathematics and Computers in Science and Engineering , Heraklion, Greece, 6 - 08 June 2024

III. **Clustering of Teucrium species regarding micromorphological characters**
Cevri M., Üstündağ D.
4th INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING, Antalya, Turkey, 4 - 08 October 2017, pp.147

IV. **A Hybrid Algorithm for Solving Least Squares Optimization**
Üstündağ D., Cevri M.
3.rd International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 19 - 24 October 2016, pp.189

V. **Analysis of positron lifetime spectra using Bayesian inference**
Ustundag D., CEVRİ M., Yahşi U.
2nd IET International Conference on Intelligent Signal Processing 2015 (ISP), London, United Kingdom, 1 - 02 December 2015, pp.1-6

VI. **Markow Zincirleri Yöntemiyle İzmir Ve Van İllerinin Deprem Olasılıklarının Karşılaştırılması**
EKİNCİ D., ÖNCEL A. O., CEVRİ M.
Ulusal Jeomorfoloji Sempozyumu 2015 (UJES 2015), Samsun, Turkey, 15 - 17 October 2015, vol.1, pp.135-148

VII. **Bayesian Predictions of Genetic Traits**
CEVRİ M., Ustundag D.
2.nd ICCESEN, Antalya, Turkey, 14 - 19 October 2015, pp.450

VIII. **Analysis of positron lifetime spectra using Bayesian inference**
ÜSTÜNDAĞ D., CEVRİ M., YAHŞİ U.
2nd IET International Conference on Intelligent Signal Processing 2015, ISP 2015, London, England, 1 - 02 December 2015, vol.2015

IX. **Bayesian Analysis of Positron Annihilation Lifetime Spectra**
Ustundag D., CEVRİ M., Yahşi U.
International Statistic Days 2014, Antalya, Turkey, 10 - 14 May 2014, pp.73

X. **Pedigree Analysis with Bayesian Logical Inference**

CEVRİ M., Ustundag D., Gökdemir Y., Karadağ B.

International Statistics Days 2014(ISDS 2014), Antalya, Turkey, 10 - 14 May 2014, pp.64

XI. **Comparison of Bayesian Methods for Recovering Sinusoids**

Üstündağ D., CEVRİ M.

2013 International Conference on Systems, Control, Signal Processing and Informatics(SCI'13), Greece, 1 - 04 July 2013, pp.121-128

XII. **Performance Analysis of Gibbs Sampling for Bayesian Extracting Sinusoids**

CEVRİ M., Ustundağ D.

2013 International Conference on Systems, Control, Signal Processing and Informatics(SCSI'13), Greece, 1 - 04 July 2013, pp.128-134

XIII. **A Comparison of Parameter Estimation Methods Based on Bayesian Inference**

Ustundağ D., CEVRİ M.

International Conference on Applied Analysis and Algebra, Turkey, 1 - 04 July 2011, pp.1

XIV. **Bayesian Estimation of Sinusoidal Signals via Parallel Tempering**

Cevri M., ÜSTÜNDAĞ D.

8th WSEAS Int Conference on Signal Processing/3rd WSEAS Int Symposium on Wavelets Theory and Applicat in Appl Math, Signal Proc and Modern Sci, İstanbul, Turkey, 30 May - 01 June 2009, pp.67-72

XV. **Bayesian Parameter Estimation of Sinusoids with Simulated Annealing**

ÜSTÜNDAĞ D., Cevri M.

8th WSEAS International Conference on Signal Processing, Conputational Geometry and Artificial Vision, Rhodes, Greece, 20 - 22 August 2008, pp.106-112

Supported Projects

CEVRİ M., Project Supported by Higher Education Institutions, Genetik Karakterlerin Bayes'li Tahminleri, 2015 - 2015
CEVRİ M., Project Supported by Higher Education Institutions, BAYES MANTIKSAL ÇIKARIM YÖNTEMİ İLE SOYAĞACI ANALİZİ, 2012 - 2014
CEVRİ M., Project Supported by Higher Education Institutions, Sinusoidlerin Bayesli Çıkarımında Gibbs Örneklemesinin Performans Analizi, 2013 - 2013

Scientific Refereeing

Journal of scientific reports-A (Online), Other Indexed Journal, July 2024
Journal of Applied Mathematics, Other Indexed Journal, June 2016
IET Signal Processing, SCI Journal, May 2016
IET Signal Processing, SCI Journal, February 2016
IET Signal Processing, SCI Journal, September 2015
IET Signal Processing, SCI Journal, October 2014
IET Signal Processing, SCI Journal, April 2014
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES , SCI Journal, March 2014
IET Signal Processing, SCI Journal, December 2013
IET Signal Processing, SCI Journal, June 2013
IET SIGNAL PROCESSING, SCI Journal, April 2013
IET Signal Processing, SCI Journal, December 2012
IET Signal Processing, SCI Journal, August 2012
IET Signal Processing, SCI Journal, May 2012

Scientific Research / Working Group Memberships

Metrics

Publication: 29
Citation (WoS): 26
Citation (Scopus): 24
H-Index (WoS): 2
H-Index (Scopus): 2

Non Academic Experience

MEB