

Assoc. Prof. CEM AĞRI DÖNMEZ

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: E-4859-2019

ScopusID: 57195606720

Yoksis Researcher ID: 207668

Biography

Cem is from Istanbul, Turkey. He holds degrees from Turkish University BSc in Physics and from UK Cambridge Anglia Ruskin University a Masters and PhD on Econophysics. He is the leading expert in Quantitative approach analyser impact measurement and optimization. He has been leading teams that build such tools as well as perform exploratory research on Quantitative Econophysical burning questions. He has strong analysing skills also speaks on this topic extensively at statistical as well as conferences and seminar. Additionally, for the past 2 years, he has worked in international student recruitment, promoting Turkish Higher Education and Universities.

Specialities: Fintech and Blockchain solutions, Stock Mechanics; Econophysics and stock market approaches, Financial Statistic analyser, Quantitative and Financial Market analyser, Financial Adviser and clustering strategies.

Education Information

Doctorate, Anglia Ruskin University, Science And Technology, United Kingdom 2009 - 2013

Undergraduate, Canakkale Onsekiz Mart University, Fen Ve Edebiyat Fakültesi, Fizik Bölümü, Turkey 2003 - 2007

Research Areas

Engineering and Technology

Academic Titles / Tasks

Associate Professor, Marmara University, Faculty of Engineering, Industrial Engineering, 2014 - Continues

Academic and Administrative Experience

Marmara University, Faculty of Engineering, Industrial Engineering, 2014 - Continues

Marmara University, İnovasyon Ve Teknoloji Transfer Uygulama Ve Araştırma Merkezi, 2016 - 2018

Advising Theses

Dönmez C. Ç., Generalized Machine Learning Credit Scoring Algorithms for Crowdfunding of SMEs, Doctorate, D.Şen(Student), Continues

Dönmez C. Ç., SOFTWARE DEVELOPMENT METHODOLOGY SELECTION WITH RATIONAL MODEL APPROACH AND A NEW SYSTEM DESIGN ON DATABASE: BLOCKCHAIN APPLICATION, Postgraduate, K.ÖNCÜ(Student), Continues

DÖNMEZ C. Ç., Development of heuristic optimization methods and experimental simulation design for the components and resources of healthcare, Doctorate, A.ATALAN(Student), 2019

Dönmez C. Ç., A SYSTEMATIC PERSPECTIVE ON SUPPLY CHAIN IMPROVEMENT BY USING LEAN SIX SIGMA AND AN IMPLEMENTATION AT A FERTILIZER COMPANY, Postgraduate, B.YAKAR(Student), 2019

Dönmez C. Ç., Sennaroğlu B., Siting of a central healthcare waste incinerator using GIS-based multi-criteria decision analysis, Postgraduate, H.ALI(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Estimation of Postal Service Delivery Time and Energy Cost with E-Scooter by Machine Learning Algorithms**
İnaç H., Ayözen Y. E., Atalan A., DÖNMEZ C. Ç.
Applied Sciences (Switzerland), vol.12, no.23, 2022 (SCI-Expanded)
- II. **E-Scooter Micro-Mobility Application for Postal Service: The Case of Turkey for Energy, Environment, and Economy Perspectives**
Ayozen Y. E., Inac H., Atalan A., DÖNMEZ C. Ç.
ENERGIES, vol.15, no.20, 2022 (SCI-Expanded)
- III. **An Investigation of Fiat Characterization and Evolutionary Dynamics of the Cryptocurrency Market**
DÖNMEZ C. Ç., Sen D., Dereli A. F., Horasan M. B., Yildiz C., KAPLAN DÖNMEZ N. F.
SAGE OPEN, vol.11, no.1, 2021 (SSCI)
- IV. **A Hybrid Bi-level Metaheuristic for Credit Scoring**
Sen D., DÖNMEZ C. Ç., Yildirim U. M.
INFORMATION SYSTEMS FRONTIERS, vol.22, no.5, pp.1009-1019, 2020 (SCI-Expanded)
- V. **Desirability Optimization Models to Create the Global Healthcare Competitiveness Index**
Donmez N. F. K., Atalan A., DÖNMEZ C. Ç.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.45, no.8, pp.7065-7076, 2020 (SCI-Expanded)
- VI. **Employment of Emergency Advanced Nurses of Turkey: A Discrete-Event Simulation Application**
Atalan A., DÖNMEZ C. Ç.
PROCESSES, vol.7, no.1, 2019 (SCI-Expanded)
- VII. **Siting of a central healthcare waste incinerator using GIS-based Multi Criteria Decision Analysis**
Hariz H. A., DÖNMEZ C. Ç., SENNAROĞLU B.
JOURNAL OF CLEANER PRODUCTION, vol.166, pp.1031-1042, 2017 (SCI-Expanded)
- VIII. **Complexity of major UK companies between 2006 and 2010: Hierarchical structure method approach**
Ulusoy T., KESKİN M., Shirvani A., Deviren B., Kantar E., Doenmez C. Ç.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.391, no.21, pp.5121-5131, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **DEVELOPING OPTIMIZATION MODELS TO EVALUATE HEALTHCARE SYSTEMS**
Atalan A., Donmez N. F. K., DÖNMEZ C. Ç.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.38, no.2, pp.853-873, 2020 (ESCI)
- II. **AN ANALYSIS OF EVOLUTIONARY CRYPTOCURRENCY MARKETDYNAMICS**
DÖNMEZ C. Ç., DERELİ A. F., HORASAN M. B., YILDIZ Ç.
Elektronik Sosyal Bilimler Dergisi, vol.19, no.74, pp.611-629, 2020 (Peer-Reviewed Journal)
- III. **Optimizing experimental simulation design for the emergency departments**
Atalan A., DÖNMEZ C. Ç.
BRAZILIAN JOURNAL OF OPERATIONS & PRODUCTION MANAGEMENT, vol.17, no.4, 2020 (ESCI)
- IV. **TEDARİK ZİNCİRİ İYİLEŞTİRMESİNE YALIN ALTI SİGMA KULLANIMI İLE SİSTEMATİK BİR YAKLAŞIM VE BİR GÜBRE ŞİRKETİNDE UYGULANMASI**
DÖNMEZ C. Ç., YAKAR B.
Elektronik Sosyal Bilimler Dergisi, vol.18, no.71, pp.1377-1396, 2019 (Peer-Reviewed Journal)
- V. **Yüksek-Eğitimli Uzman Hemşire İstihdamı ile Acil Servis Kalitesinin Yükseltilmesi için Simülasyon Uygulaması: Türkiye Sağlık Sistemi**
ATALAN A., DÖNMEZ C. Ç., AYAZ ATALAN Y.
Marmara Fen Bilimleri Dergisi, vol.30, no.4, 2018 (Peer-Reviewed Journal)
- VI. **Evaluation of Value Capture Strategies for Public Private Partnership Projects in Railway System Projects to be Built in Istanbul City.**
İNANÇ H., DÖNMEZ C. Ç.
Marmara Fen Bilimleri Dergisi, vol.30, no.3, pp.286-298, 2018 (Peer-Reviewed Journal)
- VII. **EKONOFİZİK YAKLAŞIMI İLE KENTSEL REKABETÇİLİK İNDEKSİNİN OLUŞTURULMASI**
DÖNMEZ C. Ç., ATALAN A.
Elektronik Sosyal Bilimler Dergisi, vol.17, no.66, pp.206-217, 2018 (Peer-Reviewed Journal)
- VIII. **ENDÜSTRİ SEKTÖRLERİNİN EKONOFİZİK AÇIDAN KÜMELENME ANALİZİ: TÜRKİYE UYGULAMASI**
DÖNMEZ C. Ç., HOPALI E., Hamal S.
Elektronik Sosyal Bilimler Dergisi, vol.16, no.63, pp.1081-1091, 2017 (Peer-Reviewed Journal)
- IX. **ENDÜSTRİYEL KÜMELENME UYGULAMALARININ DÜNYA GENELİNDE İNCELENMESİ: Tarım, Sanayi ve Hizmet Sektörleri Açısından Bir Değerlendirme**
ERASLAN İ., DÖNMEZ C. Ç.
Elektronik Sosyal Bilimler Dergisi, vol.16, no.62, pp.719-755, 2017 (Peer-Reviewed Journal)
- X. **ENDÜSTRİYEL KÜMELENME UYGULAMALARININ TÜRKİYE GENELİNDE İNCELENMESİ: Sanayi, Tarım ve Hizmet Sektörleri Açısından Bir Değerlendirme**
ERASLAN İ., DÖNMEZ C. Ç.
Elektronik Sosyal Bilimler Dergisi, vol.16, no.61, pp.325, 2017 (Peer-Reviewed Journal)
- XI. **FINANCIAL MARKET FLUCTUATIONS IN ECONOPHYSICS: FTSE, DJIA and BIST-100**
DÖNMEZ C. Ç., ULUSOY T.
International Journal of Business and Management Study, vol.2, no.2, pp.385-391, 2015 (Peer-Reviewed Journal)
- XII. **Kümelenme Yapılanmalarının Önemi Makro Mezo ve Mikro Düzeyde Bir Değerlendirme**
ERASLAN İ., DÖNMEZ C. Ç.
Bartın Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi, vol.6, no.11, pp.67-106, 2015 (Peer-Reviewed Journal)
- XIII. **KÜMELENME YAKLAŞIMININ KAVRAMSAL TANIMI: SİSTEM VE SİSTEMLERİN İŞLEYİŞİ AÇISINDAN BİR DEĞERLENDİRME**
ERASLAN İ., DÖNMEZ C. Ç., YÜKSEL A.
Bingöl Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, vol.5, no.9, pp.1-52, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

I. FİNANS SEKTÖRÜ ve EKONOMİK GELİŞME: Ekonofizik Açıdan Rekabetçilik Analizi

DÖNMEZ C. Ç.

Ekin Yayınevi, Bursa, 2017

Refereed Congress / Symposium Publications in Proceedings

I. BLOCKCHAIN ENTEGRASYONU İLE GELECEKTEKİ DİJİTAL TEDARİK ZİNCİRİ YÖNETİMİNE GİRİŞ

DÖNMEZ C. Ç., Ünlü İ.

INTERNATIONAL CONGRESS OF MANAGEMENT ECONOMY AND POLICY, İstanbul, Turkey, 20 - 21 April 2019, pp.1-119

II. TURİZM ENDÜSTRİSİNE ALTERNATİF BİR FIRSAT YAKLAŞIMI OLARAK BLOCKCHAIN TEKNOLOJİSİNİN KULLANILMASI

ULUSOY T., DÖNMEZ C. Ç.

4th International Turkic Tourism Symposium, Kastamonu, Turkey, 19 - 21 July 2018

III. Kinetic Theory and Boltzmann Equation of Pricing Cryptocurrencies Approach

DÖNMEZ C. Ç., ULUSOY T.

International Conference on Multidisciplinary Sciences, İstanbul, Turkey, 15 - 16 December 2018

IV. Desirability Index with Sector Analysis for Investment Decisions by Bernoulli Theorem: A Case of FTSE-100

DÖNMEZ C. Ç., ŞEN D.

International Conference on Computational Materials Science and Thermodynamic Systems (CMST 2018), Cambridge, Canada, 22 - 23 March 2018, vol.1, pp.151-160

V. Blockchain: Dünü - Bugünü - Yarını

DÖNMEZ C. Ç.

Blockchain Summit İstanbul, Turkey, 23 - 24 November 2017

VI. Blockchain Introduction: Yesterday - Today and Tomorrow

DÖNMEZ C. Ç.

IDCFinancial Services Conference 2017, İstanbul, Turkey, 21 - 22 November 2017

VII. The Incoming Paradigm Shift with Globalization and Clustering Approach

Eraslan I. H., DÖNMEZ C. Ç., Akgul M. K.

12th International Strategic Management Conference (ISMC), Antalya, Turkey, 28 - 30 October 2016, vol.235, pp.101-109

VIII. Financial Market Fluctuations in Econophysics: FTSE, DJIA BIST-100

DÖNMEZ C. Ç., ULUSOY T.

Third international Conference on Advances in Computing, Communication and Information Technology- CCIT, Birmingham, United Kingdom, 26 - 27 May 2015, pp.104-110

IX. Complexity of Predictive Market Fluctuations in Econophysics FTSE DJIA BIST 100

DÖNMEZ C. Ç., ULUSOY T.

International Conference on Value Chain Sustainability, İstanbul, Turkey, 12 - 13 March 2015, pp.106-125

X. IN THE DESIGN PROCESS DESIGN FOR RE MANUFACTURE DfRem

DÖNMEZ C. Ç., Rosalba P.

International Conference on Value Chain Sustainability, İstanbul, Turkey, 12 - 13 March 2015, pp.126-140

XI. Quantum formulations of Predictive Stock Market Fluctuations in Econophysics The Case of FTSE DJIA ISE

ULUSOY T., Shirvani A., DÖNMEZ C. Ç.

International Journal of Arts Sciences, Cambridge, Canada, 27 - 31 May 2012

XII. FTSE and DJIA index comparisons using the factors of index temperature and Bose Einstein Entropy

ULUSOY T., DÖNMEZ C. Ç.

Annual Conference on Innovations in Business Management, Londrina, Brazil, 26 - 27 January 2011, vol.1, pp.10-21

- XIII. İstatistik Fizik Mekanikleri Kullanılarak İMKB de Fiyat Oluşumları Ekonofizik Uygulaması
ULUSOY T., DÖNMEZ C. Ç.
12.ULUSLARARASI EKONOMETRİ, YONEYLEM ARASTIRMASIVE İSTATİSTİK SEMPOZYUMU, 26 - 29 May 2011

Supported Projects

Dönmez C. Ç., Atalan A., Project Supported by Higher Education Institutions, Mekanizma Tasarım Yaklaşımı Kullanılarak Sağlık Sistemleri Bileşenleri Arasındaki Finansal İlişkiler için Sezgisel Yöntemlerin Geliştirilmesi, 2018 - 2020
Dönmez C. Ç., Eraslan İ. H., Municipality, İSTANBUL İL BÜTÜNÜ İÇİN KENTSEL DÖNÜŞÜM PERSPEKTİFİYLE HAZIRLANACAK PLANLARA ALTLIK TEŞKİL EDECEK ANALİTİK VERİ EKONOMİK YAPI ANALİZLERİNİN YAPILMASINA DAİR HİZMET HAZIRLAMA PROJESİ, 2016 - 2016
Dönmez C. Ç., Eraslan İ. H., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, DAP Bölgesi Büyükbaş ve Küçükbaş Hayvancılık Yatırım Havzaları Master Planı, 2016 - 2016
Dönmez C. Ç., Eraslan İ. H., Chamber / Union / Professional Association, Bingöl Sanayi Sektörü Mevcut Durum Analizi ve Stratejik Vizyonu, 2015 - 2016
Dönmez C. Ç., Eraslan İ. H., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, KOBİ LERİN VERİMLİLİK SORUNLARININ BELİRLENMESİ VE ÇÖZÜM ÖNERİLERİNİN GELİŞTİRİLMESİ PROJESİ, 2015 - 2015

Scientific Refereeing

JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCI-E, June 2018
JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCI-E, June 2017
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, SCI Journal, December 2015

Metrics

Publication: 35
Citation (WoS): 82
Citation (Scopus): 86
H-Index (WoS): 4
H-Index (Scopus): 3

Non Academic Experience

Turkish Universities Admissions Service AR-GE EĞİTİM DANIŞMANLIK ve DENETİM HİZMETLERİ LTD. ŞTİ.
Anglia Ruskin University
SI-UK Education Council, Türkiye UK
Educalliance, London, UK