

Prof. Şadi Evren ŞEKER



Personal Information

Mobile Phone: [+90 531 605 6726](tel:+905316056726)
Office Phone: [+90 531 605 6726](tel:+905316056726)
Fax Phone: [+90 531 605 6726](tel:+905316056726)
Email: evrenseker@istanbul.edu.tr
Web: <http://www.sadievrenseker.com>



International Researcher IDs

ScholarID: IMi_mikAAAAJ
ORCID: 0000-0002-7323-3695
Publons / Web Of Science ResearcherID: HLW-1386-2023
ScopusID: 55062654200
Yoksis Researcher ID: 48061

Education Information

Post Doctorate, University of Texas at Dallas, Erik Jonsson School of Engineering and Computer Science, Computer Science, United States Of America 2012 - 2014
Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Bilgisayar Bilimleri ve Mühendisliği, Turkey 2005 - 2010
Postgraduate, Istanbul Technical University, Sosyal Bilimler Enstitüsü, Science Technology and Society, Turkey 2002 - 2004
Postgraduate, Yeditepe University, Institute Of Science, Computer Science and Engineering, Turkey 2000 - 2003
Undergraduate, Yeditepe University, Faculty Of Engineering-Architecture, Department Of Computer Engineering, Turkey 1996 - 2000

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Basti Türkçe metinlerde olay sıralama, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Bilgisayar Bilimleri Mühendisliği, 2010

Research Areas

Science, Technology and Society, Econometrics, Money-Banking, Marketing, Management and Organization, Money, Capital and Financial Institutions, Management of Enterprises, Entrepreneurship and Innovation Management, Informatics, Cognitive Science, Software Management, Information Technologies, algorithms, Computer Networks, Theoretical Computer Science, Database and Data Structures, Artificial Intelligence, Computer Learning and Pattern

Recognition, Software, Automatic Programming, Programming Languages, Software Engineering, Computer Science, Statistics, Optimization

Academic Titles / Tasks

Professor, Istanbul University, Bilgisayar Ve Bilişim Teknolojileri Fakültesi, Bilgisayar Mühendisliği Bölümü , 2023 - Continues

Professor, Antalya Bilim University, Faculty Of Engineering, Department Of Computer Engineering, 2019 - 2023

Professor, Antalya Bilim University, Faculty Of Engineering, Department Of Computer Engineering, 2020 - 2021

Associate Professor, Istanbul Sehir University, Faculty Of Business Administration And Management Sciences, Department Of Business, 2016 - 2019

Associate Professor, Smith College, Computer Science Department , Computer Science Departman, 2016 - 2017

Associate Professor, Istanbul Medeniyet University, SİYASAL BİLGİLER FAKÜLTESİ, İŞLETME BÖLÜMÜ, 2015 - 2016

Associate Professor, Istanbul Medeniyet University, SİYASAL BİLGİLER FAKÜLTESİ, İŞLETME BÖLÜMÜ, 2014 - 2015

Assistant Professor, University of Texas at Dallas, Computer Science Department , Computer Science Department , 2012 - 2015

Assistant Professor, Istanbul Medeniyet University, Siyasal Bilgiler Fakültesi, İşletme Bölümü, 2011 - 2015

Assistant Professor, American University of Middle East, Computer Science Department , Computer Science Department , 2014 - 2014

Assistant Professor, Istanbul University, Bilgisayar ve Bilişim Teknolojileri Fakültesi, Bilgisayar Mühendisliği Bölümü , 2011 - 2014

Assistant Professor, War Academy (Land, Naval, Air), Command Of Air War College, Mühendislik Fakültesi, 2011 - 2012

Assistant Professor, Istanbul Okan University, Faculty Of Engineering-Architecture, 2010 - 2011

Lecturer, Yeditepe University, Faculty Of Arts And Sciences, 2008 - 2009

Visiting Lecturer, Istanbul Commerce University, Faculty Of Engineering, Department Of Computer Engineering, 2007 - 2009

Lecturer, Istanbul Okan University, School Of Applied Sciences, 2007 - 2008

Research Assistant, Yeditepe University, Faculty Of Engineering-Architecture, Department Of Computer Engineering, 2000 - 2004

Academic and Administrative Experience

Dean, Istanbul University, Bilgisayar ve Bilişim Teknolojileri Fakültesi, 2023 - Continues

Head of Department, 2015 - 2016

Director of the Center, 2014 - 2015

Head of Department, Istanbul Medeniyet University, 2014 - 2015

Head of Department, Istanbul Medeniyet University, 2013 - 2015

Courses

Introduction to Computer Engineering, Undergraduate, 2023 - 2024

Jury Memberships

Academic Staff Examination, Academic Staff Examination, Istanbul University, December, 2023

Associate Professor Exam, Associate Professor Exam, Istanbul University, November, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Ataturk University, November, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Mugla Sitki Kocman University, November, 2023
Doctoral Examination, Doctoral Examination, İstanbul University-Cerrahpaşa, November, 2023
Doctoral Examination, Doctoral Examination, İstanbul Sabahattin Zaim University, October, 2023
Associate Professor Exam, Associate Professor Exam, İstanbul Üniversitesi, May, 2023
Associate Professor Exam, Associate Professor Exam, Antalya Bilim University, February, 2023
Associate Professor Exam, Associate Professor Exam, İstanbul University, February, 2023
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, İstanbul Üniversitesi, February, 2023
Academic Staff Examination, Academic Staff Examination, İstanbul Üniversitesi, February, 2023
Associate Professor Exam, Associate Professor Exam, Antalya Bilim University, May, 2022
Associate Professor Exam, Associate Professor Exam, Antalya Bilim University, September, 2021
Associate Professor Exam, Associate Professor Exam, Antalya Bilim University, March, 2021
Associate Professor Exam, Associate Professor Exam, Antalya Bilim University, January, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Product Recommendation System With Machine Learning Algorithms for SME Banking**
Met I., Erkok A., Seker Ş. E., Ertürk M. A., Ulug B., Ortale R.
INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS, vol.2024, no.1, pp.1-21, 2024 (SCI-Expanded)
- II. **Performance, Efficiency, and Target Setting for Bank Branches: Time Series With Automated Machine Learning**
Met I., Erkok A., Seker Ş. E.
IEEE Access, vol.11, pp.1000-1010, 2023 (SCI-Expanded)
- III. **Performance prediction of roadheaders using ensemble machine learning techniques**
Seker Ş. E., Ocak I.
Neural Computing and Applications, vol.31, no.4, pp.1103-1116, 2019 (SCI-Expanded)
- IV. **Performance prediction of impact hammer using ensemble machine learning techniques**
Ocak I., Seker Ş. E., Rostami J.
Tunnelling and Underground Space Technology, vol.80, pp.269-276, 2018 (SCI-Expanded)
- V. **Online anomaly detection for multi-source VMware using a distributed streaming framework**
Solaimani M., Iftekhar M., Khan L., Thuraisingham B., Ingram J., Seker Ş. E.
Software - Practice and Experience, vol.46, no.11, pp.1479-1497, 2016 (SCI-Expanded)
- VI. **GISQAF: MapReduce guided spatial query processing and analytics system**
Al-Naami K. M., Seker Ş. E., Khan L.
Software - Practice and Experience, vol.46, no.10, pp.1329-1349, 2016 (SCI-Expanded)
- VII. **Recurring and novel class detection using class-based ensemble for evolving data stream**
Al-Khateeb T., Masud M. M., Al-Naami K. M., Seker Ş. E., Mustafa A. M., Khan L., Trabelsi Z., Aggarwal C., Han J.
IEEE Transactions on Knowledge and Data Engineering, vol.28, no.10, pp.2752-2764, 2016 (SCI-Expanded)
- VIII. **Temporal logic extension for self-referring, nonexistence, multiple recurrence, and anterior past events**
Seker Ş. E.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.23, no.1, pp.212-230, 2015 (SCI-Expanded)
- IX. **Computerized argument delphi technique**
Seker Ş. E.
IEEE Access, vol.3, pp.368-380, 2015 (SCI-Expanded)
- X. **Calculation of surface settlements caused by EPBM tunneling using artificial neural network, SVM, and Gaussian processes**
Ocak I., Seker Ş. E.

ENVIRONMENTAL EARTH SCIENCES, vol.70, no.3, pp.1263-1276, 2013 (SCI-Expanded)

XI. Estimation of Elastic Modulus of Intact Rocks by Artificial Neural Network

Ocak I., Seker Ş. E.

ROCK MECHANICS AND ROCK ENGINEERING, vol.45, no.6, pp.1047-1054, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Organizasyonlarda Çeviklik**
Candan A., ÇANKIR B., ŞEKER Ş. E.
Yönetim Bilişim Sistemleri Ansiklopedisi, vol.4, no.3, pp.2-9, 2017 (Non Peer-Reviewed Journal)
- II. **Macroeconomic ICT Facts and Mobile Telecom Operators via Social Networks and Web Pages**
ŞEKER Ş. E., Kulaklı A.
Journal of Economics, Business and Management, vol.4, no.2, pp.99-103, 2016 (Peer-Reviewed Journal)
- III. **Java implementation of a cloud-based SIM secure element NFC payment protocol**
Pourghomi P., Seker Ş. E., Ghinea G., Masri W.
International Journal of Security and its Applications, vol.10, no.12, pp.261-282, 2016 (Scopus)
- IV. **Forecasting Turkish Informatics Valley via Computerised Argument Delphi Technique**
Emen E., Salman E., Sekendur G., ŞEKER Ş. E.
Alphanumeric Journal, vol.3, no.2, 2015 (Peer-Reviewed Journal)
- V. **The Impact Of Information Technologies And Computer Usage On The Student Success In Accounting Courses**
Kızıl C., Şeker Ş. E., Bozan D.
Alphanumeric, vol.2, no.2, pp.78-97, 2015 (Peer-Reviewed Journal)
- VI. **RSA ŞİFRELME SİSTEMİNE KARŞI YENİ BİR ÇARPANLARA AYIRMA SALDIRISI**
Mert C., Şeker Ş. E.
FBEDERGI, vol.7, no.1, pp.105-131, 2014 (Non Peer-Reviewed Journal)
- VII. **Information and Communication Technology Reputation for XU030 Quote Companies**
Seker Ş. E., Cankir B., Arslan M. L.
International Journal of Innovation, Management and Technology, vol.5, no.3, pp.221-225, 2014 (Non Peer-Reviewed Journal)
- VIII. **Innovation Driven Emerging Technology from two Contrary Perspectives: A Case Study of Internet**
Şeker Ş. E.
International Journal of Advances in Science and Technology , vol.3, pp.87-96, 2014 (Peer-Reviewed Journal)
- IX. **The Impact of Employment Web Sites' Traffic on Unemployment: A Cross Country Comparison**
Arslan M. L., Seker Ş. E.
INTERNATIONAL JOURNAL OF SOCIAL SCIENCES AND HUMANITY STUDIES , no.2, pp.130-138, 2014 (Non Peer-Reviewed Journal)
- X. **Time Series Analysis on Stock Market for Text Mining Correlation of Economy News**
ŞEKER Ş. E., mert c., AlNaami K., özalp n., Ayan U.
INTERNATIONAL JOURNAL OF SOCIAL SCIENCES AND HUMANITY STUDIES, vol.6, no.1, pp.69-91, 2014 (Peer-Reviewed Journal)
- XI. **Financial Crisis and the ICT Industry Cross Market Research on Europe US Turkish and Gulf Countries**
ŞEKER Ş. E., GEORGIEVSKI B.
Research Journal of Finance and Accounting, vol.5, no.24, 2014 (Peer-Reviewed Journal)
- XII. **Strategic Competition of Internet Interfaces for XU30 Quoted Companies**
Seker Ş. E., Cankir B., Okur M. E.
IJCCE, vol.3, no.6, pp.464-468, 2014 (Non Peer-Reviewed Journal)
- XIII. **Human Resource Management Problems for Insurance Company Mergers: A Case Study**
Okur M. E., Dilbaz Z. A., Şeker Ş. E.

JOAMS, no.1, pp.316-320, 2014 (Non Peer-Reviewed Journal)

XIV. A Novel String Distance Function based on Most Frequent K Characters

Seker Ş. E., Altun O., Ayan U., Mert C.

International Journal of Machine Learning and Computation (IJMLC), no.2, pp.177-183, 2014 (Peer-Reviewed Journal)

XV. Ensembled correlation between liver analysis outputs

ŞEKER Ş. E., Unal Y., Erdem Z., Kocer H. E.

International Journal of Biology and Biomedical Engineering, vol.8, pp.1-5, 2014 (Scopus)

XVI. Web Based Reputation Index of Turkish Universities

ARSLAN M. L., ŞEKER Ş. E.

International Journal of e-Education, e-Business, e-Management and e-Learning, vol.4, no.3, pp.197-203, 2014 (Peer-Reviewed Journal)

XVII. Web Reputation Index for XU030 Quote Companies

Şeker Ş. E.

Journal of Industrial and Intelligent Information , no.2, pp.110-113, 2014 (Non Peer-Reviewed Journal)

XVIII. Correlation between the Economy News and Stock Market in Turkey

Şeker Ş. E.

International Journal of Business Intelligence Research, vol.4, pp.1-21, 2013 (Peer-Reviewed Journal)

XIX. Ensemble Clustering for Biological Datasets

Pirim H., Seker Ş. E.

INTECH, no.13, pp.287-298, 2012 (Peer-Reviewed Journal)

Books & Book Chapters

I. Algoritmalar

ŞEKER Ş. E.

Nobel, Ankara, 2021

II. Python İle Makine Öğrenmesi

ŞEKER Ş. E., Gürçay F.

Kobo, 2020

III. Başlangıç Düzeyinde C++ Öğrenimine Giriş

Şeker Ş. E.

Şadi Evren Şeker, İstanbul, 2018

IV. İnternet Nasıl Çalışır?

Yörük R.

Kobo, 2018

V. RapidMiner ile Veri Madenciliği

Şeker Ş. E.

Sadi Evren ŞEKER, İstanbul, 2016

VI. Weka ile Veri Madenciliğine Giriş

Şeker Ş. E.

Şadi Evren Şeker, İstanbul, 2016

VII. Dijital İşletme

Şeker Ş. E.

Cinius Yayınları, İstanbul, 2013

VIII. İş Zekası ve Veri Madenciliğine Giriş WEKA ile

ŞEKER Ş. E.

Cinius Yayınları, 2013

IX. Bioinformatics

Şeker Ş. E.

in: Ensemble Clustering for Biological Datasets, Horacio Pérez-Sánchez, Editor, Intech, İstanbul, pp.1, 2012

X. **Programlama ve Veri Yapılarına Giriş JAVA, C, C++ dilleri**

Şeker Ş. E.

Sadi Evren ŞEKER, İstanbul, 2009

Refereed Congress / Symposium Publications in Proceedings

- I. **Perakende Verilerinde Anomali Tespiti ve Döviz Kuru İlişkisi Üzerine ChatGPT Destekli Yorumlama**
Şeker Ş. E., Nizam Özoğur H.
2024 9th International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 26 October 2024, pp.932-937
- II. **Low Power Design for DVFS Capable Software**
Manzak A., Seker Ş. E.
10th IEEE Annual Ubiquitous Computing, Electronics and Mobile Communication Conference, UEMCON 2019, New York, United States Of America, 10 - 12 October 2019, pp.1175-1179
- III. **Real life machine learning case on mobile advertisement: A set of real-life machine learning problems and solutions for mobile advertisement**
Şeker Ş. E.
2016 International Conference on Computational Science and Computational Intelligence, CSCI 2016, Nevada, United States Of America, 15 - 17 December 2016, pp.520-524
- IV. **Introduction to data, text, and web mining for business analytics minitrack**
Delen D., Eryarsoy E., Şeker Ş. E.
50th Annual Hawaii International Conference on System Sciences, HICSS 2017, Hawaii, United States Of America, 3 - 07 January 2017, vol.2017-January, pp.1110-1111
- V. **Generating Digital Reputation Index A Case Study**
ŞEKER Ş. E., ERYARSOY E.
Procedia – Social and Behavioral Sciences, 24 April - 30 March 2015
- VI. **GISQF: An efficient spatial query processing system**
Al Naami K. M., Seker Ş. E., Khan L.
7th IEEE International Conference on Cloud Computing, CLOUD 2014, Alaska, United States Of America, 27 June - 02 July 2014, pp.681-688
- VII. **Generating Java Class Skeleton Using a Natural Language Interface**
Şeker Ş. E.
GENERATING JAVA CLASS SKELETON USING A NATURAL LANGUAGE INTERFACE, Porto, Portugal, 1 - 03 January 2014, pp.1-10
- VIII. **Correlation Between Turkish Stock Market and Economy News**
Şeker Ş. E.
Reliability Aware Data Fusion, held along with SIAM International Conference on Data Mining 2013 (SDM 2013), Alaska, United States Of America, 1 - 03 May 2013, pp.50-55
- IX. **Sentimental versus Impact of Blogs**
Şeker Ş. E.
Proceedings of the International Conference on Internet Computing and Big Data, İstanbul, Turkey, 4 - 07 March 2013, pp.127-133
- X. **Sentimental Analysis on Turkish Blogs via Ensemble Classifier**
Şeker Ş. E.
PROCEEDINGS OF THE 2013 INTERNATIONAL CONFERENCE ON DATA MINING, İstanbul, Turkey, 1 - 06 March 2013, pp.10-16
- XI. **Proceedings of the International Conference on Internet Computing and Big Data**
Şeker Ş. E.
SCI 2013 (System, Control and Informatics) Proceedings of the 2013 International Conference on Systems, Control

and Informatics (SCI 2013), İstanbul, Turkey, 28 - 29 September 2013, pp.217-222

XII. Ensemble Classification over Stock Market Time Series and Economy News

Seker Ş. E., Mert C., Al-Naami K., Ayan U., Ozalp N.

11th IEEE International Conference on Intelligence and Security Informatics (IEEE ISI), Washington, United States Of America, 4 - 07 June 2013, pp.272-273

XIII. Author attribution on streaming data

Seker Ş. E., Al-Naami K., Khan L.

2013 IEEE 14th International Conference on Information Reuse and Integration, IEEE IRI 2013, San Francisco, CA, United States Of America, 14 - 16 August 2013, pp.497-503

XIV. S-Box Hashing for Text Mining

Şeker Ş. E.

International Symposium on Computing in Informatics and Mathematics , İstanbul, Turkey, 01 January 2013, pp.851-855

XV. Reverse Factorization and Comparison of Factorization Algorithms in Attack to RSA

Şeker Ş. E.

Proceedings of the International Conference on Scientific Computing, İstanbul, Turkey, 01 January 2013, pp.101-109

XVI. Web Spider Performance and Data Structure Analysis

Şeker Ş. E.

Semantic Web and Web Services, İstanbul, Turkey, 2 - 05 January 2012, pp.73-77

XVII. A Novel Temporal Visualization Framework for Relational Event Representation

Şeker Ş. E.

Modelling and Simulation, New York, United States Of America, 1 - 05 January 2012, pp.258-264

XVIII. Turkish Query Engine on Library Ontology

Şeker Ş. E.

Internet Knowledge Engineering, İstanbul, Turkey, 1 - 05 January 2012, pp.26-33

XIX. Performance Evaluation of a Regular Expression Crawler and Indexer

Şeker Ş. E.

Internet Computing, New York, United States Of America, 05 January 2012, pp.33-39

XX. TimeML and Turkish temporal logic

Seker Ş. E., DİRİ B.

2010 International Conference on Artificial Intelligence, ICAI 2010, Las Vegas, NV, United States Of America, 12 - 15 July 2010, vol.2, pp.881-887

Supported Projects

Şeker Ş. E., TUBITAK Project, UÇTAN UCA EŞLEŞTİRME VE TAVSİYE PROBLEMLERİNİ OTOMATİK MAKİNE ÖĞRENMESİ İLE ÇÖZEN YAPAY ZEKA MOTORU, 2021 - 2025

Şeker Ş. E., TUBITAK Project, KOBİ'LERE ÖZEL SAAS ÜZERİNDEN OTOMATİK MAKİNE ÖĞRENMESİ SUNAN PLATFORM, 2021 - 2022

Şeker Ş. E., TUBITAK Project, OPTİSEGMENT - ENDÜSTRİ BAĞIMSIZ YAPAY ZEKA SEGMENTASYON YAZILIMI, 2019 - 2020

Şeker Ş. E., Project Supported by Other Official Institutions, The Impact of Employment Web Sites Traffic on Unemployment A Cross Country Comparison, 2013 - 2013

Şeker Ş. E., TUBITAK Project, Solving Statistical Optimisation Problems via Artificial Intelligence, 2012 - 2013

Şeker Ş. E., TUBITAK Project, Data Mining Applications on Engineering Problems, 2012 - 2013

Şeker Ş. E., TUBITAK Project, Solving Statistical Optimisation Problems via Artificial Intelligence, 2011 - 2012

Patent

Şeker Ş. E., Computer-implemented methods for selection of features in predictive data modeling, Patent, CHAPTER G Physics, The Invention Recourse Number: PCT/WO2021101463A1 , Standard Registration, 2019

Şeker Ş. E., A machine learning based prediction system and method, Patent, CHAPTER G Physics, The Invention Recourse Number: PCT/WO2021054905A1 , Standard Registration, 2019

Şeker Ş. E., A method and system for clustering performance evaluation and increment, Patent, CHAPTER G Physics, The Invention Recourse Number: PCT/WO2021029835A1 , Standard Registration, 2019

Activities in Scientific Journals

YBS Ansiklopedi, Editor, 2014 - Continues

Memberships / Tasks in Scientific Organizations

BCS, Member, 2023 - Continues, England

ACM, Member, 2000 - Continues, United States Of America

IEEE, Member, 2000 - Continues, United States Of America

Scientific Refereeing

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Istanbul University, Turkey, December 2023

FRONTIERS IN ARTIFICIAL INTELLIGENCE AND APPLICATIONS, SCI Journal, October 2023

Metrics

Publication: 60

Citation (WoS): 74

Citation (Scopus): 326

H-Index (WoS): 8

H-Index (Scopus): 9

Invited Talks

Akıllı Sistemlerde Yenilikler ve Uygulamalar, Conference, Yıldız Teknik Üniversitesi, Turkey, September 2022

Non Academic Experience

Company, Optiwisdom, OptiCRM - BPM

Company, Optiwisdom, İzlerO

Company, Optiwisdom, OptiWisdom Customer Journey Analysis (OWCJA)

Türkiye Bilişim Derneği

Company, Optiwisdom, KolayAI

Antalya Genç İş İnsanları Derneği

Company, Optiwisdom, XchangeWiser

Company, Optiwisdom, OptiSegment

Company, Optiwisdom, OptiMatcher

Company, Optiwisdom, OptiScorer

Uluslararası Bilişim ve İş Zekası Derneği (UBIZDER)