

FATMA ÖNAY KOÇOĞLU

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAT-2530-2020

Yoksis Researcher ID: 123040

Biography

Fatma Önay KOÇOĞLU (PhD) graduated from Istanbul University (IU) Faculty of Science, Department of Mathematics and Sakarya University Faculty of Engineering, Department of Industrial Engineering. With her dissertations on Data Mining, she received her master's degree in 2012 and doctorate in 2017 from IU Institute of Graduate Studies in Sciences, Department of Informatics. In 2011, she was a graduate student at Université de Technologie de Compiègne (France), Computer Engineering Department for 6 months. She is continuing her second doctorate in IU-Cerrahpaşa Institute of Graduate Studies, Industrial Engineering Program. She has been working as a Research Assistant at IU Informatics Department since 2010. Her research areas are Artificial Intelligence, Data Mining, Machine Learning, Decision Support Systems, Facility Location and Allocation Problems, Mathematical Modeling and Optimization. She has many scientific studies published in national and international fields. She worked as a researcher in projects supported by The Scientific and Technological Research Council of Turkey (TÜBİTAK) and the other Higher Education Institutions. She also worked as an instructor in the scientific training programs organized by Higher Education Institutions and Non-Governmental Organizations. She speaks English fluently and basic French.

Learning Knowledge

Doctorate
2018 - Continues Istanbul University, Lisansüstü Eğitim Enstitüsü, Endüstri Mühendisliği, Turkey

Undergraduate
2013 - 2017 Sakarya University, Faculty Of Engineering, Endüstri Mühendisliği, Turkey

Doctorate
2012 - 2017 Istanbul University, Institute of Graduate Studies In Sciences, Informatics Department, Turkey

Postgraduate
2009 - 2012 Istanbul University, Institute of Graduate Studies In Sciences, Enformatik, Turkey

Undergraduate
2003 - 2009 Istanbul University, Faculty Of Science, Matematik, Turkey

Foreign Languages

French, A1 Beginner

English, C1 Advanced

Certificates, Courses and Trainings

Foreign Language, Genel Fransızca A2.1 , Institut Francais Turquie-İstanbul, 2020

Foreign Language, Genel Fransızca A1.2, Institut Francais Turquie-İstanbul, 2019

Foreign Language, Genel Fransızca A1.1, Institut Francais Turquie-İstanbul, 2019

Education Management and Planning, Eğiticinin Eğitimi (Katılımcı), Uludağ Üniversitesi, 2018

IT, Programming with PL/SQL (Katılımcı), Oracle Academy, 2013

IT, MatLab (Katılımcı), Akiza, 2012

IT, PHP ile Web Programlama (Katılımcı), Bilgi Teknolojileri Akademisi, 2012

Education Management and Planning, Erasmus-Génie Informatique, Sorbonne Universities- Université de Technologie de Compiègne, 2011

IT, Yazılım ve Veritabanı Uzmanlığı (Katılımcı), Başarısoft, 2010

Dissertations

Doctorate, Analytical Approaches for Solving in Churn Analysis Problem, Istanbul University, Institute of Graduate Studies In Sciences, Informatics Department, 2017

Postgraduate, Comparison of data discretization methods in data mining process and an application, Istanbul University, Institute of Graduate Studies In Sciences, Informatics Department, 2012

Academic Titles / Tasks

Associate Professor
2023 - Continues

Mugla Sitki Kocman University, Faculty Of Engineering

Research Assistant PhD
2017 - 2021

Istanbul University, Enformatik

Research Assistant
2010 - 2017

Istanbul University, Enformatik, Enformatik

Supported Projects

1. Sutas Bozkurt P., Özen Z., Koçoğlu F. Ö., Kartal E., Güngör G., Salihoglu Z., TUBITAK Project, Developing a Decision Support System in Determining the Intensive Care Need of the Patient after the Surgery, 2019 - 2021
2. EROL Ç., SUTAŞ BOZKURT A. P., KARTAL E., ÖZEN Z., KOÇOĞLU BAKİOĞLU F. Ö., SALİHOĞLU Z., PEKEL A. F., KARAÖREN G., ÜNLÜSOY E. Ö., GÜLSEÇEN S., et al., Project Supported by Higher Education Institutions, Ameliyat Sonrası Kronik Ağrının Öngörülmesi İçin Karar Destek Sistemi Geliştirilmesi ASK, 2017 - 2017
3. BARAY Ş. A., KOÇOĞLU BAKİOĞLU F. Ö., Project Supported by Higher Education Institutions, Müşteri Kayıp Analizi Probleminin Çözümünde Analitik Yaklaşımalar, 2014 - 2017
4. GÜLSEÇEN S., ÖZEN Z., KARTAL E., KOÇOĞLU BAKİOĞLU F. Ö., ÇELİK S., Project Supported by Higher Education

- Institutions, R ile Veri Madenciliği Ulusal Networking Geliştirme, İşbirliği ve Araştırma Projesi: Hastalık Tanısı Üzerine Bir Vak'a Analizi, 2015 - 2016
5. GÜLSEÇEN S., EROL Ç., KARTAL E., ÖZEN Z., KOÇOĞLU BAKİOĞLU F. Ö., Project Supported by Higher Education Institutions, Sosyal Bilimlerde Dijital okur-yazar sayısının artırılabilmesi için ABD ile işbirliği, 2014 - 2016

Awards

1. KOÇOĞLU F. Ö., Sakarya Üniversitesi Endüstri Mühendisliği 2016-2017 Eğitim Öğretim Dönemi Yüksek Onur Belgesi, Sakarya Üniversitesi, June 2017

Scholarships

2214-A Doktora Sırası Yurtdışı Araştırma Bursu, TUBITAK, 2021 - 2022
Young Visiting Researchers Fellowship, Official Institutions of Foreign Countries, 2021 - 2021

Articles Published in Other Journals

1. **AN INTELLIGENT POSTOPERATIVE CHRONIC PAIN PREDICTION SYSTEM (I-POCPP)**
Kartal E., Kocoglu F. O., Özen Z., Emre İ. E., Gungor G., Bozkurt P. S.
JOURNAL OF ISTANBUL FACULTY OF MEDICINE-ISTANBUL TIP FAKULTESI DERGİSİ, vol.85, no.3, pp.416-424, 2022 (Scopus)
2. **Machine Learning Approach and Model Performance Evaluation for Tele-Marketing Success Classification**
Kocoglu F. O., Esnaf S.
INTERNATIONAL JOURNAL OF BUSINESS ANALYTICS, vol.9, no.5, 2022 (ESCI)
3. **Analysis of the incidence and predictive factors of chronic postoperative pain in adult population**
Sutaş Bozkurt A. P., Özen Z., Kartal E., Emre I. E., Koçoğlu Bakioğlu F. Ö., Erol Ç., Güngör G., Guneyli C., Basaranoglu G., Ünlüsoy E. Ö., et al.
İzmir Tepecik Eğitim Hastanesi Dergisi, vol.28, no.2, pp.89-94, 2018 (Peer-Reviewed Journal)
4. **Observation of Success Status of Employees in E-Learning Courses in Organizations with Data Mining**
Kocoglu F. Ö., Emre I. E., Erol Ç.
INTERNATIONAL JOURNAL OF E-ADOPTION, vol.9, no.1, pp.38-49, 2017 (ESCI)
5. **Internet-Based learning from the perspective of employees: A study on analysis of awareness, use case and effectiveness**
Koçoğlu F. Ö., Gülseçen S., Erol Ç., Koçoğlu E. S.
World Journal on Educational Technology, no.8, pp.1-9, 2016 (Scopus)
6. **The Examination Of User Habits Through Google Analytic Data Of Academic Education Platforms**
Özen Z., Koçoğlu F. Ö., Beden S.
International Journal of E-Adoption (IJEA), no.6, pp.31-46, 2014 (ESCI)
7. **Can Geogebra Make Easier The Understanding Of Cartesian Co-Ordinates? A Quantitative Study In Turkey**
Gülseçen S., Kartal Karataş E., Koçoğlu F. Ö.
International Journal on New Trends in Education and Their Implications - IJONTE, vol.3, no.4, 2012 (Peer-Reviewed Journal)

Books & Book Chapters

1. **Future needs from the Smart Mega City (SMC) plans - smart green city - the case of Istanbul**

- Gülseçen S., Gezer M., Çelik S., Koçoğlu F. Ö.
in: Sustainable Mega City Communities, Woodrow W. Clark II, Editor, Elsevier Science, Oxford/Amsterdam , Oxford, pp.109-118, 2021
2. **Algoritma**
Koçoğlu F. Ö., Erol Ç.
in: Tıp Bilişimi, Gülseçen S.,Bozbuğa N., Editor, İstanbul University, İstanbul, pp.249-271, 2021
3. **Algoritma**
KOÇOĞLU F. Ö., EROL Ç.
in: Tıp Bilişimi, Bozbuğa N., Gülseçen S., Editor, İstanbul University Press, pp.249-271, 2021
4. **Data in the Context of Industry 4.0**
Koçoğlu F. Ö., Demirkol D.
in: Who Runs the World: Data, Sevinç Gülseçen,Sushil Kumar Sharma,Emre Akadal, Editor, İstanbul University, İstanbul, pp.71-92, 2020
5. **Veri Madenciliği Kümeleme Algoritmalarının Başarı Göstergesi Olarak Kümeleme İndeks Değerlerinin İncelenmesi**
KOÇOĞLU F. Ö., ESNAF Ş.
in: Veri Madenciliği ve Makine Öğrenmesi Temel Kavramlar, Algoritmalar, Uygulamalar, Balaban M., Kartal E., Editor, Çağlayan Kitabevi, İstanbul, pp.243-288, 2019
6. **Ayrılma Eğilimli Müşterilerin Belirlenmesi Probleminde Veri Madenciliği Algoritmalarının Performans Analizi**
Koçoğlu F. Ö., Özcan T., Baray Ş. A.
in: Yönetim Bilişim Sistemlerinde Gündem, Gülseçen S., Selçukcan Erol Ç., Ayvaz Reis Z., Gezer M., Editor, Çağlayan Kitabevi, İstanbul, pp.203-220, 2018
7. **“Endüstri 4.0” Konusu Üzerine R Programlama Dili İle Bibliyometrik Analiz**
KOÇOĞLU F. Ö.
in: Modern Dönemde Edebiyat, Eğitim, İktisat ve Mühendislik, Başal, H.A., Kerimak Öner, M.N., Ulutürk, Y., Editor, Berikan Elektronik Basım Yayın, Ankara, pp.219-248, 2018
8. **Abstracts Book of International Congress on Studies in Frame of Informatics 2013&2014**
Gülseçen S., Sati Z., Koçoğlu F. Ö. (Editor)
İstanbul Üniversitesi, İstanbul, 2016
9. **Veri Madenciliğinde Kümeleme Algoritmaları ile Müşteri Segmentasyonu**
Koçoğlu F. Ö., Özcan T.
in: R ile Veri Madenciliği Uygulamaları, M. Erdal Balaban,Elif Kartal, Editor, Çağlayan Kitabevi, İstanbul, pp.187-220, 2016
10. **Bilgi Yönetimi ve İş Süreçleri Etkileşimi**
KOÇOĞLU F. Ö.
in: Bilgi Yönetimi: Bilgi Türeticileri, Büyük Veri, İnovasyon, Kurumsal Zeka, Gülseçen, S., Editor, Papatya Yayıncılık, İstanbul, pp.79-90, 2015

Refereed Congress / Symposium Publications in Proceedings

1. **A Bibliometric Analysis On The Relationship Of Diabetes And Artificial Intelligence**
Demirkol D., Koçoğlu F. Ö., Aktaş Ş., Erol Ç.
7th International Management Information Systems Conference, 9 - 11 December 2020
2. **The role of knowledge management in achieving the goals of implementing e-governance in universities**
Gülseçen S., Koçoğlu F. Ö., Khudhur F. N.
Le Deuxième Colloque International : Formation Universitaire et Environnement Socio-économique : La gouvernance à l'université, Wilaya De Constantine, Algeria, 5 - 06 September 2020
3. **EFFECTS OF BALANCED-IMBALANCED DATASET ON THE PERFORMANCE OF EXTREME LEARNING**

MACHINE

Koçoğlu F. Ö., Özcan T.

ENGINEERING AND TECHNOLOGY MANAGEMENT SUMMIT 2018, İstanbul, Turkey, 4 - 05 October 2018, pp.201-209

4. **Prediction of Student Performans by Deep Learning Algorithm**
Özkan Y., KOÇOĞLU F. Ö., EROL Ç.
7th International Conference On "Innovations In Learning For The Future": Digital Tranformation in Education (FL2018), İstanbul, Turkey, 11 - 14 September 2018, pp.25
5. **Data Mining Methods for Solving Customer Churn Analysis Problem**
Koçoğlu F. Ö., Özcan T., Baray Ş. A.
4th International Management Information Systems Conference, İstanbul, Turkey, 17 - 20 October 2017, pp.197-198
6. **IMPORTANCE OF DATA MINING IN ACCESS TO KNOWLEDGE AS AN INTELLECTUAL CAPITAL AND A STUDY ON CHURN ANALYSIS**
Koçoğlu F. Ö., Özcan T.
International Conference of Management Economics and Business, Zonguldak, Turkey, 7 - 09 September 2017, pp.304
7. **Observation of Success in e-Learning with Data Mining Methods**
Koçoğlu F. Ö., Emre İ. E., Erol Ç.
6th International Conference on "Innovations in Learning for the Future" 2016: Next Generation (FL2016 , October 24-26, 2016) , İstanbul, Turkey, 24 - 26 October 2016, pp.75
8. **Observation of Success in e-Learning with Data Mining Methods**
Koçoğlu F. Ö., Emre İ. E., Erol Ç.
6th International Conference on "Innovations in Learning for the Future" 2016: Next Generation (FL2016 , October 24-26, 2016) , İstanbul, Turkey, 24 - 26 October 2016, pp.75
9. **Veri Madenciliğinde Ayrılan Müşteri Analizi Problemi Üzerine Bir Literatür Araştırması**
Koçoğlu F. Ö., Özcan T., Baray Ş. A.
Üretim Araştırmaları Sempozyumu (ÜAS 2016), İstanbul, Turkey, 12 - 14 October 2016, pp.868-874
10. **OLDER AGE IS RELATED WITH HIGHER POCP IN ADULT PATIENT POPULATION IN TURKEY- PRELIMINARY REPORT**
Bozkurt P., Gungor G., Ozen Z., Unlusoy E. O., Ugur O., Sayilgan C., Buluc S., Guneyli C., Çolakoğlu N., Umutoglu T., et al.
16th World Congress of Anaesthesiologists (WCA), Hong Kong, PEOPLES R CHINA, 28 August - 02 September 2016, vol.123, pp.367
11. **Internet Based Learning from the Perspective of Employees: Study on Analysis of Awareness, Use Case and Effectiveness**
Koçoğlu F. Ö., Gülseçen S., Erol Ç., Koçoğlu E. S.
6th World Conference on Learning Teaching and Educational Leadership, Paris, France, 29 - 31 October 2015
12. **Interpet: Evcil Hayvan Sağlığı Hakkında Bilgiye Erişim Kaynağı Olarak İnternet**
Erol Ç., Koçoğlu F. Ö., Özen Z., Kartal E., Gülseçen S.
XVII. Akademik Bilişim Konferansı, Eskişehir, Turkey, 4 - 06 February 2015, pp.434-441
13. **Aspects of Students about Information Technology Courses in Social Science**
Koçoğlu F. Ö., Kartal E., Ozen Z., Selcukcan Erol Ç., Gulsecen S.
International Educational Technology Conference IETC, Illinois, United States Of America, 3 - 05 September 2014, vol.176, pp.148-154
14. **Bilgi Ekonomisi Üzerine Bir Çalışma**
Özen Z., Kartal Karataş E., Selçukcan Erol Ç., Koçoğlu F. Ö.
XVI. Akademik Bilişim Konferansı, Mersin, Turkey, 5 - 07 February 2014, pp.239-245
15. **Introduction to Infonomics**
Kartal E., Özen Z., Koçoğlu F. Ö.
International Congress on Studies "in Frame of Informatics" : Infonomics, İstanbul, Turkey, 14 November 2013,

pp.21

16. **Kamu Kurumlarında Elektronik İmza Hakkında Karşılaştırmalı Bir Çalışma**
Selçukcan Erol Ç., Koçoğlu F. Ö., Özgen Z., Kartal E.
6th International Conference on Information Security and Cryptology, Ankara, Turkey, 20 - 21 September 2013,
pp.111-115
17. **Yerel Yönetimlerde E-Devlet Uygulamaları: İstanbul İli Ve Belediye Yönetimlerinde Kullanılan E-Devlet Hizmetlerinin Değerlendirilmesi**
Ecevit Satıcı Z., Özgen Z., Koçoğlu F. Ö., Kartal Karataş E., Selçukcan Erol Ç.
VI. İstanbul Bilişim Kongresi, İstanbul, Turkey, 7 - 08 November 2012, pp.61-75
18. **E-Üniversite'ye Yolculuk**
Ecevit Satıcı Z., Kartal Karataş E., Özgen Z., Koçoğlu F. Ö., Selçukcan Erol Ç.
XV. Akademik Bilişim Konferansı, Antalya, Turkey, 23 - 25 January 2013, pp.355-360
19. **The Examination of User Habits through the Google Analytic Data of Academic Education Platforms**
ÖZGEN Z., KOÇOĞLU F. Ö., Beden Ş.
4th International Future Learning Conference on Innovations in Learning for the Future: e-Learning, Turkey, 1 - 04 November 2012, pp.300-316
20. **Can Geogebra Make Easier The Understanding Of Cartesian Co-ordinates? A Quantitative Study in Turkey**
Gülseçen S., Kartal Karataş E., Koçoğlu F. Ö.
International Conference on New Trends in Education and Their Implications - ICONTE, Antalya, Turkey, 26 - 28 April 2012, pp.160
21. **Web Tabanlı Eğitimde İçerik Tasarımı**
Saraç A. E., KOÇOĞLU F. Ö., AYVAZ REİS Z.
XIII. Akademik Bilişim Konferansı, Malatya, Turkey, pp.493-500
22. **How Much the Concept of E-Government and Its Applications Came into Our Life: The Case of Informatics Department**
AYVAZ REİS Z., ÖZDEMİR Ş., Uğraş T., KOÇOĞLU F. Ö.
2nd World Conference on Information Technology, Turkey

Academic and Administrative Experience

Mevlana Exchange		
2017 - Continues	Program Institutional Coordinator	Istanbul University, Rektörlük, Bölümler
Erasmus Program		
2014 - Continues	Institutional Coordinator	Istanbul University, Rektörlük, Bölümler
2011 - Continues	Web Sitesi Sorumlusu	Istanbul University, Rektörlük, Bölümler

Activities in Scientific Journals

Acta INFOLOGICA, Editor, 2017 - Continues

Memberships / Tasks in Scientific Organizations

Türkiye Bilişim Derneği, Member, 2018 - Continues

Scientific Refereeing

International Journal of Management Information Systems and Computer Science, Other Indexed Journal, January 2018

Scientific Research / Working Group Memberships

Veri Madenciliği Çalışma Grubu, TÜRKİYE BİLİŞİM DERNEĞİ (TBD), Turkey, <http://verimadenciligi.org/>, 2018 - Continues

Yapay Zeka ve Veri Bilimi Çalışma Grubu, İSTANBUL ÜNİVERSİTESİ, Turkey,
<http://informatics.istanbul.edu.tr/tr/content/yapay-zeka-ve-veri-bilimi-calisma-grubu/hakkimizda>, 2018 - Continues

Metrics

Publication: 39

Citation (WoS): 3

Citation (Scopus): 2

H-Index (WoS): 2

H-Index (Scopus): 1

Congress and Symposium Activities

Yapay Zeka Yaz Okulu, Attendee, Sakarya, Turkey, 2018

Mühendislik ve Teknoloji Yönetimi Zirvesi 2018, Attendee, İstanbul, Turkey, 2018

Uluslararası Bilimsel Araştırmalar Kongresi, Attendee, Mardin, Turkey, 2018

4th International Management Information Systems Conference, Attendee, İstanbul, Turkey, 2017

Yapay Zeka Yaz Okulu, Attendee, Sakarya, Turkey, 2017

International Conference of Management Economics and Business, Attendee, Zonguldak, Turkey, 2017

16. Uluslararası Katılımlı Üretim Araştırmaları Sempozyumu:"4. Sanayi Devriminde Üretim", Attendee, İstanbul, Turkey, 2016

Disiplinlerarası Uygulamalı Veri Madenciliği Çalıştayı, Attendee, Muğla, Turkey, 2016

R Programlama Dili ile Veri Madenciliği: Veri Madenciliğinde Basit Naive Bayes Algoritması Semineri, Attendee, İstanbul, Turkey, 2016

6th World Conference on Learning Teaching and Educational Leadership, Attendee, Paris, France, 2015

Future Learning 2015 Ulusal Çalıştayı, Attendee, Muğla, Turkey, 2015

R ile Veri Madenciliği Yaz Okulu, Attendee, Muğla, Turkey, 2015

Akademik Bilişim 2015, Attendee, Eskişehir, Turkey, 2015

International Educational Technology Conference, Attendee, Chicago, Illinois, United States Of America, 2014

5th International Conference on Innovations in Learning for the Future 2014: e-Learning, Attendee, İstanbul, Turkey, 2014

Akademik Bilişim 2014, Attendee, Mersin, Turkey, 2014

XVIII. Türkiye'de Internet Konferansı, Attendee, İstanbul, Turkey, 2013

First Conference on Infonomics in Frame of Informatics, Attendee, İstanbul, Turkey, 2013

Akademik Bilişim 2013, Attendee, Antalya, Turkey, 2013

Üniversitelerde Uluslararası Sorunları Çalıştayı, Attendee, İstanbul, Turkey, 2012

4th International Conference on Innovations in Learning for the Future 2012: e-Learning, Attendee, İstanbul, Turkey, 2012

VI. İstanbul Bilişim Kongresi, Attendee, İstanbul, Turkey, 2012
Project Management Summit, Attendee, İstanbul, Turkey, 2012
Oracle Akademi Günleri, Attendee, İstanbul, Turkey, 2012
3rd International Conference on New Trends in Education and Their Implications 2012, Attendee, Antalya, Turkey, 2012
IL Settore Dell'ict In Friuli Venezia Giulia: Stato Dell'arte, Eccellenze Ed Opportunita, Attendee, İstanbul, Turkey, 2011
Uluslararası Yükseköğretim Kongresi: Yeni Yönelişler ve Sorunlar, Attendee, İstanbul, Turkey, 2011
II. Ulusal Uzaktan Eğitim ve E-öğrenme Çalıştayı, Attendee, İstanbul, Turkey, 2011
Türkiye'de Kadın ve Bilişim, Attendee, İstanbul, Turkey, 2011
Microsoft Türkiye Bilişim Zirvesi, Attendee, İstanbul, Turkey, 2011
Kadın ve Bilişim, Attendee, Malatya, Turkey, 2011
Akademik Bilişim 2011, Attendee, Malatya, Turkey, 2011
3rd International Conference on Innovations in Learning for the Future 2010: e-Learning, Attendee, İstanbul, Turkey, 2010
İ.T.Ü.Bilişim Teknolojileri Zirvesi'09, Attendee, İstanbul, Turkey, 2009
İÜ Gelişen Teknoloji Günleri'09, Attendee, İstanbul, Turkey, 2009
III. İstanbul Bilişim Kongresi, Attendee, İstanbul, Turkey, 2009

Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Industrial Engineering , Stochastic Modeling, Decision Theory, Decision Support Systems, Engineering and Technology