

## Prof. AHMET SAYAR

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Bilgisayar Mühendisliği 41380, İzmit/KOCAELİ

### International Researcher IDs

ScholarID: SRPTqekAAAAJ

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Publons / Web Of Science ResearcherID: F-6453-2018

ScopusID: 6603628718

Yoksis Researcher ID: 153625



## Biography

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Ahmet Sayar received M.Sc. in Computer Science (2001) from Syracuse University and PhD in Computer Science (2009) from Indiana University, USA. Prior to his graduate studies he has worked as a system analyst at Istanbul Natural Gas Distribution Company (IGDAS) for two and half years. He has also worked at Los Alamos National Laboratory (New Mexico, USA) and Community Grids Laboratory (Indiana, USA) as a researcher, during or after his graduate studies. In 2009, he came back to Turkey and was employed as an Asst. Prof. Dr. at Computer Engineering Department at Kocaeli University. He was a Member of Board of Directors at Kocaeli University Institute of Science and Technology from 2016 to 2019. He was a Member of Advisory Committee, TÜBİTAK (The Scientific And Technological Research Council Of Turkey), Technology and Innovation Support Programs Presidency (TEYDEB), Bilteç in 2017 and 2018. He is a member of Decision and Evaluation Board for R & D, Innovation and Industrial Application Support Program in Scientific and Technological Research Council of KOSGEB. Ahmet Sayar is currently an Assoc. Professor at Computer Engineering Department at Kocaeli University in Turkey. He is also the Head of Student Affairs in the same university. He is an associate editor for several journals.

His current research interests include Distributed Systems, Big Data, Data-Intensive Computing, Geographic Information Systems (GIS) and Exploratory Data Analysis (EDA). He has (co-)authored 1 book 15 book chapters and around 150 papers.

## Education Information

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- I. Doctorate, Indiana University Bloomington, School Of Informatics, Computer Science, Bilgisayar Bilimleri (Computer Science), United States Of America 2001 - 2009
- II. Postgraduate, Syracuse University, L.C. Smith College Of Engineering, Computer Science, Bilgisayar Bilimleri (Computer Science), United States Of America 1999 - 2001
- III. Undergraduate, Istanbul Technical University, İşletme Fakültesi, İşletme Mühendisliği Anabilimdalı, Turkey 1991 - 1995

## Foreign Languages

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- I. German, B1 Intermediate
- II. English, C1 Advanced

## Research Areas

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Geographic Information Systems, Earth Observations (Remote Sensing), Computer Sciences, algorithms, Performance Modelling and Evaluation, Distributed Systems, Parallel Algorithms, Database and Data Structures, Knowledge Engineering, Text/Document Processing, Pattern Recognition and Image Processing, Programming Languages

## Academic Titles / Tasks

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- I. Professor, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2021 - Continues
- II. Associate Professor, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2016 - 2021
- III. Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2010 - 2015
- IV. Research Assistant PhD, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2009 - 2010
- V. Research Assistant, Indiana University Bloomington, Arts And Sciences, Computer Science, 2002 - 2009

## Courses

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- I. Research Problems (2), Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
- II. Automata Theory (1), Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
- III. Object Oriented Programming (2), Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2010 - 2011, 2009 - 2010
- IV. Automata Theory (2), Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
- V. Graduate Project (1), Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012
- VI. Yüksek Lisans Seminer, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
- VII. Graduation Project (2), Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012
- VIII. Uzmanlık Alan Dersi, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012
- IX. Uzmanlık Alan Dersi, Doctorate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
- X. Software Lab I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2015 - 2016
- XI. Research Problems (1), Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
- XII. Object Oriented Programming (1), Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2010 - 2011, 2009 - 2010
- XIII. Software Lab II, Undergraduate, 2019 - 2020, 2018 - 2019, 2015 - 2016, 2013 - 2014, 2012 - 2013
- XIV. Distributed Systems, Doctorate, 2019 - 2020, 2018 - 2019
- XV. Dağıtık Sistemler, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012
- XVI. Introduction to Distributed Systems (2), Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
- XVII. Introduction to Distributed Systems (1), Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
- XVIII. Algorithm Analysis (1), Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
- XIX. Algorithm Analysis (2), Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

- XX. Programming Lab II, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016
- XXI. Algorithm Design and Analysis, Postgraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
- XXII. Programming I, Undergraduate, 2015 - 2016
- XXIII. Java Programlming (USD), Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013
- XXIV. Java Programming (1), Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013
- XXV. Principles of Programming Languages (1), Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
- XXVI. Principles of Programming Languages (2), Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
- XXVII. Computer Lab - I, Undergraduate, 2013 - 2014, 2010 - 2011
- XXVIII. Computer Graphics (2), Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
- XXIX. Computer Graphics (1), Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
- XXX. Advanced Databases (1), Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
- XXXI. Advanced DatabasesI (2), Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
- XXXII. Computer Lab II, Undergraduate, 2011 - 2012
- XXXIII. Advanced Computer Graphics, Postgraduate, 2011 - 2012, 2010 - 2011
- XXXIV. İş hayatında İngilizce (1.öğr), Undergraduate, 2010 - 2011, 2009 - 2010
- XXXV. İş Hayatında İngilizce (2.öğr), Undergraduate, 2010 - 2011, 2009 - 2010
- XXXVI. Java Programming (2), Undergraduate, 2010 - 2011, 2009 - 2010

## Advising Theses

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- I. Sayar A., KİTLE KAYNAK KULLANIMI VE DOĞAL DİL İŞLEME İLE MARKET BAZINDA FİYAT ÖNERİ SİSTEMİ, Postgraduate, F.ER(Student), 2023
- II. Sayar A., İki boyutlu görüntülerde derinlik belirleme yöntemlerindeki zorlukların analizi, Postgraduate, Z.AKIN(Student), 2023
- III. Sayar A., Blokzincirin Tedarik Zincirinde Kullanımı İçin Taslak Bir Mimari, Postgraduate, Y.DİKİLİTAŞ(Student), 2021
- IV. Sayar A., İşbirlikçi mikroservisler ile gerçek zamanlı video görüntüleri üzerinde çok değişkenli filtreleme: akıllı trafik sistemleri uygulaması, Doctorate, S.KUL(Student), 2021
- V. Sayar A., NESNELERİN İNTERNETİ VERİLERİNİN GÜVENLİ BİR ŞEKİLDE BLOKZİNCİR AĞLARINA AKTARIMI, Postgraduate, K.ONUR(Student), 2021
- VI. Sayar A., Dijital pdf dokümanlardan biçim tanıma ve farklı içeriklere giydirme: Özgeçmişler üzerinde durum çalışması, Postgraduate, A.KANTARCI(Student), 2020
- VII. Sayar A., GEZİNGE (TRAJECTORY) VERİLERİNİN BENZERLİK ANALİZLERİ VE KULLANIM ALANLARI AÇISINDAN DEĞERLENDİRİLMESİ, Postgraduate, A.ULU(Student), 2019
- VIII. Sayar A., Uydu Görüntüleri Üzerinde Eşle/İndirge (Mapreduce) Yöntemine Dayalı Dağıtık Hesaplama İle Yüksek Başarılı Nesne Çıkarım Mimarisi, Doctorate, S.Eken(Student), 2018
- IX. Sayar A., Hadoop Eşle/İndirge Mimarisi Kullanılarak Görüntülerin En Uzun Ortak Alt Dizi Algoritması ile Örülmesi, Postgraduate, E.Yücer(Student), 2018
- X. SAYAR A., Makine Öğrenmesi Yöntemiyle Otel Öneri Sistemi”, Yüksek Lisans Tezi, Kocaeli Üniversitesi, Postgraduate, N.Turdaliyev(Student), 2018
- XI. SAYAR A., Akıllı Trafik Sistemleri İçin, Gerçek Zamanlı Mobese Görüntülerinin Konu Tabanlı Yönlendirilmesi, Postgraduate, İ.Tashiev(Student), 2017
- XII. Sayar A., Akan video görüntüleri üzerinden, dağıtık, işbirlikçi ve gerçek zamanlı araç tanıma ve boyutlarına göre sınıflandırma sistemi, Doctorate, S.Kul(Student), 2017
- XIII. SAYAR A., Uydu Mozaik Görüntülerin Örülmesi Ve Nesne Çıkarımı İçin Donanıma Bağlı Adaptif Yaklaşım, Postgraduate, Ü.Mert(Student), 2017
- XIV. SAYAR A., İnsansız Kara Araçlarında 2D Lidar kullanarak Yol Sınırlarının Belirlenmesi, Postgraduate,

- Ö.Yalçın(Student), 2014
- XV. SAYAR A., Hadoop Tabanlı Büyük Ölçekli Görüntü İşleme Altyapısı, Postgraduate, İ.Demir(Student), 2012
- XVI. SAYAR A., Dağıtık Sistemler İçin Ada Uydu Görüntülerinin Vektörel Modellenmesi ve Zaman-Mekansal Analizi, Postgraduate, S.Eken(Student), 2012
- XVII. Sayar A., Görüntü Sıkıştırma ve İnternet Üzerinden Güvenli Aktarım Sistemi”, Yüksek Lisans Tezi, Kocaeli Üniversitesi, Postgraduate, K.İmamoğlu(Student), 2011
- XVIII. SAYAR A., Eşle/İndirge Yaklaşımı İle Büyük Görüntüleri Örme Mimarisi”, Yüksek Lisans Tezi, Kocaeli Üniversitesi, Postgraduate, H.Sarı(Student), 2007

## Jury Memberships

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- I. Doctorate, Doctorate, Kocaeli University, December, 2023
- II. Doctorate, Doctorate, Kocaeli University, June, 2023
- III. Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Kocaeli Üniversitesi, June, 2023
- IV. Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Kocaeli Üniversitesi, May, 2023
- V. PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Kocaeli Üniversitesi, August, 2020
- VI. Post Graduate, Post Graduate, Kocaeli Üniversitesi, February, 2020
- VII. Post Graduate, Post Graduate, Kocaeli Üniversitesi, June, 2019
- VIII. Post Graduate, Post Graduate, Kocaeli Üniversitesi, May, 2019
- IX. Competition, Yılın Bilim İnsanı - Genç Bilim İnsanı Seçici Kurul Üyeliği, Bilim Kahramanları Derneği , April, 2019
- X. PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Kocaeli Üniversitesi, January, 2019
- XI. PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Kocaeli Üniversitesi, December, 2018
- XII. PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Kocaeli Üniversitesi, December, 2018
- XIII. PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Kocaeli Üniversitesi, June, 2018
- XIV. PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Kocaeli Üniversitesi, June, 2018
- XV. PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Kocaeli Üniversitesi, June, 2018
- XVI. PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Kocaeli Üniversitesi, April, 2018
- XVII. Competition, Bilim Kahramanları Derneği, 2018 Yılın Bilim İnsanı - Genç Bilim İnsanı , Kocaeli University, March, 2018
- XVIII. Post Graduate, Yüksek Lisans Tez Savunması, Yıldız Teknik Üniversitesi, January, 2016

## Research Infrastructure Information

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- I. Sayar A., Bigdata and Distributed Systems Laboratory, July 2021
- II. Sayar A., Görüntü İşleme Laboratuvarı, January 2012

## Published journal articles indexed by SCI, SSCI, and AHCI

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- I. **Street-Based Parking Lot Detection With Image Processing And Deep Learning**  
SAYAR A., Mustacoglu A. F.  
Signal, Image and Video Processing, vol.18, no.Suppl 1, pp.945-952, 2024 (SCI-Expanded)
- II. **Developing Web-Based Process Management with Automatic Code Generation**  
Uyanik B., SAYAR A.  
APPLIED SCIENCES-BASEL, vol.13, no.21, 2023 (SCI-Expanded)
- III. **A document image classification system fusing deep and machine learning models**  
Omurca S. İ., Ekinci E., Sevim S., Edinç E. B., EKEN S., SAYAR A.  
Applied Intelligence, vol.53, no.12, pp.15295-15310, 2023 (SCI-Expanded)
- IV. **Image-based locating and guiding for unmanned aerial vehicles using scale invariant feature transform, speeded-up robust features, and oriented fast and rotated brief algorithms**  
Bal B., Erdem T., Kul S., SAYAR A.  
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.34, no.9, 2022 (SCI-Expanded)
- V. **Figure search by text in large scale digital document collections**  
Yurtsever M. M. E., Ozcan M., Taruz Z., EKEN S., SAYAR A.  
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.34, no.1, 2022 (SCI-Expanded)
- VI. **Multimodel anomaly detection on spatio-temporal logistic datastream with open anomaly detection architecture**  
Oktay T., Yogurtcuoglu E., Sarikaya R. N., KARACA A. C., Komurcu M. F., SAYAR A.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.186, 2021 (SCI-Expanded)
- VII. **A MapReduce-based distributed and scalable framework for stitching of satellite mosaic images**  
EKEN S., SAYAR A.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.14, no.18, 2021 (SCI-Expanded)
- VIII. **Event-Based Microservices With Apache Kafka Streams: A Real-Time Vehicle Detection System Based on Type, Color, and Speed Attributes**  
KUL S., Tashiev I., Sentas A., SAYAR A.  
IEEE ACCESS, vol.9, pp.83137-83148, 2021 (SCI-Expanded)
- IX. **A reproducible educational plan to teach mini autonomous race car programming**  
EKEN S., Şara M., Satılmış Y., Karşlı M., Tufan M. F., Menhour H., SAYAR A.  
International Journal of Electrical Engineering Education, vol.57, no.4, pp.340-360, 2020 (SCI-Expanded)
- X. **Image-processing-based tool for carbide dissolution analysis in bearing steels**  
Gezmişoglu A. E., EKEN S., SAYAR A., ERİŞİR E.  
EMERGING MATERIALS RESEARCH, vol.9, no.1, pp.31-36, 2020 (SCI-Expanded)
- XI. **Resource- and content-aware, scalable stitching framework for remote sensing images**  
EKEN S., MERT U., Kosunalp S., SAYAR A.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.12, no.6, 2019 (SCI-Expanded)
- XII. **A MapReduce-Based Big Spatial Data Framework for Solving the Problem of Covering a Polygon with Orthogonal Rectangles**  
EKEN S., SAYAR A.  
TEHNICKI VJESNIK-TECHNICAL GAZETTE, vol.26, no.1, pp.36-42, 2019 (SCI-Expanded)
- XIII. **Idle Time Estimation for Bandwidth-Efficient Synchronization in Replicated Distributed File System**  
GULAGIZ F., EKEN S., KAVAK A., SAYAR A.  
INTERNATIONAL ARAB JOURNAL OF INFORMATION TECHNOLOGY, vol.15, no.2, pp.177-185, 2018 (SCI-Expanded)
- XIV. **A Framework for Recognition and Animation of Chess Moves Printed on a Chess Book**  
EKEN S., KARABAS A., SARI H., SAYAR A.  
INTERNATIONAL ARAB JOURNAL OF INFORMATION TECHNOLOGY, vol.15, no.1, pp.29-36, 2018 (SCI-Expanded)
- XV. **Distributed and collaborative real-time vehicle detection and classification over the video streams**  
KUL S., EKEN S., SAYAR A.  
INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS, vol.14, no.4, 2017 (SCI-Expanded)
- XVI. **A distributed map animation framework for spatiotemporal datasets**  
SAYAR A.

- TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.2, pp.683-694, 2016 (SCI-Expanded)
- XVII. **Ant-based interactive workflow management: a case study on RMI**  
Sayar A.  
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.28, no.7, pp.1329-1339, 2015 (SCI-Expanded)
- XVIII. **An automated technique to determine spatio-temporal changes in satellite island images with vectorization and spatial queries**  
EKEN S., SAYAR A.  
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.40, no.1, pp.121-137, 2015 (SCI-Expanded)
- XIX. **Kd-tree and quad-tree decompositions for declustering of 2D range queries over uncertain space**  
SAYAR A., EKEN S., OZTURK O.  
FRONTIERS OF INFORMATION TECHNOLOGY & ELECTRONIC ENGINEERING, vol.16, no.2, pp.98-108, 2015 (SCI-Expanded)
- XX. **Hadoop optimization for massive image processing: Case study face detection**  
Demir I., SAYAR A.  
International Journal of Computers, Communications and Control, vol.9, no.6, pp.664-671, 2014 (SCI-Expanded)
- XXI. **The performance of BALISTIKA 2010 system for 9 mm x 19 mm and 7.65 mm x 17 mm cartridge case correlation**  
Ogunc G. I., Oralli A., Kara H., Sayar A., Sakarya U., Arican Y. E.  
FORENSIC SCIENCE INTERNATIONAL, vol.232, pp.104-110, 2013 (SCI-Expanded)
- XXII. **Adaptive proxy map server for efficient vector spatial data rendering**  
Sayar A.  
JOURNAL OF APPLIED REMOTE SENSING, vol.7, 2013 (SCI-Expanded)
- XXIII. **An Adaptive Range query Optimization Technique with Distributed Replicas**  
SAYAR A., MARLON P., GEOFFREY F.  
Journal Of Central South University Of Technology, vol.21, pp.190-198, 2013 (SCI-Expanded)
- XXIV. **Algorithms and the Grid**  
Fox G. C., Aktas M. S., Aydin G., Gadgil H., Pallickara S., Pierce M. E., Sayar A.  
Computing and Visualization in Science, vol.12, no.3, pp.115-124, 2009 (SCI-Expanded)
- XXV. **Building and applying geographical information system Grids**  
Aydin G., Sayar A., Gadgil H., Aktas M. S., Fox G. C., Ko S., Bulut H., Pierce M. E.  
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.20, no.14, pp.1653-1695, 2008 (SCI-Expanded)
- XXVI. **The QuakeSim project: Web services for managing geophysical data and applications**  
Pierce M. E., Fox G. C., Aktas M. S., Aydin G., Gadgil H., Qi Z., Sayar A.  
PURE AND APPLIED GEOPHYSICS, vol.165, pp.635-651, 2008 (SCI-Expanded)
- XXVII. **ISERVO: Implementing the International Solid Earth Research Virtual Observatory by integrating computational grid and geographical information Web Services**  
Aktas M., Aydin G., Donnellan A., Fox G., Granat R., Grant L., Lyzenga G., McLeod D., Pallickara S., Parker J., et al.  
PURE AND APPLIED GEOPHYSICS, vol.163, pp.2281-2296, 2006 (SCI-Expanded)
- XXVIII. **Grids for real time data applications**  
Fox G. C., Aktas M. S., Aydin G., Bulut H., Gadgil H., Oh S., Pallickara S., Pierce M. E., Sayar A., Zhai G.  
PARALLEL PROCESSING AND APPLIED MATHEMATICS, vol.3911, pp.320-332, 2006 (SCI-Expanded)

## Articles Published in Other Journals

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- I. **Docker Container-Based Framework of Apache Kafka Node Ecosystem: Vehicle Tracking System by License Plate Recognition on Surveillance Camera Feeds**  
Kul S., Kumcu S., SAYAR A.  
International Journal of Intelligent Transportation Systems Research, vol.22, no.2, pp.290-297, 2024 (ESCI)

- II. **An OCR Engine for Printed Receipt Images using Deep Learning Techniques**  
Sayallar C., SAYAR A., Babalık N.  
International Journal of Advanced Computer Science and Applications, vol.14, no.2, pp.833-840, 2023 (ESCI)
- III. **Multi-Class Document Image Classification using Deep Visual and Textual Features**  
Sevim S., Ekinci E., İLHAN OMURCA S., Edinc E. B., EKEN S., Erdem T., SAYAR A.  
INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE AND APPLICATIONS, vol.21, no.02, 2022 (ESCI)
- IV. **Yapay Sinir Ağları, Destek Vektör Makineleri ve AdaBoost Algoritması ile Araç Sınıflandırmasının Değerlendirilmesi**  
KUL S., SAYAR A.  
European Journal of Science and Technology, vol.29, pp.299-303, 2021 (Peer-Reviewed Journal)
- V. **Current Research Areas in Blockchain**  
DİKİLİTAŞ Y., Toka K. O., SAYAR A.  
European Journal of Science and Technology, vol.26, 2021 (Peer-Reviewed Journal)
- VI. **Performance evaluation of support vector machine and convolutional neural network algorithms in real-time vehicle type and color classification**  
Şentaş A., Tashiev I., Küçükayvaz F., KUL S., EKEN S., SAYAR A., BECERİKLİ Y.  
EVOLUTIONARY INTELLIGENCE, vol.13, no.1, pp.83-91, 2020 (ESCI)
- VII. **Performance Evaluation of Support Vector Machine and Convolutional Neural Network Algorithms in Real-time Vehicle Type Classification**  
Şentaş A., Tashiev I., Küçükayvaz F., Kul S., Eken S., Sayar A., Becerikli Y.  
Evolutionary Intelligence Journal, vol.13, pp.83-91, 2020 (Peer-Reviewed Journal)
- VIII. **Automatic Structure Recognition on Digital Documents and Adapting to Different Contents: Case Study on Resumes**  
Kantarci A., EKEN S., SAYAR A.  
European Journal of Science Technology, vol.13, no.17, pp.1313-1324, 2019 (Peer-Reviewed Journal)
- IX. **Dna Dizilerinin Benzetim Yolu İle Karşılaştırılması - Comparison of DNA Sequences Using Simulation**  
CANTEKİN Ç., SAYAR A., ULU A.  
Veri Bilimi Dergisi, vol.1, pp.15-19, 2018 (Peer-Reviewed Journal)
- X. **The cloned cartridge case correlation performance of a computerized ballistic identification systems**  
Ogunc G. I., Sakarya U., Oralli A., Sayar A., Yilmaz A., Usta S.  
AFTE Journal, vol.50, no.4, pp.221-229, 2018 (Scopus)
- XI. **DocDig: Dijitalleştirilmiş Dokümanlarda İçerik Tabanlı Figür Arama**  
BURAK A., BÜŞRA CEREN S., EKEN S., SAYAR A.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.6, pp.68-78, 2018 (Peer-Reviewed Journal)
- XII. **An Approach For Stitching Satellite Images In A Bigdata Mapreduce Framework**  
Sarı H., Eken S., Sayar A.  
ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences Journal, vol.44, pp.351-355, 2017 (Peer-Reviewed Journal)
- XIII. **Distributed Feature Extraction Tool For High Spatial Resolution Remote Sensing Images**  
EKEN S., AYDIN E., SAYAR A.  
ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences Journal, vol.44, pp.209-213, 2017 (Peer-Reviewed Journal)
- XIV. **Big Data Frameworks for Efficient Range Queries to Extract Interested Rectangular Sub Regions**  
EKEN S., SAYAR A.  
International Journal of Computer Applications, vol.119, pp.36-39, 2015 (Peer-Reviewed Journal)
- XV. **A Novel Web based Dynamic Portal Portlet Architecture**  
MUSTAFA U., SAYAR A.  
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.30, pp.234-239, 2014 (Peer-Reviewed Journal)
- XVI. **XML Anahtar Kelimeleri Yardımıyla Türkçe Aritmetik Problemlerin Anlaşılması ve Çözülmesi**  
EKEN S., EKİNCİ E., SAYAR A.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.2, no.1, pp.48-55, 2014 (Peer-Reviewed Journal)

- XVII. **Designing a Web Based Smart Bus Stop System**  
EKEN S., SAYAR A.  
Selcuk University Journal of Engineering ,Science and Technology, vol.2, pp.57, 2014 (Peer-Reviewed Journal)
- XVIII. **WEB TABANLI AKILLI BİR DURAK SİSTEMİNİN GERÇEKLENMESİ**  
EKEN S., SAYAR A.  
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- LXV. **HIPI ile Dagitik görüntü isleme çatisi: yüz bölgelerine ait biometrileri saptama performansinin incelenmesi**  
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- LXVIII. **Service Oriented Warning System for Detection of Abandoned Object in Video Surveillance**  
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- LXIX. **A Method for Localization of Computational Node and Proxy Server in Educational Data Synchronization**  
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- LXX. **Estimation of Idle Time for Synchronization: A Case Study on Fatih Project**  
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- LXXV. **Evaluation of RTT based Clustering Methods for Data Synchronization between Proxy Cloud Servers and Tablets**  
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- LXXXIII. **Detection of road boundaries and obstacles using LIDAR**  
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- LXXXV. **A Smart Bus Tracking System Based on Location-Aware Services and QR Codes**  
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- LXXXVII. **A service oriented framework for animating big spatiotemporal datasets**  
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- XC. **Web based Tool for Interactive Analysis of Crime Data on the Maps**  
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- XCII. **Analyzing Distributed File Synchronization Techniques for Educational Data**  
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- CI. Vector Modeling of Island Satellite Images for Spatial Databases**  
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- CII. A Web based System for Locating Missing Persons through Mobile Tools and GPS**  
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- CV. Ant based interactive tools for workflow management**  
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- CVI. High performance federated service oriented geographic information systems**  
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- CVII. Image Annotation With Semi-Supervised Clustering**  
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- CVIII. Image Annotation with Semi-Supervised Clustering**  
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- CX. Building sensor filter grids: Information architecture for the data deluge**  
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- CXIX. Developing GIS Visualization Web Services for Geophysical Applications**  
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- CXX. Implementing Geographical Information System Grid Services to Support Computational Geophysics in a Service Oriented Environment**  
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- II. EKEN S., SOLAK S., SAYAR A., Project Supported by Higher Education Institutions, Bebek Videolarındaki Bebeklerin Beden Dilini OpenPose Tabanlı Gerçek Zamanlı Çözme, 2020 - 2021

- III. Sayar A., Kurt A., Çelik O., Güler O., TUBITAK Project, İnsan Kaynaklarında Doğru İşe Doğru Personel Bulma Otomasyonu, 2020 - 2021
- IV. Sayar A., Orhan M. G., TUBITAK Project, Derin Öğrenme ile sanal terazi, 2020 - 2021
- V. Sayar A., Balbars A., Şenel A. İ., TUBITAK Project, Trafik Gözetleme Kameralarından Görüntü İşleme ile Kaza Anında Araç Hız Tespiti, 2020 - 2021
- VI. Sayar A., Erten K., Çakır M., Sarı P., TUBITAK Project, Nesnelerin İnterneti Altyapılarının (IoT) Blokszincir Entegrasyonu, 2020 - 2021
- VII. Sayar A., Odacı A. E., Abdi Y., Hutoğlu T., TUBITAK Project, IHA'lar Üzerindeki Tek Kamera Görüntüsünden Nesne Boyut Tahmini, 2020 - 2021
- VIII. Sayar A., Eken A., Yıldız F., Oğuz M., Mutlu Ş. N., TUBITAK Project, Gerçek Zamanlı Akan Lojistik Verileri Kullanılarak Güzergah Takibi ve Sürücü Davranış Kalıpları Kapsamında Yasal Olmayan Durum ve Sürücülerin Tespiti, 2020 - 2021
- IX. İLHAN OMURCA S., SAYAR A., GÜLTEKİN A., EKİNCİ E., EKEN S., Project Supported by Higher Education Institutions, KOÜDOS Farklı Programlara Yapılan Başvuru Dosyalarının Doğrulanması, 2020 - 2021
- X. Eken S., İlhan Omurca S., Sayar A., Ekinci E., Gültekin A., Project Supported by Higher Education Institutions, KOÜDOS Farklı Programlara Yapılan Başvuru Dosyalarının Doğrulanması (KOÜ BAP), 2020 - 2021
- XI. SAYAR A., Ar-Ge Çalışması Faaliyetleri, 2020 - 2021
- XII. BECERİKLİ Y., AKDENİZ F., SAYAR A., KIR SAVAŞ B., KUL S., MADADUM H., Project Supported by Higher Education Institutions, 2019-GÖRÜNTÜ İŞLEME VE BİLGİSAYAR GÖRMESİ ARGE LABORATUVARI, 2019 - 2020
- XIII. Eken S., Sayar A., Project Supported by Higher Education Institutions, CUDA destekli grafik işlem birimi üzerinde Yapay Alg algoritmasının paralelleştirilmesi (KOÜ BAP), 2019 - 2020
- XIV. Sayar A., Denizgez T. M., Kamiloğlu O., TUBITAK Project, Elyordamı:Görme Engellilere Cep Telefonu ile Nesne Arama, 2019 - 2020
- XV. Sayar A., Manga A., Kaplan R., Esenalp Z., TUBITAK Project, Zararlı Powershell Komutlarının Tespit Edilmesi, 2019 - 2020
- XVI. Sayar A., Akbey M., Tokdemir N., Soğukpınar Ö., TUBITAK Project, Bir aracın eds kamera işbirliği ile saatlik ortalama hızını hesplama, 2019 - 2020
- XVII. Sayar A., Cebbar K., Gülmez G., TUBITAK Project, Ameliyathanelerde Ses ve Görüntü Teknolojilerinin Kullanımı, 2019 - 2020
- XVIII. Sayar A., Bal B., Erdem T., TUBITAK Project, İnsansız Hava ve Kara Araçları İçin Görüntü İle Yer Tespiti ve Yönlendirme, 2019 - 2020
- XIX. Sayar A., Yurtsever M. E., Taruz Z., Özcan M., TUBITAK Project, Dijital Dokümanlar Üzerinde Metin ile İmge Arama, 2019 - 2020
- XX. Sayar A., Çorapçı M. A., Zeyrek Y., Göl A. H., TUBITAK Project, Özgeçmişe Göre Otonom İş Arama ve İş Teklifi, 2019 - 2020
- XXI. Sayar A., Topçu M., Dede A., TUBITAK Project, UYGAR: Uydu Görüntüsü Arama., 2019 - 2020
- XXII. Eken S., Sayar A., Project Supported by Higher Education Institutions, MLRSnet: Kapsül Ağları Kullanarak Çok Etiketli Uzaktan Algılama Görüntü Geri Getirimi (KOÜ BAP), 2019 - 2020
- XXIII. Eken S., Sayar A., Project Supported by Higher Education Institutions, Dijital Dokümanlar Üzerinde Otomatik Biçim Tanıma ve Farklı İçeriklere Uyarlama: Özgeçmişler Üzerinde Durum Çalışması (KOÜ BAP), 2018 - 2019
- XXIV. Eken S., Sayar A., Project Supported by Higher Education Institutions, Google Streetview Görüntülerinden Derin Öğrenme Tabanlı Kocaeli Üniversitesi İçi Navigasyon Uygulaması (KOÜ BAP), 2018 - 2019
- XXV. SAYAR A., Project Supported by Higher Education Institutions, GOOGLE STREETVIEW GÖRÜNTÜLERİNDEN DERİN ÖĞRENME TABANLI KOCAELİ ÜNİVERSİTESİ İÇİ NAVİGASYON UYGULAMASI, 2018 - 2019
- XXVI. Sayar A., Satılmış Y., Karşlı M., TUBITAK Project, Görme ve Duyma Engelli Bireylerin Birbirleri ile İletişimi, 2018 - 2019
- XXVII. SAYAR A., Project Supported by Higher Education Institutions, OPENZEKA MARC YARIŞLARI İÇİN MİNİ OTONOM ARAÇ TASARIMI VE ÜRETİMİ, 2017 - 2018
- XXVIII. Eken S., Sayar A., Project Supported by Higher Education Institutions, OpenZeka MARC Yarışları için Mini Otonom Araç Tasarımı ve Üretimi (KOÜ BAP), 2017 - 2018
- XXIX. Sayar A., Şaylan D., Kılış B., Aslan H., TUBITAK Project, Akademik Alıntılama Sosyal Ağı, 2017 - 2018

- XXX. Sayar A., Polat H. M., Özer M. E., Sertel K., Yılmaz S. T., TUBITAK Project, Akıllı Telefon ile Nesne Arama, 2017 - 2018
- XXXI. Sayar A., Eken S., Aküzüm B., TUBITAK Project, Çeliklerde Çökelti Boyut ve Dağılımının Analizi İçin Yazılım Geliştirilmesi (TÜBİTAK 2209-A), 2017 - 2018
- XXXII. Sayar A., Becerikli Y., TUBITAK Project, Gerçek Zamanlı Dağıtık ve Ölçeklenebilir Araç Arama-Tanıma Sistemi (TÜBİTAK 1005), 2017 - 2018
- XXXIII. Sayar A., Münüklü M., Dönmez Y., Şentaş A., Küçükayvaz F., TUBITAK Project, TIDETS: Trafik İhlalleri Tespit Sistemi, 2007 - 2018
- XXXIV. Eken S., Sayar A., Project Supported by Higher Education Institutions, Mobese Kameraları Üzerinden Dağıtık Mesajlaşma Protokolüyle Gerçek Zamanlı Nesne Sınıflandıran Akıllı Trafik Sistemi (KOÜ BAP), 2016 - 2017
- XXXV. Sayar A., Karadeniz F., Barış A., TUBITAK Project, CepGöz Görme engellilere akıllı cep telefonları üzerinden gerçek zamanlı görüntü ses aktarımı ile yardımcı, 2015 - 2016
- XXXVI. Sayar A., Açıkalın Ş., TUBITAK Project, Sparkegg Büyük Miktardaki Uyku Evre Verilerinin Dağıtık Mimaride Sınıflandırılması, 2015 - 2016
- XXXVII. Sayar A., Kavak A., Şahin S., TUBITAK Project, Yerel Bulut Sunucu Tabanlı Etkin Bir Veri Saklama Ve İçerik Dağıtım Yönetimi Sistemi (TÜBİTAK 1003), 2013 - 2015
- XXXVIII. Eken S., Sayar A., Project Supported by Higher Education Institutions, Uydu Mozaik Ada Görüntülerinden Adaların Tespiti ve Yüksek Başarımlı Zaman-Mekansal Analizler için Vektörel Modellenmesi (KOÜ BAP), 2013 - 2015
- XXXIX. Other International Funding Programs, Service Oriented Architecture for Energy Simulations Software, 2005 - 2008
- XL. Other International Funding Programs, ServoGrid Solid Earth Research Virtual Observatory, 2003 - 2006

## Activities in Scientific Journals

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- I. FRONTIERS IN BIG DATA, Assistant Editor/Section Editor, 2023 - Continues
- II. International Journal of Computer Engineering Research, Editor, 2018 - Continues
- III. American Journal of Engineering and Applied Sciences, Assistant Editor/Section Editor, 2017 - Continues
- IV. Journal of Aircraft and Spacecraft Technology, Assistant Editor/Section Editor, 2017 - Continues
- V. Journal of Mechatronics and Robotics, Assistant Editor/Section Editor, 2017 - Continues
- VI. Journal of Geography, Environment and Earth Science International, Editor, 2017 - Continues
- VII. Kocaeli Journal of Science and Engineering, Assistant Editor/Section Editor, 2017 - Continues
- VIII. Turkish Journal of Electrical Engineering and Computer Science, Special Issue Editor, 2015 - 2015
- IX. Turkish Journal of Electrical Engineering and Computer Science, Special Issue Editor, 2012 - 2012

## Memberships / Tasks in Scientific Organizations

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- I. TÜBİTAK Bilteç Yürütme Kurulu Üyesi, Executive Board Member, 2021 - Continues, Turkey
- II. KOSGEB, Member of Science Committee, 2016 - Continues
- III. Türkiye Cumhuriyeti Cumhurbaşkanlığı BTYPK Büyük Veri ve Bulut Bilişim Teknoloji Yol Haritası (TYH) Danışma Kurulu, Member of Advisory Board, 2021 - 2022, Turkey
- IV. Kocaeli Üniversitesi Fen Bilimleri Enstitüsü, Board Member, 2016 - 2019, Turkey
- V. Tübitak Teydeb Bilteç danışma kurulu üyeliği, Member of Advisory Board, 2017 - 2018

## Scientific Refereeing

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- I. TUBITAK Project, 3501 - National Young Researcher Career Development Program, Kocaeli University, Turkey, December 2023
- II. KOSGEB, Kocaeli University, Turkey, August 2023

- III. 12. International Conference on Data Science, Technology and Applications (Data 2023), Conference Paper (Full Text), July 2023
- IV. TUBITAK Project, 3501 - National Young Researcher Career Development Program, Kocaeli University, Turkey, July 2023
- V. TUBITAK Project, 3501 - National Young Researcher Career Development Program, Kocaeli University, Turkey, July 2023
- VI. Completed Research Project, Üniversitelerarası Kurul Başkanlığı, Kocaeli University, Turkey, July 2023
- VII. TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Kocaeli University, Turkey, June 2023
- VIII. TUBITAK Project, 1509 - TÜBİTAK International Industry R&D Projects Support Program, Kocaeli University, Turkey, May 2023
- IX. TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Türkiye Bilimsel ve Teknolojik Araştırma Kurumu, Turkey, April 2023
- X. Türkiye Bilişim Vakfı Bilgisayar Bilimleri ve Mühendisliği Dergisi , Other Journals, May 2022
- XI. JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING, Journal Indexed in SCI-E, April 2022
- XII. 13th International Conference on Electrical and Electronics Engineering - Elektrik, Elektronik ve Biyomedikal Mühendisliği Konferansı, Conference Paper (Full Text), November 2021
- XIII. Project Supported by Higher Education Institutions, BAP Research Project, Sakarya University, Turkey, November 2021
- XIV. CONCURRENCY COMPUTATION PRACTICE AND EXPERIENCE, Journal Indexed in SCI-E, October 2021
- XV. 29. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU 2021), Conference Paper (Full Text), October 2021
- XVI. CONCURRENCY COMPUTATION PRACTICE AND EXPERIENCE, Journal Indexed in SCI-E, October 2021
- XVII. Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı (ASYU 2021), Conference Paper (Full Text), October 2021
- XVIII. Innovations in Intelligent Systems and Applications Conference (ASYU 2021), Conference Paper (Full Text), October 2021
- XIX. 8th Annual International Conference on Information Technology and Applications [ITA 2021], Conference Paper (Full Text), September 2021
- XX. International Symposium on INnovations in Intelligent SysTems and Applications, (INISTA 2021), Conference Paper (Full Text), August 2021
- XXI. TUBITAK Project, 1501 - Industry R & D Projects Support Program, Kocaeli University, Turkey, August 2021
- XXII. EXPERT SYSTEMS, Journal Indexed in SCI-E, July 2021
- XXIII. Project Supported by Higher Education Institutions, BAP Research Project, Istanbul Technical University, Turkey, May 2021
- XXIV. Doors 2021 Edge Computing Workshop, Conference Paper (Full Text), April 2021
- XXV. Project Supported by Higher Education Institutions, BAP Research Project, Sakarya University, Turkey, April 2021
- XXVI. TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Kocaeli University, Turkey, March 2021
- XXVII. TUBITAK Project, 2237 - Program for Supporting Project Training Activities, Kocaeli University, Turkey, March 2021
- XXVIII. CONCURRENCY COMPUTATION PRACTICE AND EXPERIENCE, Journal Indexed in SCI-E, February 2021
- XXIX. CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, Journal Indexed in SCI-E, February 2021
- XXX. Project Supported by Higher Education Institutions, BAP Research Project, Izmir Katip Celebi University, Turkey, February 2021
- XXXI. MOBILE INFORMATION SYSTEMS, Journal Indexed in SCI-E, January 2021
- XXXII. ACM TRANSACTIONS ON INTELLIGENT SYSTEMS AND TECHNOLOGY, Journal Indexed in SCI-E, January 2021
- XXXIII. TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Kocaeli University, Turkey, December 2020
- XXXIV. TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Kocaeli University, Turkey, December 2020
- XXXV. 28. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU 2020), Conference Paper (Full Text), October 2020
- XXXVI. Innovations in Intelligent Systems and Applications Conference (ASYU 2020), Conference Paper (Full Text), October 2020

- XXXVII. TUBITAK Project, 1002 - Quick Support Program, Kocaeli University, Turkey, October 2020
- XXXVIII. TUBITAK Project, 1509 - TÜBİTAK International Industry R&D Projects Support Program, Kocaeli University, Turkey, September 2020
- XXXIX. KOSGEB, Kocaeli University, Turkey, August 2020
- XL. IEEE ACCESS, Journal Indexed in SCI-E, July 2020
- XLI. Technopark, Kocaeli University, Turkey, July 2020
- XLII. TUBITAK Project, 1501 - Industry R & D Projects Support Program, Kocaeli University, Turkey, June 2020
- XLIII. TUBITAK Project, 1501 - Industry R & D Projects Support Program, Kocaeli University, Turkey, February 2020
- XLIV. Technopark, Kocaeli University, Turkey, February 2020
- XLV. TUBITAK Project, 1501 - Industry R & D Projects Support Program, Kocaeli University, Turkey, February 2020
- XLVI. EXPERT SYSTEMS, Journal Indexed in SCI-E, January 2020
- XLVII. TUBITAK Project, 1501 - Industry R & D Projects Support Program, Kocaeli University, Turkey, January 2020
- XLVIII. TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Kocaeli University, Turkey, January 2020
- XLIX. TUBITAK Project, 1501 - Industry R & D Projects Support Program, Kocaeli University, Turkey, January 2020
- L. TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Kocaeli University, Turkey, November 2019
- LI. TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Kocaeli University, Turkey, November 2019
- LII. TUBITAK Project, 1501 - Industry R & D Projects Support Program, Kocaeli University, Turkey, September 2019
- LIII. Technopark, Kocaeli University, Turkey, September 2019
- LIV. KOSGEB, Kocaeli University, Turkey, September 2019
- LV. TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Kocaeli University, Turkey, September 2019
- LVI. Technopark, Kocaeli University, Turkey, August 2019
- LVII. TUBITAK Project, SAYEM FAZ I, Kocaeli University, Turkey, July 2019
- LVIII. Technopark, Kocaeli University, Turkey, January 2019
- LIX. Technopark, Kocaeli University, Turkey, January 2019
- LX. TUBITAK Project, 3501 - National Young Researcher Career Development Program, Dr. Öğretim Üyesi Ahmet Şakir Dokuz, Turkey, June 2018
- LXI. Technopark, Yonca Bilişim Teknolojileri Ltd. Şti., Turkey, April 2018
- LXII. Project Supported by Other Official Institutions, Kocaeli University, Turkey, February 2018
- LXIII. Project Supported by Other Official Institutions, Kocaeli University, Turkey, January 2018
- LXIV. EU Supported Other Project, ITEA-3 Kümesi 4. Çağrısı (Eureka), Turkey, November 2017
- LXV. EU Supported Other Project, ITEA-3 Kümesi 4. Çağrısı (Eureka), Turkey, November 2017
- LXVI. TUBITAK Project, 1509 - TÜBİTAK International Industry R&D Projects Support Program, Kocaeli University, Turkey, November 2017
- LXVII. Project Supported by Other Official Institutions, Kocaeli University, Turkey, October 2017
- LXVIII. Project Supported by Other Official Institutions, Kocaeli University, Turkey, August 2017
- LXIX. Completed Research Project, Kocaeli Üniversitesi Etik Kurul , Kocaeli University, Turkey, July 2017
- LXX. Journal Of Computer Science, Other Indexed Journal, April 2017
- LXXI. Project Supported by Other Official Institutions, Kocaeli University, Turkey, February 2017
- LXXII. KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, January 2017
- LXXIII. Journal of Global Ecology and Environment, Other Indexed Journal, December 2016
- LXXIV. Project Supported by Other Official Institutions, Kocaeli University, Turkey, November 2016
- LXXV. International Journal Of Computer Engineering Research, Other Indexed Journal, October 2016
- LXXVI. Technopark, EDS Bilişim Sistemleri Sanayi ve Dış Ticaret Limited Şirketi,, Turkey, October 2016
- LXXVII. Technopark, Exastax Bilgi Teknolojileri San. Ve Tic. AŞ., Turkey, September 2016
- LXXVIII. Asian Journal of Agricultural Extension, Economics & Sociology, Other Indexed Journal, August 2016
- LXXIX. British Journal Of Education, Society & Behavioural Science, Other Indexed Journal, August 2016
- LXXX. Journal Of Geography, Environment And Earth Science International, Other Indexed Journal, July 2016
- LXXXI. Journal of Global Ecology and Environment, Other Indexed Journal, June 2016
- LXXXII. TUBITAK Project, 3001 - Initial R&D Projects Support Program, Kocaeli University, Turkey, June 2016
- LXXXIII. ENTERPRISE INFORMATION SYSTEMS, Journal Indexed in SCI-E, May 2016
- LXXXIV. Journal Of Geography, Environment And Earth Science International, Other Indexed Journal, April 2016

- LXXXV. 8. British Journal of Economics, Management and Trade, Other Indexed Journal, March 2016
- LXXXVI. British Journal of Economics, Management and Trade, Other Indexed Journal, March 2016
- LXXXVII. Journal of Geography and Regional Planning , Other Indexed Journal, March 2016
- LXXXVIII. International Journal Of Physical Sciences, Other Indexed Journal, February 2016
- LXXXIX. ENTERPRISE INFORMATION SYSTEMS, Journal Indexed in SCI-E, February 2016
- XC. 24. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU 2016), Conference Paper (Full Text), February 2016
- XCI. Journal Of Geography, Environment And Earth Science International, Other Indexed Journal, February 2016
- XCII. Journal Of Geography, Environment And Earth Science International, Other Indexed Journal, January 2016
- XCIII. ENTERPRISE INFORMATION SYSTEMS, Journal Indexed in SCI-E, January 2016
- XCIV. KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, September 2015
- XCV. Advances In Research, Other Indexed Journal, June 2015
- XCVI. Asian Journal Of Mathematics And Computer Research , Other Indexed Journal, June 2015
- XCVII. APPLIED SOFT COMPUTING JOURNAL, Journal Indexed in SCI-E, June 2014
- XCVIII. TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Kocaeli University, Turkey, December 2012
- XCIX. TUBITAK Project, 1509 - TÜBİTAK International Industry R&D Projects Support Program, Kocaeli University, Turkey, June 2012
- C. JOURNAL OF ZHEJIANG UNIVERSITY-SCIENCE B, Journal Indexed in SCI-E, June 2008
- CI. Journal of Wireless Communication and Mobile Computing, Other Indexed Journal, January 2007

## Scientific Consultations

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- I. Türk Havacılık ve Uzay Sanayii (TÜSAŞ) , Project Consultancy, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2022 - 2023
- II. TÜBİTAK, Project Consultancy, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2020 - 2021
- III. TÜBİTAK, Project Consultancy, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2020 - 2021
- IV. TÜBİTAK, Project Consultancy, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2020 - 2021
- V. TÜBİTAK, Project Consultancy, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2020 - 2021
- VI. TÜBİTAK, Project Consultancy, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2020 - 2021
- VII. TÜBİTAK, Project Consultancy, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2020 - 2021

## Metrics

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Publication: 199  
Citation (WoS): 284  
Citation (Scopus): 592  
H-Index (WoS): 9  
H-Index (Scopus): 13

## Congress and Symposium Activities

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- I. 4th annual International Conference on Information Technology and Applications[ITA 2017], Attendee,



Guangdong, China, 2016

- II. 22. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU 2014), Attendee, Trabzon, Turkey, 2014

## Awards

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- I. Sayar A., TÜBİTAK 2242 Üniversite Öğrencileri Araştırma Proje Yarışması - Akıllı Şehirler ve Ulaşım Kategorisinde Bölge birinciliği, Tübitak, September 2019
- II. Sayar A., OpenZeka MARC (Mini Otonom Araç Yarışması) - 4.lük Ödülü, Openzeka, March 2019
- III. Sayar A., 4. Uluslararası AR-GE Proje Pazarı '18 (SANTEK2018) Proje yarışmasında 3.lük Ödülü, Santek, November 2018
- IV. Sayar A., PARDUS Dosya Sınıflandırma ve Analiz (DoSA) Açık Inovasyon Yarışması'nda Türkiye Birinciliği, Havelsan, June 2018
- V. Sayar A., OpenZeka MARC (Mini Otonom Araç Yarışması) - 5.lük Ödülü, Openzeka, May 2018
- VI. Sayar A., Yavuz A., Akademik Çalışmalara Dağıtık Mimari Tabanlı Otomatik Hakem Atama Sistemi, 10.14.4. Tübitak 2242 Üniversite Öğrencileri Yazılım Projeleri Yarışması, Bilimsel Çözümler Kategorisi, July 2016
- VII. Sayar A., Tübitak 2242 Üniversite Öğrencileri Yazılım Projeleri Yarışması, Bilimsel Çözümler Kategorisi, 2.lük ödülü, Tübitak, June 2016
- VIII. Sayar A., Tübitak Yayın Teşvik Ödülü, Tübitak, June 2016
- IX. Sayar A., Tübitak Yayın Teşvik Ödülü, Tübitak, July 2015
- X. Sayar A., Tübitak Yayın Teşvik Ödülü, Tübitak, March 2014
- XI. Sayar A., Tübitak Yayın Teşvik Ödülü, Tübitak, January 2013

## Coaching Duties

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## Refereeing Duties

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## Non Academic Experience

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- I. TUBITAK, scientific and technological research council of turkey (tubitak), Bilteg Yürütme Kurulu
- II. Kuveyttürk
- III. Company, Kuveyttürk Participation Bank, Ar-Ge
- IV. TUBITAK, scientific and technological research council of turkey (tubitak), BİLTEG
- V. Non-profit Organisation, Bilim Kahramanları Derneği, Bilim Kahramanları Derneği
- VI. Municipality, Kocaeli Büyükşehir Belediyesi, Mehmet Ali Kağıtçı Innprvative design and Project Competition
- VII. State Agency, Los Alamos American National Laboratuvarı, Decision Applications Devision
- VIII. Non-profit Organisation, The Chamber of Electrical Engineers (EMO), The Chamber of Electrical Engineers (EMO)
- IX. Indiana Universitesi Community Grids Labaratuarlari
- X. Los Alamos National Lab. (LANL)
- XI. State Economic Enterprise SEE, İstanbul Gaz Dağıtık Anonim Şirketi (İgdaş), Information and Technologies
- XII. İstanbul Gaz Dağıtım Anonim Şirketi (IGDAS)