

## Prof. AHMET YARDIMCI

### Personal Information

**Office Phone:** [+90 242 249 6928](tel:+902422496928)

**Email:** [yardimci@akdeniz.edu.tr](mailto:yardimci@akdeniz.edu.tr)

**Web:** <https://avesis.akdeniz.edu.tr/yardimci>

**Address:** Akdeniz Üniversitesi Tıp Fakültesi Temel Tıp Bilimleri Bölümü Biyoistatistik ve Tıp Bilişimi Anabilim Dalı Kampüs  
07058 ANTALYA

### International Researcher IDs

ORCID: 0000-0001-7241-4913

Publons / Web Of Science ResearcherID: B-9568-2016

ScopusID: 55987321400

Yoksis Researcher ID: 128658

### Education Information

Post Doctorate, Chiba Üniversitesi, Research Center For Frontier Medical Engineering, Medikal Sistem Mühendisliği,  
Japan 2005 - 2006

Doctorate, Sakarya University, Institute Of Science, Elektrik-Elektronik Mühendisliği, Turkey 1997 - 2001

Postgraduate, Sakarya University, Institute Of Science, Elektronik Bilgisayar Eğitimi, Turkey 1995 - 1997

### Foreign Languages

Japanese, B1 Intermediate

English, B2 Upper Intermediate

### Dissertations

Doctorate, Mikrokontrolör Tabanlı Bulanık Mantık Sevofluran Anestezisi Kontrol Sistemi , Sakarya University, Fen  
Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, 2001

Postgraduate, Infra-red Transmisyonlu bir EKG Telemetri Sistemi, Akdeniz University, Institute of Science, Elektronik  
Bilgisayar Eğitimi, 1995

### Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biostatistics and Medical Informatics, Information Systems,  
Communication and Control Engineering, Control and System Engineering, Computer Sciences, Artificial Intelligence,  
Computer Learning and Pattern Recognition, Fuzzy Sets and Systems, Biomedical Engineering, Rehabilitation,  
Rehabilitation, Telemedicine, Engineering and Technology

### Academic Titles / Tasks

Professor, Akdeniz University, Faculty of Medicine, Temel Tıp Bilimleri, 2017 - Continues

Associate Professor, Akdeniz University, Faculty of Medicine, Temel Tıp Bilimleri, 2012 - 2017

Assistant Professor, Akdeniz University, Technical Sciences Vocational School, Biyomedikal Cihaz Teknolojisi Programı, 2002 - 2012

Lecturer, Akdeniz University, Technical Sciences Vocational School, Kontrol Sistemleri Teknolojisi, 1996 - 2001

Expert, Akdeniz University, Technical Sciences Vocational School, Kontrol Sistemleri Teknolojisi, 1994 - 1996

## Academic and Administrative Experience

Akdeniz University, Tıp Fakültesi, Temel Tıp Bilimleri, 2013 - Continues

Akdeniz University, Technical Sciences Vocational School, 2005 - 2016

Akdeniz University, Technical Sciences Vocational School, 2004 - 2005

## Courses

Tıpta Esnek Hesaplama Teknikleri, Doctorate, 2019 - 2020

Geroteknoloji, Doctorate, 2019 - 2020

Medikal Enstrümantasyon, Doctorate, 2019 - 2020

Uygulamalı Bulanık Mantık, Doctorate, 2018 - 2019

Sağlık Bilgi Standartları, Postgraduate, 2015 - 2016

Sistem Analizi ve Tasarımı, Associate Degree, 2015 - 2016

Yaşam Destek Cihazları, Associate Degree, 2015 - 2016

Fizyolojik Sinyal İzleyiciler, Associate Degree, 2015 - 2016

Dönem 1 Bilişim, Undergraduate, 2014 - 2015

Dönem III 5B Tıp Bilişimi, Undergraduate, 2014 - 2015

Hemşirelik Bilişimi, Undergraduate, 2014 - 2015

Doğru Akım Devre Analizi, Associate Degree, 2013 - 2014

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

- I. **Prediction of Antibiotic Resistance in Patients With a Urinary Tract Infection: Algorithm Development and Validation**  
İlhanlı N., Park S. Y., Kim J., Ryu J. A., Yardımcı A., Yoon D.  
JMIR Medical Informatics, vol.12, pp.1-11, 2024 (SCI-Expanded)
- II. **Examination of behavioral intention toward E-learning: a case of University of the Third Age students**  
İbili E., İlhanlı N., Zayim N., Yardımcı A.  
EDUCATIONAL GERONTOLOGY, no.-, pp.1-20, 2022 (SSCI)
- III. **New families of special numbers and polynomials arising from applications of p-adic q-integrals**  
Kim D., Ayna H. O., ŞİMŞEK Y., YARDIMCI A.  
ADVANCES IN DIFFERENCE EQUATIONS, vol.2017, 2017 (SCI-Expanded)
- IV. **Rejection evaluation after renal transplantation using MR diffusion tensor imaging**  
Değer E., Çelik A., Dheir H., Turunc V., YARDIMCI A., Torun M., Cihangiroglu M.  
ACTA RADIOLÓGICA, vol.1, no.8, pp.1-8, 2017 (SCI-Expanded)
- V. **Identities for Korobov-type polynomials arising from functional equations and p-adic integrals**  
YARDIMCI A., ŞİMŞEK Y.  
JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, vol.10, no.5, pp.2767-2777, 2017 (SCI-Expanded)
- VI. **Applications on the Apostol-Daehee numbers and polynomials associated with special numbers, polynomials, and p-adic integrals**

- ŞİMŞEK Y., YARDIMCI A.  
ADVANCES IN DIFFERENCE EQUATIONS, vol.2016, 2016 (SCI-Expanded)
- VII. **The use of mobile smart devices and medical apps in the family practice setting**  
Yaman H., YAVUZ E., ER A., VURAL R., ALBAYRAK Y., YARDIMCI A., Asilkan O.  
JOURNAL OF EVALUATION IN CLINICAL PRACTICE, vol.22, no.2, pp.290-296, 2016 (SCI-Expanded)
- VIII. **Using Bezier Curves in Medical Applications**  
SIMSEK B., YARDIMCI A.  
FILOMAT, vol.30, no.4, pp.937-943, 2016 (SCI-Expanded)
- IX. **A new Multiple ANFIS model for classification of hemiplegic gait.**  
Yardimci A., ASILKAN O.  
Studies in health technology and informatics, vol.205, pp.88-92, 2014 (SCI-Expanded)
- X. **A Data-Mining Approach for Investigating Social and Economic Geographical Dynamics of beta-Thalassemia's Spread**  
Akay A., Dragomir A., YARDIMCI A., Canatan D., Yesilipek A., Pogue B. W.  
IEEE TRANSACTIONS ON INFORMATION TECHNOLOGY IN BIOMEDICINE, vol.13, no.5, pp.774-780, 2009 (SCI-Expanded)
- XI. **Soft computing in medicine**  
Yardimci A.  
APPLIED SOFT COMPUTING, vol.9, no.3, pp.1029-1043, 2009 (SCI-Expanded)
- XII. **A fuzzy logic approach to assess groundwater pollution levels below agricultural fields**  
Muhammetoglu A., Yardimci A.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.118, no.1-3, pp.337-354, 2006 (SCI-Expanded)
- XIII. **An intraoperative fluid therapy fuzzy logic control system for renal transplantation**  
Yardimci A., Hadimioglu N.  
EUROPEAN JOURNAL OF CONTROL, vol.11, no.6, pp.572-585, 2005 (SCI-Expanded)
- XIV. **Microcontroller based fuzzy logic sevofluorane anesthesia control system**  
Yardimci A., Ferikoğlu A., Hadimioglu N.  
COMPUTATIONAL INTELLIGENCE: THEORY AND APPLICATIONS, PROCEEDINGS, vol.2206, pp.137-147, 2001 (SCI-Expanded)
- XV. **Fuzzy logic control of child blood pressure during anesthesia**  
Yardimci A., ONURAL A. Ş.  
COMPUTATIONAL INTELLIGENCE: THEORY AND APPLICATIONS, vol.1625, pp.701-703, 1999 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Prematüre Retina Kan Damarlarının Tespitinde Farklı Görüntü İşleme Yöntemlerinin Performanslarının Karşılaştırılması**  
SEZGİN E., ÜNCÜ Y. A., YARDIMCI A.  
SÜLEYMAN DEMIREL ÜNİVERSİTESİ FEN EDEBİYAT FAKÜLTESİ FEN DERGİSİ = SÜLEYMAN DEMIREL UNIVERSITY FACULTY OF ARTS AND SCIENCE JOURNAL OF SCIENCE, vol.18, no.2, pp.62-75, 2023 (Peer-Reviewed Journal)
- II. **Assesment of Computing -based Monitoring in Healthcare**  
YARDIMCI A.  
Global Journal of Technology, vol.9, pp.114-122, 2015 (Peer-Reviewed Journal)
- III. **Fuzzy Logic Based Gait Classification for Hemiplegic Patients**  
YARDIMCI A.  
LECTURE NOTES IN COMPUTER SCIENCE, vol.4723, pp.344-354, 2007 (Scopus)
- IV. **A Survey on Use of Soft Computing Methods in Medicine**  
YARDIMCI A.  
LECTURE NOTES IN COMPUTER SCIENCE, vol.4669, pp.69-79, 2007 (Scopus)

- V. **Fuzzy logic fluid therapy control system for renal transplantation**  
YARDIMCI A., HADİMİOĞLU N.  
Advances in Soft Computing, vol.33, pp.143-158, 2006 (Scopus)
- VI. **Ultrasound intensity and treatment time fuzzy logic control system for low cost effective ultrasound therapy devices**  
YARDIMCI A., ÇELİK O.  
Advances in Soft Computing, vol.33, pp.797-807, 2006 (Scopus)
- VII. **Depth control of desflurane anesthesia with cardiovascular-based an adaptive neuro-fuzzy system**  
YARDIMCI A., HADİMİOĞLU N., BİGAT Z., ÖZEN Ş.  
Advances in Soft Computing, vol.33, pp.787-796, 2006 (Scopus)
- VIII. **A fuzzy logic application to environment management system: A case study for goku streams water quality assesment**  
YARDIMCI A., MUHAMMETOĞLU A., OĞUZ H.  
Advances in Soft Computing, vol.33, pp.327-338, 2006 (Scopus)
- IX. **Bilgisayar ve Mikro-Denetleyici Tabanlı UART Protokolü Kullanarak Bir Model Aygıtın Uzaktan Kontrol Uygulaması**  
ÜSER Y., YARDIMCI A.  
Endüstri Otomasyon Aylık Elektrik, Elektronik, Makina Bilgisayar ve Kontrol Sistemleri Dergisi, vol.10, no.79, pp.1-5, 2003 (Peer-Reviewed Journal)
- X. **Mikromaster Vektör ile Dönel Kaplama Ünitesi**  
ÖZTÜRK M., YARDIMCI A.  
Endüstri&Otomasyon, no.52, pp.25-28, 2001 (Non Peer-Reviewed Journal)
- XI. **Seralardaki nem ve CO2 oranının bulanık mantık kontrolü**  
Aydoğan T., YARDIMCI A., ÇAKIR A.  
SÜLEYMAN DEMİREL ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.4, no.1, pp.11-16, 2000 (Peer-Reviewed Journal)
- XII. **Mobil telefon şebekesi yardımı ile otomobil otomasyonu**  
ÇAKIR A., ARDAM H., YARDIMCI A.  
SÜLEYMAN DEMİREL ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.3, no.1, pp.137-143, 1998 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **b-Thalassemia's Social and Economic Geography: A Possible Prevention/Treatment Program to Rout "Legacy" Genetic Mutations**  
AKAY A., Dragomir A., YARDIMCI A., CANATAN D., YEŞİLİPEK A., POGUE B.  
in: Advanced Topics in Scattering and Biomedical Engineering, Charalambopoulos A, Editor, World Scientific, Singapur, pp.199-211, 2008
- II. **Depth Control of Desfluorane Anesthesia with Cardiovascular-based an Adaptive Neuro-Fuzzy System**  
YARDIMCI A., HADİMİOĞLU N., ÖZEN Ş., BİGAT Z.  
in: Computational Intelligence, Theory and Applications, Reusch, Bernd (Ed.), Editor, Springer Verlag, Berlin, pp.787-796, 2006

## Refereed Congress / Symposium Publications in Proceedings

- I. **A Note on Korobov Type Polynomials Associated with Molecular Dynamic Model**  
YARDIMCI A.  
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 13 - 18

September 2018, vol.2116

- II. **Integrated Fuzzy System for Determining Prostate Cancer Risk**  
İLHANLI N., YARDIMCI A.  
Innovations in Intelligent Systems and Applications Conference (ASYU), İzmir, Turkey, 31 October - 02 November 2019, pp.423-429
- III. **Classification of Hemiplegic Gait with Wavelet Transform and Machine Learning Methods**  
Taş H., Bilge U., Yardimci A.  
XI. Medical Informatics Congress with International Participation, Ankara, Turkey, 15 - 16 November 2018
- IV. **Mathematical Models for Deformed and Undeformed Human Hands Associated with the Bernstein Polynomials and the Bezier Curves**  
Simsek B., YARDIMCI A.  
International Conference of Numerical Analysis and Applied Mathematics (ICNAAM), Thessaloniki, Greece, 25 - 30 September 2017, vol.1978
- V. **Kablosuz Veri Transferi ile Yürüme Analizi Sisteminin Geliştirilmesi**  
ORAL O., UYSAL H., UYSAL S., YARDIMCI A.  
TIP BİLİŞİMİNDE YENİLİKLER SEMPOZYUMU, Ankara, Turkey, 25 March 2017, pp.1
- VI. **Kablosuz Veri Transferi ile Yürüme Analizi Sisteminin Geliştirilmesi**  
ORAL O., UYSAL H., UYSAL S., YARDIMCI A.  
TIP BİLİŞİMİNDE YENİLİKLER SEMPOZYUMU Hacettepe Üniversitesi, Ankara, Turkey, 25 March 2017, pp.1
- VII. **Investigation of the Blood Behaviour and Vascular Diseases by Using Mathematical Physic Principles**  
YARDIMCI A., SIMSEK B.  
14th International Conference of Numerical Analysis and Applied Mathematics, Rodos, Greece, 19 - 25 September 2016, vol.1863, pp.1-10
- VIII. **Sistem Analizi Yaklaşımıyla Konaklama İşletmelerinde Etkin Çağrı Merkezlerinin Kurulumu**  
ÜNAL Z., ASILKAN Ö., EKŞİLİ N., YARDIMCI A.  
Yönetim Bilişim Sistemleri Kongresi, İstanbul, Turkey, 16 - 17 October 2014, pp.80
- IX. **Image-Processing Based Determination of Kinesiologic Parameters of Spasticity Patients**  
Albayrak Y., Dağlı M., Asilkan Ö., Yardimci A., Bilgin S., Uysal H.  
BİYOMUT 2014, İstanbul, Turkey, 16 - 17 October 2014, vol.1, no.1, pp.284-286
- X. **Depth control of desflurane anesthesia with cardiovascular based on adaptive neuro-fuzzy system.**  
YARDIMCI A., HADİMİOĞLU N., BİGAT Z., ÖZEN S.  
Transplantation. Proceedings of the 8th Fuzzy Days, Dortmund, Germany, 29 September 2014 - 01 October 2014
- XI. **Image-Processing Based Determination of Kinesiologic Parameters of Spasticity Patients**  
ALBAYRAK Y., DAGLI M., Asilkan O., YARDIMCI A., BİLGİN S., UYSAL H.  
18th National Biomedical Engineering Meeting (BIYOMUT), İstanbul, Turkey, 16 - 17 October 2014
- XII. **Human gait analysis with artificial neural Networks A case study: Classification of post-stroke hemiplegic gait**  
YARDIMCI A.  
7th International Conference ICNNAI'2012, Minsk, Belarus, 10 - 12 October 2012, pp.10-16
- XIII. **Microcontroller based jet nebulizer design with ANFIS compressor control for domiciliary use**  
YARDIMCI A.  
2011 International Symposium on INnovations in Intelligent SysTems and Applications, INISTA 2011, Istanbul-Kadikoy, Turkey, 15 - 18 June 2011, pp.428-431
- XIV. **The low impact portable muscle stimulator Düşük etkili taşınabilir kas uyartım cihazı**  
YARDIMCI A.  
2010 15th National Biomedical Engineering Meeting, BIYOMUT2010, Antalya, Turkey, 21 - 24 April 2010
- XV. **A New Low Cost Effectual Interval Type-2 Fuzzy Set Based Fire Alarm System**  
YARDIMCI A.  
International Symposium on Innovations in Intelligent Systems and Applications, Trabzon, Turkey, 29 June - 01 July 2009, pp.1-5
- XVI. **Applications of soft computing to medical problems**

- Yardimci A.  
9th International Conference on Intelligent Systems Design and Applications, Pisa, Italy, 30 November - 02 December 2009, pp.614-619
- XVII. **Body response analysis using acceleration platform**  
YARDIMCI A., Iijima K., Sekine M., Tamura T.  
14th National Biomedical Engineering Meeting, İzmir, Turkey, 20 - 22 May 2009, pp.132-133
- XVIII. **i-THALASSEMIA'S SOCIAL AND ECONOMIC GEOGRAPHY: A POSSIBLE PREVENTION/TREATMENT PROGRAM TO ROUT "LEGACY" GENETIC MUTATIONS**  
Akay A., Dragomir A., YARDIMCI A., CANATAN D., YESILPEK A., Pogue B.  
8th International Workshop on Mathematical Methods in Scattering Theory and Biomedical Engineering, Lefkada, Greece, 27 - 29 September 2007, pp.199-200
- XIX. **An Adaptive Neuro-Fuzzy Inference System for Calculation Resonant Frequency of Microstrip Dipole Antenna**  
BAŞARAN S. C., TOPRAK İ. B., YARDIMCI A.  
ELECO 2007 5 th International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 5 - 09 December 2007, pp.391-395
- XX. **An Adaptive Neuro-Fuzzy Inference System for Calculation Resonant Frequency of Microstrip Dipole Antenna**  
BAŞARAN S. C., TOPRAK İ. B., YARDIMCI A.  
5. International Conference on Electrical and Electronics Engineering ELECO 2007, Bursa, Turkey, 5 - 09 December 2007, pp.391-395
- XXI. **An Adaptive Neuro-Fuzzy Inference System for Calculation Resonant Frequency of Microstrip Dipole Antenna**  
BAŞARAN S. C., TOPRAK İ. B., YARDIMCI A.  
5. International Conference on Electrical and Electronics Engineering ELECO 2007, Bursa, Turkey, 5 - 09 December 2007, pp.391-395
- XXII. **A Study on Classification of Hemiplegic Gait with ANFIS Using Wavelet Coefficients**  
YARDIMCI A., TOPRAK İ. B., Sekine M., Tamura T.  
BMES 2007, Sapporo, Japan, 21 - 23 September 2007, pp.0-3
- XXIII. **An adaptive neuro-fuzzy inference system for calculation resonant frequency and input resistance of microstrip dipole antenna**  
BAŞARAN S. C., TOPRAK İ. B., YARDIMCI A.  
17th International Conference on Artificial Neural Networks (ICANN 2007), Oporto, Portugal, 9 - 13 September 2007, vol.4669, pp.709-710
- XXIV. **A survey on use of soft computing methods in medicine**  
Yardimci A.  
17th International Conference on Artificial Neural Networks (ICANN 2007), Oporto, Portugal, 9 - 13 September 2007, vol.4669, pp.69-79
- XXV. **Investigating how social and economic geography affect ss-thalassemia's spread**  
Akay A., Dragomir A., YARDIMCI A., CANATAN D., YESILPEK A., Pogue B.  
6th IEEE International Special Topic Conference on Information Technology Applications in Biomedicine, Tokyo, Japan, 8 - 10 November 2007, pp.240-241
- XXVI. **Fuzzy logic based gait classification for hemiplegic patients**  
Yardimci A.  
7th International Symposium on Intelligent Data Analysis, Ljubljana, Slovenia, 6 - 08 September 2007, vol.4723, pp.344-354
- XXVII. **Yürüme Analizi ve yürüme teknikleri**  
ÖZEN Ş., YARDIMCI A., ÇELİK O.  
BİYOMUT2006, Biyomedikal Mühendisliği Ulusal Toplantısı, İstanbul, Turkey, 25 - 27 May 2006, pp.8-10
- XXVIII. **Antalya'da Faaliyet Gösteren İnşaat Firmalarına Yönelik Ekonomik Durum Analizi: Bulanık Mantık Yaklaşımı**

- TÜR R., KAZAZ A., YARDIMCI A.  
Antalya Yöresinin İnşaat Mühendisliği Sorunları Kongresi, Antalya, Turkey, 22 - 24 September 2005, pp.669-677
- XXIX. **Antalya'da Faaliyet Gösteren İnşaat Firmalarına Yönelik Ekonomik Durum Analizi: Bulanık Mantık Yaklaşımı**  
TÜR R., KAZAZ A., YARDIMCI A.  
Antalya Yöresinin İnşaat Mühendisliği Sorunları Kongresi, Antalya, Turkey, 22 - 24 September 2005, pp.669-677
- XXX. **Antalya'da Faaliyet Gösteren İnşaat Firmalarına Yönelik Ekonomik Durum Analizi: Bulanık Mantık Yaklaşımı**  
TÜR R., KAZAZ A., YARDIMCI A.  
Antalya Yöresinin İnşaat Mühendisliği Sorunları Kongresi, Antalya, Turkey, 22 - 24 September 2005, pp.669-677
- XXXI. **The Evaluation of The Technologies in The Construction Area by Fuzzy Logic Approach in Turkey**  
TÜR R., YARDIMCI A.  
International Conference on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control, Antalya, Turkey, 16 September 2005, pp.256-264
- XXXII. **Mikrodalgalara Maruz Kalan Biyolojik Dokulardaki Isı Değişiminin Zamanda Sonlu Farklar (ZSF) Metodu İle Hesaplanması**  
ÖZEN Ş., YARDIMCI A., ÇOLAK Ö. H.  
BİYOMUT2005 Biyomedikal Mühendisliği Ulusal Toplantısı, İstanbul, Turkey, 25 - 28 May 2005, pp.95-98
- XXXIII. **Geliştirilen Ultrasonik Fizyoterapi Sisteminin, Farklı Çalışma Modlarında, Zaman-Sıcaklık Deneyleri ve Analizi**  
ÇELİK O., YARDIMCI A., ÖZTÜRK M.  
Biyomut 2005, Biyomedikal Mühendisliği Ulusal Toplantısı, İstanbul, Turkey, 25 - 27 May 2005, pp.282-285
- XXXIV. **Ultrasonla Fizik tedavide Şiddet ve Tedavi Süresi İçin Bulanık Karar Verici fizyoterapi Sisteminin, Farklı Çalışma modlarında Zaman-Sıcaklık Deneyleri ve analizi**  
YARDIMCI A., ÇELİK O., ÖZEN Ş., ÜSER Y.  
", BİYOMUT2005 Biyomedikal Mühendisliği Ulusal Toplantısı, İstanbul, Turkey, 25 - 28 May 2005, pp.300-307
- XXXV. **Geliştirilen Ultrasonik Fizyoterapi Sisteminin, Farklı Çalışma Modlarında, Zaman-Sıcaklık Deneyleri ve Analizi**  
ÇELİK O., YARDIMCI A., ÖZTÜRK M.  
Biyomut 2005, Biyomedikal Mühendisliği Ulusal Toplantısı, İstanbul, Turkey, 25 - 27 May 2005, pp.282-285
- XXXVI. **Depth control of desflurane Anesthesia with an adaptive neuro-fuzzy system**  
Yardimci A., Hadimioglu N., Bigat Z., ÖZEN S.  
8th Fuzzy Day International Conference on Computational Intelligence, Theory and Applications, Dortmund, Germany, 29 September - 01 October 2004, pp.787-796
- XXXVII. **A fuzzy logic application to environment management system: A case study for Goksu Streams water quality assesment**  
Yardimci A., Muhammetoglu A., Oguz H.  
8th Fuzzy Day International Conference on Computational Intelligence, Theory and Applications, Dortmund, Germany, 29 September - 01 October 2004, pp.327-338
- XXXVIII. **A New Fuzzy Decision Support Method for Analysis of Economic Factors of Turkey's Construction Industry**  
TÜR R., Yardimci A.  
Conference of the World-Academy-of-Science-Engineering-and-Technology, Prague, Czech Republic, 26 - 28 August 2005, vol.7, pp.112-116
- XXXIX. **Fuzzy logic fluid therapy control system for renal transplantation**  
Yardimci A., Hadimioglu N.  
8th Fuzzy Day International Conference on Computational Intelligence, Theory and Applications, Dortmund, Germany, 29 September - 01 October 2004, pp.145-158
- XL. **Ultrasound intensity and treatment time fuzzy logic control system for low cost effective ultrasound therapy devices**  
Yardimci A., CELIK O.

8th Fuzzy Day International Conference on Computational Intelligence, Theory and Applications, Dortmund, Germany, 29 September - 01 October 2004, pp.797-807

- XLII. **Evaluation of Temperature Rise and SAR Developed by EM Radiation of 1800MHz in Human Brain by Utilizing Brain Equivalent Model**  
ÖZEN Ş., TENSELİ A., ONURAL A. Ş., YARDIMCI A.  
4th International Conference on Advanced Design Engineering, Glasgow, United Kingdom, 5 - 07 September 2004, pp.85-89
- XLIII. **Anestezi Derinliğinin Geri Yayılmalı Yapay Sinir Ağı Kullanılarak Kontrolü**  
Ferikoğlu A., TOSUN M., UNAL C., SARAĞLU H. M., YARDIMCI A.  
IKECCO 2004, International Conference on Electronics and Computer in Kyrgyzstan, Bishkek, Kyrgyzstan, 2 - 04 April 2004, pp.14-18
- XLIV. **“Assesment of Boğaçay Stream Water Quality by Using Fuzzy Logic”**  
YARDIMCI A., MUHAMMETOĞLU A., OĞUZ H.  
MEDCOAST 03, Ravenna, Italy, 7 - 11 October 2003, pp.1025-1036
- XLV. **Assesment of Boğaçay Stream Water Quality by using Fuzzy Logic**  
YARDIMCI A., MUHAMMETOĞLU A., OĞUZ H.  
6th International Conference on the Mediterranean Coastal Environment, MEDCOAST 03, Ravenna, Italy, 7 - 11 October 2003, pp.1025-1037
- XLVI. **An Economic Situation Analysis For Construction Industry in Turkey With Soft Fuzzy Approach**  
TÜR R., YARDIMCI A., KAZAZ A.  
Second International Conference on Soft Computing and Computing With Words in System Analysis, Decision and Control, Antalya, Turkey, 9 - 11 September 2003, pp.218-226
- XLVII. **An Economic Situation Analysis For Construction Industry in Turkey With Soft Fuzzy Approach**  
TÜR R., YARDIMCI A., KAZAZ A.  
Second International Conference on Soft Computing and Computing With Words in System Analysis, Decision and Control, Antalya, Turkey, 9 - 11 September 2003, pp.218-226
- XLVIII. **An Economic Situation Analysis for Construction Industry in Turkey with Soft Fuzzy Approach**  
TÜR R., KAZAZ A., YARDIMCI A.  
International Conference on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control, ICSCCW-2003, Antalya, Turkey, 9 - 11 September 2003, pp.218-225
- XLIX. **Ultrasonik Fizyoterapi Cihazlarında Enerji Transferinin Yöntemleri ve Probenin Yönlendirilmesi**  
ÇELİK O., YARDIMCI A., GÜLER İ.  
Biyomut 2003, Biyomedikal Mühendisliği Ulusal Toplantısı, İstanbul, Turkey, 29 - 30 May 2003, pp.274-276
- L. **e-Hestia:Haberleşme ve Bilgi Tabanlı Uygulamalarla Tasarlanmış e-Sağlık Sistemi**  
YARDIMCI A., BENEDITO J., ÖZEN Ş., ONURAL A. Ş.  
Biyomut 2003, Biyomedikal Mühendisliği Ulusal Toplantısı, İstanbul, Turkey, 29 - 30 May 2003, pp.83-88
- L. **Anestezi Esnasında ve Sonrası Dönemde Hastanın İzlenmesi**  
YARDIMCI A.  
Biyomut 2003, Biyomedikal Mühendisliği Ulusal Toplantısı, İstanbul, Turkey, 29 - 30 May 2003, pp.274-276
- LI. **e-Hestia:Haberleşme ve Bilgi Tabanlı Uygulamalarla Tasarlanmış e-Sağlık Sistemi**  
YARDIMCI A., BENEDITO J., ÖZEN Ş., ONURAL A. Ş.  
Biyomut 2003, Biyomedikal Mühendisliği Ulusal Toplantısı, İstanbul, Turkey, 29 - 30 May 2003, pp.83-88
- LII. **Depth control of sevoflurane anesthesia with microcontroller based fuzzy logic system**  
YARDIMCI A., Ferikoğlu A., Hadimioglu N.  
23rd Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society, İstanbul, Turkey, 25 - 28 October 2001, vol.23, pp.1649-1652
- LIII. **Sevofluran anestezi mikrokontrolör tabanlı bulanık mantık kontrol sistemi**  
YARDIMCI A., Ferikoğlu A., HADİMİOĞLU N.  
Biyomut 2000, İstanbul, Turkey, 27 - 28 November 2000, pp.98
- LIV. **Sevofluran anestezi mikrokontrolör tabanlı bulanık mantık kontrol sistemi**  
YARDIMCI A., Ferikoğlu A., HADİMİOĞLU N.



Biyomut 2000, İstanbul, Turkey, 27 - 28 November 2000, pp.98

**LV. Analysis of Biological Process with Microcontroller based Fuzzy Logic Systems**

YARDIMCI A., Ferikoğlu A.

Workshop on Biomedical Information Engineering, İstanbul, Turkey, 25 - 27 June 2000, pp.261-269

**LVI. Medikal Cihazlarda Elektromanyetik Girişim ve Elektromanyetik uyumluluk Standart eksikliklerinin Getirdiği Sorunlar**

ÖZEN Ş., Kaya A., YARDIMCI A., Çömlekçi S.

Bilişim Toplumuna Giderken Elektromanyetik Kirlilik Etkileri Sempozyumu, Ankara, Turkey, 11 November 1999, pp.31-36

**LVII. Türkiye de Tıbbi Standardizasyon Eksikliğinin Doğurduğu Medikal Çevre Elektriksel Tehlike ve Riskleri**

ÖZEN Ş., YARDIMCI A., ONURAL A. Ş.

Biyomedikal Mühendisliği Ulusal Toplantısı BİYOMUT'99, Kayseri, Turkey, 22 - 27 October 1999, pp.50-55

**LVIII. Türkiye de Tıbbi Standardizasyon Eksikliğinin Doğurduğu Medikal Çevre Elektriksel Tehlike ve Riskleri**

ÖZEN Ş., YARDIMCI A., ONURAL A. Ş.

Biyomedikal Mühendisliği Ulusal Toplantısı BİYOMUT'99, Kayseri, Turkey, 22 - 27 October 1999, pp.50-55

**LIX. An ECG Telemetry System with Infra-Red Transmission**

Çömlekçi S., YARDIMCI A., Kaya A.

Itec 99 Exhibition and Medical Simulation&Education Conference, Den Hague, Netherlands, 13 - 15 May 1999, pp.49-56

**LX. Fuzzy Logic Controlling For Hydraulic Turbine Regulation**

Çömlekçi S., Aydoğan T., ÇAKIR A., YARDIMCI A.

2nd International Symposium on Intelligent Manufacturing Systems, Sakarya, Turkey, 6 - 07 August 1998, pp.173-183

## Other Publications

**I. Geliştirilen Ultrasonik Fizyoterapi Sisteminin, Farklı Çalışma Modlarında, Zaman-Sıcaklık Deneyleri ve Analizi**

ÇELİK O., YARDIMCI A., ÖZTÜRK M.

Presentation, pp.282-0, 2005

## Supported Projects

ŞİMŞEK Y., ALKAN M., YARDIMCI A., Project Supported by Higher Education Institutions, Computation Methods For Combinatorial Sums And Euler Type Numbers Related To New Families Of Numbers, 2018 - 2019

ŞİMŞEK Y., YARDIMCI A., Project Supported by Higher Education Institutions, Yayın Süreklilik Desteği, 2018 - 2019

ŞİMŞEK Y., GÜNAY M., YARDIMCI A., ALKAN M., ÖZDEMİR G., KUCUKOĞLU I., Project Supported by Higher Education Institutions, Bilim İnsanı Yetiştirme ve Geliştirme Projesi, 2017 - 2018

ŞİMŞEK Y., ÖZDEMİR G., ALKAN M., KÜÇÜKOĞLU İ., Project Supported by Higher Education Institutions, Bilim İnsanı Yetiştirme ve Geliştirme Projesi, 2017 - 2018

YARDIMCI A., ÖZTÜRK M., TUBITAK Project, Yangın Alarm-Koruma Sistemi Geliştirilmesi, 2008 - 2009

## Metrics

Publication: 92

Citation (WoS): 170

Citation (Scopus): 191

H-Index (WoS): 6

H-Index (Scopus): 6

## **Congress and Symposium Activities**

Genetik Hastalıklar Teşhis ve Tedavisinde Moleküler Yöntemler ve Mühendislik Uygulamaları, Invited Speaker, Isparta, Turkey, 2016