

Curriculum Vitae

- 1. Name Surname:** Ali GUNES
- 2. Date of Birth :** 3 February 1952
- 3. The Current Job:** Istanbul Aydin University
Computer Engineering Department
- 4. Educational Background:**

Degree	University	Year
Undergraduate	Middle East Technical University	1976
Ph.D	Anadolu University	1982

5. Academic Titles

Instructor : Industrial Eng., Numerical Methods Anadolu University 1982-1985
Ass. Professor : Industrial Eng., Operations Research Anadolu University 1985-1988
Assoc. Professor : Computer Engineering Anadolu University 1988-1993
Professor : Computer Engineering Anadolu University 1993-2007
Professor : Computer Engineering Istanbul Aydin Univ. 2007 +

6. Papers Published in International Journals

Gunes Ali, Ozturk Yusuf, Babanli Ahmad, (2009).“An in Vivo Database Model for Pharmacological and Physiological Dosage for Experimental Animals”, Computers in Biology & Medicine, Elsevier , Vol 39, Issue 7, p 590-594, July 2009.

Ozturk Y.,Gunes A. & Babanli A., (2004). “A Computer Database for the in VIVO dosage in experimental animals”, Fundamental & Clinical Pharmacology, Vol. 18, Suppl. 1, Blackwell Publ.

Babanli A.,Gunes A., & Ozturk Y.,(2011). “A Computer Experiment Model for Laboratory Animals Using Drug/Dosage Information”, ATLA, ISSN: 0261-1929, 39.6, 519-525.

Gunes, A. & Altintas, T. (2013). Evaluation of Distance Education Components of e-MBA Program – A Case Study. International Journal on E-Learning, 12(1), 69-80. Waynesville, NC USA: Association for the Advancement of Computing in Education (AACE). Retrieved July 13, 2023 from <https://www.learntechlib.org/primary/p/36034/>.

Gunes A., Altıntas T. (2012). "Evaluation of Distance Education Components – A Case Study of Associate Degree Programs", Academy of Educational Leadership Journal, ISSN: 10956328, AELJ 16(3), 23-34.

Gunes Ali, Babanlı Ahmet, (2013). "Analysis of Animal Experiments Data and a Rule-based Model to Determine Lethal Toxicity Dosages", The Indian Journal of Animal Sciences, ISSN: 0367-8318, INDIAN J ANIM SCI.

Tugba Altıntas, Ali Gunes and Hamiyet Sayan (2016) A peer-assisted learning experience in computer programming language learning and developing computer programming skills, Innovations in Education and Teaching International, 53:3, 329-337, DOI: 10.1080/14703297.2014.993418

Mehmet Fatih Yuce, Erhan Musaoglu and Ali Gunes (2016) Enhancing heuristic bubble algorithm with simulated annealing, Cogent Business & Management, 3:1, DOI: 10.1080/23311975.2016.1220662

Ali Gunes, Emrah Aslan, (2015). "Augmented Reality Approach And Its Applications In Sports", Journal of Basic and Applied Research International, ISSN: 2395-3446 (Online), International Knowledge Press, Vol.: 12, Issue.: 3, 190-202, 2015

Mehmet Kösem, Ali Güneş.(2017). "Comparing Wireless LAN Standards and a Model Proposal for University Wireless Network Security with 802.1x", International Advanced Research Journal in Science, Engineering and Technology, ISBN:2393-8021, Vol.3, Issue 4, April 2016, 13-17, DOI: 10.17148/IARJSET.2016.3403

Yasin Akıllı, Ali Güneş.(2016). " Disaster Recovery Planning for Data Centers and IT Services", International Advanced Research Journal in Science, Engineering and Technology, ISBN:2393-8021, Vol.3, Issue 6, June 2016, 145-149, DOI 10.17148/IARJSET.2016.3627

Ali Güneş, Enis Karaçam.(2016). "Information Technology Recommendations on a Model Based on Distance Education the Measurement of Professional Quality of Technical Service Staff", International Journal of Advanced Research in Computer and Communication Engineering, Vol. 5, Issue 12, December 2016, DOI 10.17148/IJARCCE.2016.51236, pp 172-176

Sayed Mansoor Hashimi, Ali Güneş,(2017). "Performance Evaluation of a Network Using Simulation Tools or Packet Tracer", IOSR Journal of Computer Engineering, Volume 19, Issue 1, Ver. I (Jan.-Feb. 2017), 01-05, DOI: 10.9790/0661-1901010105.

Yakup Delibas, Ali Güneş, (2017). Management of Workload Planning with Big Data by Using ETL Method, International Journal of Innovative Studies in Sciences and Engineering Technology, Volume: 3 Issue: 4 | April 2017, 54-59.

M.R. Altunkum, A. Gunes,(2017). “Routing the Historical Places with Ant Colony Algorithm”, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 6, Issue 7, July 2017, 72-75, DOI10.17148/IJARCCE.2017.6714.

Mehmet Altinkaya, Ali Güneş,(2017). “A system proposal to reduce road traffic accidents using smart phones”, ISSN: 2394-2630, Journal of Scientific and Engineering Research, 2017, 4(7):243 -249

Ali Güneş, İrem Çevik ,(2017). “Cabin Staff Management System Mobile Application”, International Journal of Innovative Engineering Applications , ISSN 2587-1943, 1, 2(2017), 1-4.

Mehmet Ertugrul, Ali Gunes,(2017). “Development of Ontology Knowledgebase for Archive Management Systems”, Aksaray University Journal of Science and Engineering, Volume 1, Issue 2, 2017,85-109, DOI: 10.29002/asujse.305026

Rudi Miran Babayi, Adem Ozyavas, Ali Gunes,(2017). “Social Networks and Education Level Relationship”, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 6, Issue 12, December 2017,91-94, DOI 10.17148/IJARCCE.2017.61217.

Yüce, M. F., Gunes, A., Zontul, M., & Altintas, T. (2018). Time Window and Location Based Clustered Routing with Big and Distributed Data. Industrial Engineering, 2(2), 42-51.

Mehmet Şirin, Tuğba Altıntaş, Ali Güneş, (2020).Creating The Best Routing By Heuristic Algorithm, International Journal of Engineering Technologies and Management Research, 4(12), 28-42. DOI: 10.5281/zenodo.1134113.

Şükrü Mustafa Kaya, Atakan Erdem, Ali Güneş (2021) A Smart Data Pre-Processing Approach to Effective Management of Big Health Data in IoT Edge, Smart Homecare Technology and TeleHealth, 8:, 9-21, DOI: 10.2147/SHTT.S313666

Aytaç, U. C., Güneş, A.,and Ajlouni, N. (2022). A novel adaptive momentum method for medical image classification using convolutional neural network. BMC Medical Imaging, 22(1), 1-12.

Yelmen, I., Gunes, A., and Zontul, M. (2023). Multi-Class Document Classification Using Lexical Ontology-Based Deep Learning. Applied Sciences, 13(10), 6139.

Arslan E, Güneş A. (2023), Fraud Detection in Enterprise Resource Planning (ERP) Systems Using One-Class Support Vector Machine: The Case of Spor Istanbul, Annals of Applied Sport Science, 11(S1),10.52547/aassjournal.1222

Pura T, Güneş P, Güneş A, Hameed A. A. (2023), Earthquake Prediction for The Marmara Region of Düzce Province Using Artificial Intelligence, Applied Sciences, 13(15), <https://doi.org/10.3390/app13158642>

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Guler N, Güneş A, (2023), Optimal Resource Allocation Scheme Based on Time Slot Switching for Point-to-Point SISO SWIPT Systems, MDPI Engineering proceedings, 58(1), <https://doi.org/10.3390/ecsa-10-16247>

Tutar H, Güneş A, Zontul M, Aslan Z. (2024), A Hybrid Approach to Improve the Video Anomaly Detection Performance of Pixel- and Frame-Based Techniques Using Machine Learning Algorithms, Computation MDPI, 12(2), 19, <https://doi.org/10.3390/computation12020019>

Atcı Ş Y, Güneş A, Zontul M, Aslan Z. (2024), A hybrid deep learning approach based computer-aided diagnosis system for identifying different diabetic retinopathy evaluations in human-eye, Tomography, 10(2), <https://doi.org/10.3390/tomography10020017>

7. Papers Presented at International Conferences

Gunes, Ali, (1988). "A Centralized CAI Model for Distance Education in OEF", ADCIS 1988 Conference Proceedings, Philadelphia.

Babanli Ahmet, Gunes Ali, (2003). "The rough sets approach for analysis of patient data with headache diseases", International Twelfth Turkish Symposium on Artificial Intelligence and Neural Networks, Çanakkale, 2-4 Temmuz 2003.

Babanli Ahmet, Gunes Ali, (2003). "Finding minimal set of attributes in medical data", WSEAS AIKED 2003 (Artificial Intelligence, Knowledge Engineering, Data Bases), Crete Greece, 11-13 Ağustos 2003

Ozturk Yusuf, Gunes Ali, Babanli Ahmet, (2004). "A Computer database for the in VIVO dosage in experimental animals (ACD-IDEA)", Fundamentals & Clinical Pharmacology Vol 18, Sup.1, Blackwell, Porto.

Gunes Ali, Karaca Huseyin, Kacmaz Emre,(2004). "Analyzing the Success of CNAP Student Classes Under a Common Homogenous Educational Environment", 3d International Conference on Emerging Telecommunications Technologies and Applications, Kosice, Slovakia , September 16-18, ICETA 2004

Babanli Ahmet, Gunes Ali, (2005). "Reduction of Symptoms by Using Rough Sets in Headache Diseases", International Symposium on Health Informatics and Bioinformatics, Turkey '05, Belek, Antalya, 10-12 November 2005,

Okur, M. Recep, Gunes Ali, Vuran Sezgin (2006)." Use of the Internet in Special Education, Portal Design Example", 6th International Educational Technology Conference (IETC2006),p.1285-1291,EMU, KKTC, 19-21 April 2006, 19/04/2006

Gunes, Ali (2010).“Enabling the Essential Education”, Global Pulse 2010, S Agency for International Development (USAID), 29-31 March 2010

Deger Erdem Nursen, Gunes Ali , (2010).“The Evaluation Of The Effects Of Computer-Assisted Learning on Student Successes in Science and Technology Lessons”, 10th International Educational Technology Conference, 26-28 April 2010, Bogazici University, Istanbul, Turkey.

Doyranlı Nilüfer, Gunes Ali ,(2010). “Reifying the Abstract Concepts Requiring Upper Level Cognition in Computer Aided Mathematics Education and Their Contribution to the Education”, 10th International Educational Technology Conference, 26-28 April 2010, Bogazici University, İstanbul, Turkey.

Kaba A. Ulas, Gunes Ali, Altintas Tugba,(2011). “The Effect of Student Satisfaction in ELearning Support Services”, 11th International Educational Technology Conference, 25-27 May 2011, Istanbul University, İstanbul, Turkey.

Karabak Derya, Güneş Ali,(2013). “Curriculum Suggestion for Software Development for First Year Middle School Students”, 4th International Conference on New Trends in Education and Their Implications, 25-27 April 2013, Antalya, Turkey

Esra Çiftci, Ali Güneş,(2013).” Computer Aided Mathematics Teaching and Problems in Practice”, 7th International Computer and Instructional Technologies Symposium (7thICITS), Atatürk Üniversitesi,Erzurum, 6-8 Haziran 2013.

Mehmet K. Keleş, Ali Güneş,(2013). “Ensuring the Security of 24-Bit Color Documents Using Different Biometrics Technology “ , VI. International Conference on Information Security and Cryptology , ISCTurkey 2013, 20-21 Eylül 2013, ODTÜ, Ankara

Kadir Keskin, Ali Güneş,(2015). “Security Issues in On-Line Exam Systems and A Sample Application”, 1. Uluslararası Uzaktan Eğitim ve Eğitim Teknolojileri Kongresi, Conference Book, ISSN : 978-605-4303-49-6, İstanbul, 21-23 Mayıs 2015

Osman Koç, Ali Güneş,(2015). “Benefits of Adding Guiding the Student in Distance Education Systems”, 1. Uluslararası Uzaktan Eğitim ve Eğitim Teknolojileri Kongresi, Conference Book , ISSN : 978-605-4303-49-6, İstanbul, 21-23 Mayıs 2015

Erdoğan Aydoğan, Ali Güneş, (2015).“ Data Mining in Education A Model Proposal and Application for High Schools”, 1st International Conference on Distance Education and Educational Technology, Conference Book, ISSN : 978-605-4303-49-6, İstanbul, 21-23 Mayıs 2015

Gunes G, Gunes A. (2016).“Comparison of the performance of distance education students based on getting online course as voluntary or mandatory”, 2nd International Education, Distance Education and Educational Technologies Congress, ICDET2016 Proceedings, 5-6 February 2016, Antalya, Turkey

Yasin Akıllı, Ali Güneş (2016).“ Disaster Recovery Planning for Data Centers and IT Services”, International Advanced Research Journal in Science, Engineering and Technology, ISBN:2393-8021, Vol.3, Issue 6, June 2016, 145-149, DOI10.17148/IARJSET.2016.3627

Alaa Ali Hameed, Naim Ajlouni, Adem Özyavaş, Zeynep Orman and Ali Güneş,(2019). “An Efficient Medical Diagnosis Algorithm Based on a Hybrid Neural Network with a Variable Adaptive Momentum and PSO Algorithm”, International Congress on HumanComputer Interaction, Optimization and Robotic Applications July 5-7, 2019, Urgup, Nevşehir, Turkey

Ş. M. Kaya, A. Güneş and A. Erdem,.(2021). "A Smart Data Pre-Processing Approach by Using ML Algorithms on IoT Edges: A Case Study," 2021 International Conference on Artificial Intelligence of Things (ICAIoT), Nicosia, pp. 36-42, doi: 10.1109/ICAIoT53762.2021.00014.

Mhd. Wasim Raed, Semih Yon, Ali Gunes, Igor Kotenko, Elena Fedorchenko and Anna Polubaryeva (2023), An RFID Based Localization and Mental Stress Recognition System Using Wearable Sensors, 16th International Joint Conference on Biomedical Engineering Systems and Technologies (BIOSTEC 2023) - Volume 4: BIOSIGNALS, pages 325-331, DOI: 10.5220/0011796000003414

Guler N, Güneş A, (2023) , ERAS-NETS: An Efficient Resource Allocation Scheme-based Nonlinear Energy Harvesting Timeslot Switching, 2023 IEEE International Conference on Engineering Technologies and Applied Sciences (ICETAS), Bahreyn

Guler N, Güneş A, (2023), Optimal Resource Allocation Scheme-based Time Slot Switching for Point-to-Point SISO SWIPT Systems, 10th International Electronic Conference on Sensors and Applications, Bahreyn

8. Papers published in National Journals

Gunes, Ali,(1987). “Using Computers in Education”, Computer Journal (Bilgisayar Dergisi), December 1987, Vol 80, p.144-152.

Gunes, Ali, (1987).“A Centralized Computer Assisted Instruction Model for Open education Faculty (OEF)”, Computer Journal , February 1987, Vol 82, p.125-129.

Gunes Ali,(2010). “Using Decision Tables to Acquire Program Development Experience for Computer programmers”, Istanbul Aydın University Journal, ISSN 1309-1352, Vol 2, Istanbul, 2010, p.80-94.

Gunes Ali, Altintas Tugba,(2010). “Annual Statistical Evaluation of the Functional Activities of Associate Degree Distance Education Programs”, Istanbul Aydın University Journal, ISSN 1309-1352, Vol4, Istanbul, 2010, p.100-113.

Hatipoğlu, B. , Aslan, Z. , Zontul, M. & Güneş, A. (2011). The Effect of Private Teaching Education on the Student's Placement in the University. İstanbul Aydın Üniversitesi Dergisi , 3 (12) , 13-50 . Retrieved from <https://dergipark.org.tr/en/pub/iaud/issue/30057/324523>

Kaba A.U, Güneş A., Altıntaş T.(2012). “The Effect of Support Services in E-Learning on Learner Satisfaction”, Eğitim Teknolojileri Araştırmaları Dergisi, ISSN: 1309-5099, Cilt 3, Sayı 2.

Ali Güneş, Zihni Kaya,(2016). Biometric Security Systems and Facial Recognition Online Exam System “, Eğitim ve Öğretim Araştırmaları Dergisi, JRET, ISSN: 21469199, Cilt 5, Sayı 1.

Pura, T., Güneş, A. (2016). Analyzing Web-Based Education in Terms of Quality and Quantity and a Course Archive System Software Suggestion. Anadolu Bil Meslek Yüksekokulu Dergisi , (42) , 115-130 . Retrieved from <https://dergipark.org.tr/en/pub/abmyoder/issue/46651/584884>

Gunes A, Gunes G,(2016). “Comparison of the success levels on common courses of formal and distance education students”, Journal of Research in Education and Teaching, ISSN:21469199, Vol 5(2), s.43-47

Ertugrul, M., & Gunes, A. (2017). Development of ontology knowledgebase for archive management systems. Aksaray University Journal of Science and Engineering, 1(2), 85-109.

Şener, S. and Güneş, A. (2021). Student Modelling on Language Teaching Based on Bayesian Networks. Gazi University Journal of Science Part C: Design and Technology, 9 (2), 347-356. DOI: 10.29109/gujsc.929365

Özlen, T., and Güneş, A. (2021). Comparative Analysis of Machine Learning Algorithms Used in the Diagnosis of Cervical Cancers. Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, 21(5), 1052-1060.

Kaya, Ş. M. , Erdem, A., Güneş, A. (2022). Anomaly Detection and Performance Analysis by Using Big Data Filtering Techniques For Healthcare on IoT Edges. Sakarya University Journal of Science, 26 (1) , 1-13 . DOI: 10.16984/sofenbilder.903915

Çil, E., Güneş, A. (2022). Performance analysis for detecting heart diseases with machine learning algorithms. Anadolu Bil Meslek Yüksekokulu Dergisi , 17 (65) , 57-77 .

Agrawal, M., Agrawal, M., Aslan, Z., Dönmez, İ.,and Güneş, A.(2022). Monitoring Air Pollution Impacts of Covid-19 In India. Euras Journal of Health, 93.

9. Papers Presented at National Conferences

Gunes, Ali, (1983). “Collective Bargaining Agreements with the two-person-zero-sum game Model Approach”, Yöneylem Araştırması 8th National Operations Research Conference, M.E.T.U., 21-23 June 1983.

Gunes, Ali, (1988). “Training the Teachers for Computer Education in Secondary Education Institutions”, TBD 7th National Informatics Conference, Ankara, September 1988, p.106113.

Gunes, Ali, (1990). “New Question Types Opportunities in Computer Assisted Learning”, 7. Türkiye Bilgisayar Kongresi Bildiriler Kitabı, İstanbul, 28-30 Mayıs 1990, s.205-208.

Gunes, Ali ve Aksit M.Arif,(1991). “HIPOCRAT (A Hospital Software)”, 8. Türkiye Bilgisayar Kongresi Bildiriler Kitabı, İstanbul, 27-29 Mayıs 1991, s.217-220.

Cakır Ali Yavuz, Gunes Ali, Akınlar Cuneyt, (2004).“Intellegent Homes and Secure SIP Device Control”, ASYU-INISTA 2004, Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, Yıldız Teknik Üniversitesi, İstanbul, 23-25 Haziran 2004

Gunes Ali, Kahvecioglu Ayse, Tuncel Hakan,(2005). “Optimization of military rosters using genetic algorithm”, 11th National Electric-Electronic-Computer Engineering Congress and Fair, Grand Cevahir Otel Kongre Merkezi, İstanbul, 22 – 25 September 2005

Bektaş Leyla, Kaba Aşkın Ulaş, Güneş Ali,(2011). ” E-learning and overcome obstacles”, 6th International Disability Convention and Social Activities, Kadir Has University, 2-3 December 2011

Şişman Mehmet, Güneş Ali,(2014). “Analysis of 4G mobile communication systems and transportation technologies. example of İstanbul”, TBD 31. National Informatics Congress, 6-9 November 2014, Ankara

10. Books

Gunes, Ali,(1983). Using Decision Model on Financial Topics in Collective Bargaining - A Computer Based (Published PhD Thesis), Anadolu University, Engineering Faculty Publication No: 3, Eskisehir.

Gunes, Ali, (1985). FORTRAN 77 Programming Language with Examples, Anadolu University ESBAY Publications No: 25, Eskisehir.

Gunes, Ali, (1986). Computers and BASIC Programming, (Units 1-11. and 15.-19.), Anadolu University Open Education Faculty Publications No: 45, Ankara.

Gunes, Ali,(1987). Introduction to Computers and BASIC, Bilim Teknik Yayınevi, Eskisehir.

Gunes, Ali, (Ed.)(1991)., Computer Programming, A.Ü. Açıköğretim Fakültesi Yayınları, No.166, Eskişehir.

Gunes, Ali,(1992). Computer Requirements and New Technological Opportunities of Open Education Faculty on Founding of the 10th Year, Anadolu University Publications No. 663, Eskisehir.

Gunes Ali, Ataizi Murat, Aydın Cengiz Hakan. and others, (2002). Essentials of Information Technologies, Anadolu University Publications No: 1418, Eskisehir.

Gunes Ali (Ed), (2003). Essentials of Using Information, Pegema Yayıncılık, Ankara.

Gunes Ali (Ed), (2006). Computer I, Pegema Yayıncılık, Ankara.

Gunes Ali (Ed), (2007). Computer II, Pegema Yayıncılık, Ankara.

Gunes Ali (Ed),(2009). Computer I-II Essentials of Usage, Pegem Akademi, Ankara.

Ali Güneş, Zeki Kaya, (Editors),(2017). 3rd International Congress on Education, Distance Education and Educational Technology- ICDET 2017, e-Proceedings Book, ISBN: 978975-01577-6-9, 24- 25 November 2017

10. Projects

Ozkul Ekrem, Gunes Ali, Hepkul Ayse, First Health Project, Ministry of Health of Republic of Turkey, MIS Report for Hospital Management Development Study for Eskişehir and Bilecik State Hospitals, World Bank Project Number: TUR/91/R01, Ankara, 1996.

HIPOCRAT Hospital Software, Anadolu University, 1991-2002

Evaluation of Exam Software of Open Education System, Anadolu University, 1992-2002.

Exam Organization System Software of Open Education, Anadolu University, 1992-2002.

Student Grade System Software of Open Education, Anadolu University, 1991-2002.

Enrollment System Software of Open Education, Anadolu University, 1990-2002.

Human Resources Software, Anadolu University, 1986-2002.

Budget and Payment Software, Anadolu University, 1985-2002.

Inventory Software, Anadolu University, 1984-2002.

ODISEAME, CEDETEL (Spain) EU Project, (Director of part of “Object Oriented Programming with Java”, 2004-2006.

Pharmacological and Phycological Dosage Database and Expert System for Experimental Animals, Anadolu University Research Project, 2004 – 2006.

Distance Education System, Istanbul Aydin University, 2008 – 2016.

11. Administrative Tasks

Anadolu University IT Center Director	1984 – 1992
Anadolu University Comp. Eng. Dept. Head	1993 - 2005
Anadolu Univ. CISCO Networking Academy Manager	2002 - 2006
Istanbul Aydin Univ. Graduate School Director	2008 - 2010
Istanbul Aydin Univ. Comp. Eng. Department Head	2007 - 2023
Istanbul Aydin Univ. Distance Education Centre Director	2008 - 2016
Istanbul Aydin Univ. Software Development Department	2023 -

12. Awards and scholarships

Higher education scholarship by United German Pharmaceutical Factories, 1971-1975
CISCO CNAP Encouragement Award, 15 Mart 2005, ODTÜ, Ankara