




# Curriculum Vitae


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## Personal Information:

- **Name Surname** : Utku KÖSE / Utku KOSE
- **Nationality** : Turkish
- **Date of Birth** : 26.03.1985
- **Gender** : Male
- **Address** : Süleyman Demirel University,  
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- **YÖK Researcher ID** : 23806
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- **Scopus ID** : 36544118500 
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## Academic profiles over the Web (link):

- **Google Scholar** 
- **Research Gate** 
- **Mendeley** 
- **Academia.edu** 
- **Publons** 

## Education:

- **PhD** : Selçuk University, Institute of Natural and Applied Sciences, Computer Engineering Dept., Konya / Turkey (2010 – 2017).
- **MS** : Afyon Kocatepe University, Institute of Natural and Applied Sciences, Computer Dept., Afyonkarahisar / Turkey (2008 – 2010) Average Grade: 98,36 / 100).
- **BS** : Gazi University, Industrial Arts Education Faculty, Computer Education Dept., Ankara / Turkey (2004 – 2008) Average Grade: 94,40 / 100).
- **High School** : Gazi Anatolian Vocational School, Computer – Software Dept., Afyonkarahisar / Turkey (1999 – 2003).

## Academic Work Experience:

- **Associate Professor** : Süleyman Demirel University, Faculty of Engineering, Dept. of Computer Engineering (23.10.2019 – Present).
- **Assistant Professor** : Süleyman Demirel University, Faculty of Engineering, Dept. of Computer Engineering (17.10.2017 – 31.10.2019).
- **Visiting Assist. Prof.** : Polytechnic University of Porto (Portugal), School of Management and Technology (12.03.2019 – 15.03.2019).
- **Visiting Scientist** : University of Bologna (Italy), Faculty of Engineering, Dept. of Computer Sciences and Engineering (01.07.2016 – 20.07.2016).
- **Visiting Scientist** : University of Bologna (Italy), Faculty of Engineering, Dept. of Computer Sciences and Engineering (14.12.2015 – 18.12.2015).
- **Visiting Lecturer** : University of Bacau “Vasile Alecsandri” (Romania), Dept. of Mathematics, Informatics and Educational Sciences (11.06.2015 – 15.06.2015).

- **Visiting Lecturer** : University of Bacau “Vasile Alecsandri” (Romania), EU – Erasmus Teaching Mobility (13.01.2014 – 18.01.2014).
- **Visiting Scientist** : University of Bologna (Italy), Faculty of Engineering, Dept. of Computer Sciences and Engineering (17.06.2013 – 23.09.2013).
- **Visiting Lecturer** : University of Oradea (Romania), EU – Erasmus Teaching Mobility (23.02.2013 – 03.03.2013).
- **Lecturer** : Uşak University, Karahallı Vocational School, Dept. of Computer Technologies (30.05.2012 – 16.10.2017).
- **Lecturer** : Uşak University, Directorate of Computer Center (30.05.2012 – 16.10.2017).
- **Lecturer** : Afyon Kocatepe University, Distance Education Vocational School (01.10.2011 – 29.05.2012).
- **Research Assistant** : Afyon Kocatepe University, Distance Education Vocational School (14.08.2009 – 01.10.2011).
- **Research Assistant** : Afyon Kocatepe University, Directorate of Computer Center (28.01.2009 – 14.08.2009).

### **Administrative Experience:**

- **Vice Dept. Chair** : Süleyman Demirel University, Faculty of Engineering, Dept. of Computer Engineering (10.09.2018 – Present)
- **Director** : Uşak University, Computer Sciences Application and Research Center (07.07.2014 – 16.10.2017)
- **Vice Director** : Afyon Kocatepe University, Distance Education Vocational School (2011 – 2012)

### **Research Interests:**

- Artificial Intelligence, Artificial Intelligence Safety, Machine Ethics, Intelligent Optimization, Intelligent Systems, Philosophy of Artificial Intelligence, Soft Robotics, Computer Sciences, Information Security, Computer Software Programming, Distance Education, E-Learning, Computer Education, Chaos, Cryptology.

### **Publications:**

### **Research in Progress:**

1. *“Artificial Intelligence Safety and Machine Ethics”*: Research works focused on subjects related to Artificial Intelligence Safety and Machine Ethics.
2. *“Multi-Disciplinary Applications of Artificial Intelligence”*: Research works regarding use of Artificial Intelligence in the context of different disciplines.
3. *“GEO-BOT”*: A soft robot project based on modular components forming autonomous robotic system capable of having different actuator and acting functions.
4. *“Deep Learning and Image Analysis”*: Applications over images by using Deep Learning approaches, methods, and techniques (biomedical, satellite image analyze...etc.).
5. *“Philosophy of Artificial Intelligence”*: Research works regarding philosophical roots of the Artificial Intelligence.
6. *“Autonomous Educational Systems”*: Educational systems, which can be run without teachers and as adaptive for learners’ characteristics, levels, academic achievements...etc.
7. *“Ambient Intelligence and Internet of Things”*: Research works focused on designing/developing Ambient Intelligence based and Internet of Things oriented systems.
8. *“Artificial Individual”*: A wide simulation project for simulating basic cognitive abilities via artificial brain, nervous systems...etc.)
9. *“Vortex Optimization Algorithm”*: A new nature-inspired continuous optimization algorithm.
10. *“Cognitive Development Algorithm”*: A new nature-inspired continuous optimization algorithm.
11. *“Algorithmic Reasoning Optimization”*: A new nature-inspired combinatorial optimization algorithm.

12. “A Global Programming Framework for Swarm Intelligence Optimization Algorithms”: A new, global programming framework for writing programs on swarm intelligence based algorithms.

Some samples to download: [http://www.utkukose.com/Kose\\_sample\\_publications.zip](http://www.utkukose.com/Kose_sample_publications.zip)

For recent publications and details, you can visit the academic profiles.

### Journal Papers (SCI Indexed):

1. Deperlioğlu, Ö., Köse, U., Gupta, D., Khanna, A. and Sangaiah, A. K., Diagnosis of heart diseases by a secure internet of health things system based on autoencoder deep neural network, *Computer Communications*, (In Press): 2020.
2. Winston, J. J., Türker, G. F., Köse, U. and Hemanth, J., Novel optimization based hybrid self-organizing map classifiers for iris image recognition, *International Journal of Computational Intelligence Systems*, 13(1), 30, 2020.
3. Aksoy, B. and Köse, U., Optimization of real-time wireless sensor based big data with deep autoencoder network: A tourism sector application with distributed computing, *Turkish Journal of Electrical Engineering & Computer Sciences*, (In Press): 2020, DOI: 10.3906/elk-2001-156.
4. Biroğul, S., Temür, G. and Köse, U., YOLO object recognition algorithm and “buy-sell decision” model over 2D candlestick charts, *IEEE Access*, 8, 91894-91915, 2020.
5. Rajesh, G., Raajini, X. M., Sagayam, K. M., Bhushan, B. and Köse, U., Fuzzy genetic based dynamic spectrum allocation (FGDSA) approach for cognitive radio sensor networks, *Turkish Journal of Electrical Engineering & Computer Sciences*, (In Press): 2020, DOI: 10.3906/elk-1907-206.
6. Tayal, A., Köse, U., Solanki, A., Nayyar, A. and Marmolejo Saucedo, J. A., Efficiency analysis for stochastic dynamic facility layout problem using meta-heuristic, data envelopment analysis and machine learning, *Computational Intelligence*, (In Press): 2019, DOI: 10.1111/coin.12251.
7. Gochhayat, S. P., Ial, C., Sharma, L., Sharma, D. P., Gupta, D., Marmolejo Saucedo, J. A. and Köse, U., Reliable and secure data transfer in IoT networks, *Wireless Networks*, (In Press): 2019, DOI: 10.1007/s11276-019-02036-0.
8. Gezer, B., Köse, U., Zubov, D., Deperlioğlu, Ö. and Vasant, P., Determining optimum carob powder adsorption for cleaning wastewater: Intelligent optimization with electro-search algorithm, *Wireless Networks*, (In Press): 2019, DOI: 10.1007/s11276-019-02035-1.
9. Gheisari, M., Alzubi, J., Zhang, X., Köse, U. and Marmolejo Saucedo, J. A., A new algorithm for optimization of quality of service in peer to peer wireless mesh networks, *Wireless Networks*, (In Press): 2019, DOI: 10.1007/s11276-019-01982-z.
10. Marmolejo, J. A., Hemanth, J. and Köse, U., Prediction of electroencephalogram time series with electro-search optimization algorithm trained adaptive neuro-fuzzy inference system, *IEEE Access*, 7, 15832-15844, 2019.
11. Hemanth, J., Deperlioğlu, Ö. and Köse, U., An enhanced diabetic retinopathy detection and classification approach using deep convolutional neural network, *Neural Computing and Applications*, 32, 707 – 721, (Online – Early View: 2019) 2020.
12. Gezer, B. and Köse, U., Ultrasonic-assisted extraction and swarm intelligence for calculating optimum values of obtaining boric acid from tincal mineral, *Processes*, 7(1), 30, 2019.
13. Köse, U., An ant-lion optimizer-trained artificial neural network system for chaotic electroencephalogram (EEG) prediction, *Applied Sciences*, 8(9), 1613, 2018.
14. Köse, U. ve Vasant, P., Better campus life for visually impaired university students: Intelligent social walking system with beacon and assistive technologies, *Wireless Networks*, First Online: 2018, DOI: 10.1007/s11276-018-1868-z.
15. Hemanth, J., Köse, U., Deperlioğlu, Ö. and de Albuquerque, V. H. C., An augmented reality supported mobile application for diagnosis of heart diseases, *Journal of Supercomputing*, 76(2), 1242 – 1267, (Online – Early View: 2018) 2020.
16. Vasant, P., Köse, U. and Watada, J., Metaheuristic techniques in enhancing the efficiency and performance of thermo-electric cooling devices, *Energies*, 10(11), 1703, 2017.
17. Köse, U. and Arslan, A., Time series prediction by a hybrid approach of artificial neural network and cognitive development optimization algorithm, *Scientia Iranica*, 26(2), 942 – 958, (Online – Early View: 2016) 2019.

18. Köse, U. and Arslan, A., Optimization of self-learning in computer engineering courses: an intelligent software system supported by artificial neural network and vortex optimization algorithm, *Computer Applications in Engineering Education*, 25(1), 142 – 156, 2017.
19. Köse, U. and Arslan, A., Forecasting chaotic time series via ANFIS supported by vortex optimization algorithm: Applications on electroencephalogram time series, *Arabian Journal for Science and Engineering*, 42, 3103 – 3114, (Online – Early View: 2016) 2017.
20. Köse, U. and Arslan, A., Intelligent e-learning system for improving students' academic achievements in computer programming courses, *International Journal of Engineering Education*, 32(1-A), 185 – 198, 2016.
21. Yalçın, N., Altun, Y. and Köse, U., Educational material development model for teaching computer network and system management, *Computer Applications in Engineering Education*, 23(4), 621 – 629, (Online – Early View: 2015) 2015.
22. Tüfekçi, A. and Köse, U., Bilgisayar programlama öğretiminde yapay zekâ tabanlı bir yazılım sisteminin geliştirilmesi ve değerlendirilmesi (*Development of an artificial intelligence based software system on teaching computer programming and evaluation of the system*), *Hacettepe University Journal of Education*, 28(2), 469 – 481, 2013.
23. Köse, U., Koç, D. and Yücesoy, S. A., Design and development of a sample “computer programming” course tool via story-based e-learning approach, *Educational Sciences: Theory & Practice*, 13(2), 1235 – 1250, 2013.
24. Deperlioğlu, Ö. and Köse, U., An educational tool for artificial neural networks, *Computers and Electrical Engineering*, 37(3), 392 – 402, 2011.
25. Deperlioğlu, Ö. and Köse, U., The effectiveness and experiences of blended learning approaches to computer programming education, *Computer Applications in Engineering Education*, 21(2), 328 – 342, (Online – Early View: 2010) 2013.

#### Journal Papers (Non-SCI Indexed):

1. Yılmazsoy, B., Kahraman, M. and Köse, U., Negative aspects of using social networks in education: A brief review on Whatsapp example. *Journal of Educational Technology and Online Learning*, 3(1), 69 – 90, 2020.
2. Yiğit, T., Köse, U. and Şengöz, N., Robotics rights and ethics rules. *Journal of Multidisciplinary Developments*, 3(1), 30 – 37, 2018.
3. Calp, M. H. and Köse, U., Planning activities in software testing process: a literature review and suggestions for future research, *Gazi University Journal of Science*, 31(3), 801 – 819, 2018.
4. Köse, U., Diabetes diagnosis with intelligent optimization based support vector machines (*In Turkish*), *Journal of Polytechnic, (In Press – in Early View)*, DOI: 10.2339/politeknik.418851.
5. Köse, U., Çankaya, Ş. F. and Deperlioğlu, Ö., Cyber wars under the shadow of artificial intelligence: A future perspective, *International Journal of Engineering Science and Application*, 2(2), 65 – 70, 2018.
6. Köse, U., Çankaya, İ. A. and Yiğit, T., Ethics and safety in the future of artificial intelligence: Remarkable issues, *International Journal of Engineering Science and Application*, 2(2), 71 – 76, 2018.
7. Köse, U., Developing a human controlled model for safe artificial intelligence systems (*In Turkish*), *Journal of Engineering Sciences and Design*, 6(1), 93 – 107, 2018, DOI: 10.21923/jesd.394527.
8. Boz, H. and Köse, U., Emotion extraction from facial expressions by using artificial intelligence techniques, *Broad Research in Artificial Intelligence and Neuroscience*, 9(1), 5 – 16, 2018.
9. Yeşil, T. and Köse, U., Assessment of the examination and regulations for the certificate of driver's vocational competence (SRC) in highway passenger and freight transportation and system recommendations in the technological context (*In Turkish*), *Route Educational and Social Science Journal*, 4(8), 468 – 480, 2017.
10. Furdu, I., Tomozei, C. and Köse, U., Pros and cons gamification and gaming in classroom, *Broad Research in Artificial Intelligence and Neuroscience*, 8(2), 56 – 62, 2017.
11. Yesil, T. and Köse, U., Web based bibliometric profile of Turkish articles on internal auditing as published between 2003-2013. *Journal of Multidisciplinary Developments*, 2(2), 2017.

12. **Köse, U.** and Vasant, P., Moral dilemma scenarios considering possible actions by humans and artificial intelligence based systems. *Journal of Multidisciplinary Developments*, 2(2), 39 – 49, 2017.
13. Pavaloiu, A. and **Köse, U.**, Ethical artificial intelligence – an open question. *Journal of Multidisciplinary Developments*, 2(2), 15 – 27, 2017.
14. **Köse, U.**, An introduction to artificial intelligence safety. *Journal of Multidisciplinary Developments*, 2(1), 28 – 32., 2017.
15. **Köse, U.**, A brief model suggestion for an artificial individual system. *Journal of Multidisciplinary Developments*, 2(1), 18 – 21, 2017.
16. **Köse, U.** and Sert, S., Improving content marketing processes with the approaches by artificial intelligence, *Ecoforum Journal*, 6(1), 2017.
17. Tüfekçi, A., Samancı, K. and **Köse, U.**, Developing a FPGA – supported touchscreen writing / drawing system for educational environments, *Journal of Multidisciplinary Developments*, 1(1), 60 – 90, 2016.
18. Tüfekçi, A., Balaman, Y. and **Köse, U.**, Designing a web-based interactive audio library automation system for visually-impaired people and evaluation of its usability, *Journal of Multidisciplinary Developments*, 1(1), 38 – 59, 2016.
19. **Köse, U.** and Arslan, A., Optimization with the idea of algorithmic reasoning, *Journal of Multidisciplinary Developments*, 1(1), 17 – 20, 2016.
20. Demir, A. and **Köse, U.** Solving optimization problems via vortex optimization algorithm and cognitive development optimization algorithm, *Broad Research in Artificial Intelligence and Neuroscience*, 7(4), 23 – 42, 2016.
21. **Köse, U.**, Güraksın, G. E. and Deperlioğlu, Ö., Cognitive development optimization algorithm based support vector machines for determining diabetes, *Broad Research in Artificial Intelligence and Neuroscience*, 7(1), 80 – 90, 2016.
22. Deperlioğlu, Ö., Güraksın, G. E. and **Köse, U.**, Biomedical decision making: reasoning and decision support with artificial intelligence, *Turkish Journal of Scientific Reviews*, 2016 (In Press).
23. **Köse, U.** and Tüfekçi, A., On the future possibilities of artificial intelligence based m-learning content development, *International Journal of Human, Community and Technology*, 1(2), 2 – 8, 2015.
24. **Köse, U.** and Tüfekçi, A., Algoritma ve akış şeması kavramlarının öğretiminde akıllı bir yazılım sistemi kullanımı [*Usage of an intelligent software system in teaching algorithm and flowchart concepts*], *Pegem Eğitim ve Öğretim Dergisi [Pegem Journal of Education and Instruction]*, 5(5), 569 – 586, 2015.
25. **Köse, U.** and Sert, S., Social media environments and their role on success of marketing processes [*Sosyal medya ortamları ve bu ortamların pazarlama süreçlerinin başarısı üzerindeki rolü*], *The Journal of Knowledge Economy and Knowledge Management [Bilgi Ekonomisi ve Yönetimi Dergisi]*, 10(2), 1 – 20, 2015.
26. **Köse, U.** and Arslan, A., Realizing an optimization approach inspired from Piaget’s theory on cognitive development, *Broad Research in Artificial Intelligence and Neuroscience*, 6(1-4), 15 – 22, 2015.
27. Tüfekçi, A., Bektaş, G. A. and **Köse, U.**, A research on contribution of computer game-based learning environments to students’ motivation, *Journal of Global Research in Education and Social Science*, 4(4), 235 – 244, 2015.
28. **Köse, U.** and Arslan, A., On the idea of a new artificial intelligence based optimization algorithm inspired from the nature of vortex, *Broad Research in Artificial Intelligence and Neuroscience*, 5(1-4), 60 – 66, 2014 (Published: 2015).
29. **Köse, U.** and Arslan, A., E-learning experience with artificial intelligence supported software: An international application on English language courses, *GLOKALde*, 1(3), 61 – 75, 2015.
30. **Köse, U.** and Deperlioğlu, Ö., FL-LAB v2: Design and development of an easy-to-use, interactive fuzzy logic control software system, *Applied Mathematics & Information Sciences*, 9(2), 883 – 897, 2015.
31. **Köse, U.**, On the state of free and open source e-learning 2.0 software, *International Journal of Open Source Software and Processes*, 5(2), 55 – 75, 2014.
32. **Köse, U.**, Koç, D. and Yücesoy, S. A., An augmented reality based mobile software to support learning experiences in computer science courses, *Procedia Computer Science*, 25, 370 – 374, 2013.

33. Tüfekçi, A., Ekinci, H. and **Köse, U.**, Development of an internet-based exam system for mobile environments and evaluation of its usability, *Mevlana International Journal of Education*, 3(4), 57 – 74, 2013.
34. **Köse, U.**, A sociologic evaluation: Effects of social networking caused e-learning on university students, *International Journal of Web Based Communities*, 9(2), 274 – 290, 2013.
35. **Köse, U.**, Design and development of a software system for swarm intelligence based research studies, *Broad Research in Artificial Intelligence and Neuroscience*, 3(3), 12 – 17, 2012.
36. Deperlioğlu, Ö., **Köse, U.** and Yıldırım, R., Design and development of an e-learning environment for the course of electrical circuit analysis, *Interdisciplinary Journal of E-Learning and Learning Objects*, 8, 51 – 63, 2012.
37. **Köse, U.** and Ülker, E., Pareto zarflama-temelli seçim algoritması (PESA) ile b-spline eğri tahmini [*B-spline curve estimation with pareto envelope-based selection algorithm (PESA)*], *Bilişim Teknolojileri Dergisi [International Journal of Informatics Technologies]*, 5(2), 25 – 31, 2012.
38. **Köse, U.**, Developing a fuzzy logic based game system, *Computer Technology and Application*, 3(7), 510 – 517, 2012.
39. **Köse, U.**, Fundamentals of fuzzy logic with an easy-to-use, interactive fuzzy control application, *International Journal of Modern Engineering Research*, 2(3), 1198 – 1203, 2012.
40. **Köse, U.** and Deperlioğlu, Ö., Intelligent learning environments within blended learning for ensuring effective c programming course, *International Journal of Artificial Intelligence and Applications*, 3(1), 105 – 124, 2012.
41. Yalçın, N. and **Köse, U.**, What is search engine optimization: SEO?, *Procedia Social and Behavioral Sciences*, 9, 487 – 493, 2011.
42. **Köse, U.**, A blended learning model supported with web 2.0 technologies, *Procedia Social and Behavioral Sciences*, 2(2), 2794 – 2802, 2010.
43. **Köse, U.**, A web based system for project-based learning activities in ‘web design and programming’ course, *Procedia Social and Behavioral Sciences*, 2(2), 1174 – 1184, 2010.

#### **International Keynote Speaks:**

1. **Köse, U.** “Superintelligence and Technological Singularity”, Scientific Methods in Academic Research and Teaching 2018 (SMART 2018 – 7-10 June 2018), Speak @ 8 June 2018, Bacau – Iasi / Romania, (*In Press*).
2. **Köse, U.** “Are We Safe Enough in the Future of Artificial Intelligence? A Discussion on Machine Ethics and Artificial Intelligence Safety”, Scientific Methods in Academic Research and Teaching 2017 (SMART 2017 – 8-9 September 2017), Speak @ 8 September 2017, Timisioara / Romania, Published: *Broad Research in Artificial Intelligence and Neuroscience*, 9(2), 184 – 197, 2018.

#### **International Conference / Symposium / Congress...etc. Papers:**

1. Deperlioğlu, Ö. and **Köse, U.**, “Underwater Image Enhancement with Dark Channel Prior Based Image Dehazing and Histogram Equalization”, International Conference on Artificial Intelligence and Applied Mathematics in Engineering (ICAIAME 2019), Antalya, Turkey, 2019.
2. Yiğit, T., Çelik, S. and **Köse, U.**, “Artificial Intelligence for Improving Physical Medical Device Using Experience”, International Conference on Artificial Intelligence and Applied Mathematics in Engineering (ICAIAME 2019), Antalya, Turkey, 2019.
3. Koçak, Ç., Işık, A. H. and **Köse, U.**, “Ortam Zekâsı Örneği: Akıllı Arı Kovanı”, International Conference on Artificial Intelligence and Applied Mathematics in Engineering (ICAIAME 2019), Antalya, Turkey, 2019.
4. Yeşil, T., Akyüz, F. and **Köse, U.**, “Forecasting Housing Prices by Using Artificial Neural Networks”, International Conference on Artificial Intelligence and Applied Mathematics in Engineering (ICAIAME 2019), Antalya, Turkey, 2019.
5. Koçak, Ç., and **Köse, U.**, “Neden Teknolojik Tekillik?”, International Conference on Technology and Science (Techno-Science 2019), Burdur, Turkey, 2019.
6. **Köse, U.**, “A Hybrid SVM-WOA Approach for Intelligent Fault Diagnosis Applications”, International Conference on Innovations in Intelligent Systems and Applications (ASYU-INISTA 2019), Izmir, Turkey, 2019.

7. **Köse, U.** and Deperlioğlu, Ö., “Electro-Search Algorithm and Autoencoder Based Recurrent Neural Network for Practical Medical Diagnosis”, International Conference on Innovations in Intelligent Systems and Applications (ASYU-INISTA 2019), Izmir, Turkey, 2019.
8. **Köse, U.** and Deperlioğlu, Ö., “Adversarial Examples as a Threat for Artificial Intelligence Safety in Biomedical Engineering Problems”, International Conference on Data Science and Applications (ICONDATA 2019), Balıkesir, Turkey, 2019.
9. Deperlioğlu, Ö. and **Köse, U.**, “An Intelligent Medical Diagnosis System with Tree-Seed Algorithm Trained Support Vector Machines”, International Conference on Data Science and Applications (ICONDATA 2019), Balıkesir, Turkey, 2019.
10. **Köse, U.**, “Techniques for Adversarial Examples Threatening the Safety of Artificial Intelligence Based Systems”, International Science and Innovation Congress 2019 (INSI 2019), Denizli, Turkey, 2019.
11. **Köse, U.**, “Occurrence of a Cyber Security Eco-System: A Nature Oriented Project and Evaluation of an Indirect Social Experiment”, International Scientific and Vocational Studies Congress – Engineering 2019 (BILMES EN 2019), Nevşehir, Turkey, 2019.
12. Koçak, Ç., Bilen, M. and **Köse, U.**, “Nesnelerin İnternetinden Ortam Zekasına Yolculuk”, International Marmara Sciences Congress (IMASCON 2019), Kocaeli, Turkey, 2019.
13. Deperlioğlu, Ö. and **Köse, U.**, “Practical Method for the Underwater Image Enhancement with Adjusted CLAHE”, International Conference on Artificial Intelligence and Data Processing 2018 (IDAP 2018), Malatya, Turkey, Published by IEEE, 2018.
14. Deperlioğlu, Ö. and **Köse, U.**, “Yeniden Eğitilmiş Sinir Ağları Kullanarak Diabet Tespiti”, International Conference on Artificial Intelligence and Data Processing 2018 (IDAP 2018), Malatya, Turkey, Published by IEEE, 2018.
15. Deperlioğlu, Ö. and **Köse, U.**, “Diagnosis of Diabetic Retinopathy by Using Image Processing and Convolutional Neural Network (*In Turkish*)”, International Symposium on Multidisciplinary Studies and Innovative Technologies 2018 (ISMSIT 2018), Ankara, Turkey, Published by IEEE, 2018.
16. Deperlioğlu, Ö. and **Köse, U.**, “Diagnosis of Diabetes by Using Deep Neural Network (*In Turkish*)”, International Symposium on Multidisciplinary Studies and Innovative Technologies 2018 (ISMSIT 2018), Ankara, Turkey, Published by IEEE, 2018.
17. Zubov, D., **Köse, U.**, Ramadhan, A. J. and Kupin, A., “Mesh Network of eHealth Intelligent Agents in Smart City: A Case Study on Assistive Devices for Visually Impaired People”, International Workshop on Informatics & Data-Driven Medicine 2018 (IDDM 2018), Lviv, Ukraine, 2018.
18. Akyüz, F., **Köse, U.** and Yeşil, T., “Cryptocurrency: Bitcoin Accounting (*In Turkish*)”, International Congress on Accounting and Finance Research 2018 (ICAFR 2018), İzmir, Turkey, 2018.
19. **Köse, U.** and Pavaloiu, A., “A Cross-Cultural Perspective on the Societal Impact of Artificial Intelligence”, International Virtual Conference on Advanced Scientific Results / Online Scientific Conference 2017 (ScieConf 2018), Slovakia, 2018.
20. Öznacar, B. and **Köse, U.** “An Intelligent Decision Support System for Educational Management in Universities”, Scientific Methods in Academic Research and Teaching 2018 (SMART 2018), Bacau, Romania, 2018.
21. Akyüz, F., Yeşil, T. and **Köse, U.** “An Alternative Approach for Breakeven Point Analysis: Artificial Neural Network”, Scientific Methods in Academic Research and Teaching 2018 (SMART 2018), Bacau, Romania, 2018.
22. Deperlioğlu, Ö., **Köse, U.** and Güraksın, G. E., “Underwater Image Enhancement with HSV and Histogram Equalization”, International Conference on Advanced Technologies 2018 (ICAT 2018), Antalya, Turkey, 2018.
23. Gençer, E. and **Köse, U.**, “How Personal Background Information About A Speaker Influence The Learning: A Study On Ted-Talk Video” (*Abstract*), International Conference on Education in Mathematics, Science and Technology 2018 (ICEMST 2018), Muğla, Turkey, 2018.
24. Yılmaz, Y., **Köse, U.**, Çelik, S., Çankaya, Ş. F. and Çankaya, İ. A. “An Arduino Based System for Calculating the Average Life Time of a Person via Indoor Oxygen Content”, 2018 Electric Electronics, Computer Science, Biomedical Engineerings’ Meeting 2018 (EBBT 2018), İstanbul, Turkey, Published by IEEE, 2018.

25. **Köse, U.**, Uğur, S. and Vasant, P. “Design and Development of a Diagnosis System with a SVM-VOA Hybrid Model Approach”, International Virtual Research Conference in Technical Disciplines 2017 (RCITD 2017), 45 - 51, DOI: 10.18638/rcitd.2017.5.1.108, Slovakia, 2017.
26. **Köse, U.** and Vasant, P., “Fading Intelligence Theory: A Theory on Keeping Artificial Intelligence Safety for the Future”, International Conference on Artificial Intelligence and Data Processing 2017 (IDAP 2017), Malatya, Turkey, Published by IEEE, 2017.
27. Boz, H. and **Köse, U.** “Emotion Extraction from Facial Expressions by Using Artificial Intelligence Techniques”, Scientific Methods in Academic Research and Teaching 2017 (SMART 2017), Timisioara, Romania, 2017, Published: *Broad Research in Artificial Intelligence and Neuroscience*, 9(1), 5 – 16, 2018.
28. **Köse, U.** and Gezer, B., “Optimum Conditions for Obtaining Boric Acid from Tincal with UAE and Swarm Intelligence Based Optimization”, International Scientific and Vocational Studies Congress 2017 (BILMES 2017), Nevsehir, Turkey, 2017, Published also as article in: Gezer, B. and Köse, U. International Refereed Journal of Engineering and Sciences (UHMFD), 12, 47 – 70, 2018, DOI: 10.17366/uahmf.2018.1.3.
29. Gezer, B. and **Köse, U.**, “Optimization of Design Parameters for Producing Boric Acid from Colemanite with UAE and Artificial Intelligence”, International Scientific and Vocational Studies Congress 2017 (BILMES 2017), Nevsehir, Turkey, 2017.
30. Pavaloiu, A., **Köse, U.** and Boz, H., “How to Apply Artificial Intelligence (AI) in Social Sciences? (*Extended Abstract*)”, International Applied Social Sciences Congress (IASOS 2017), Usak, Turkey, 2017.
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4. **Köse, U.**, “Artificial Intelligence and the Future: Should We Worry? (*In Turkish*)”, *Science and the Utopia*, Year: 24, Issue: 284, 39-44, 2018.

### **Thesis Work:**

1. **Köse, U.**, “Yapay Zekâ Tabanlı Optimizasyon Algoritmaları Geliştirilmesi (*Development of Artificial Intelligence Based Optimization Algorithms*)”, Doctor of Science (PhD.) Thesis, Selçuk University – Institute of Natural and Applied Science, Dept. of Computer Engineering, 2017.
2. **Köse, U.**, “Bulanık Mantık ve Yapay Sinir Ağları için Eğitim Yazılımı Geliştirilmesi (*Developing Education Software for Fuzzy Logic and Artificial Neural Networks*)”, Master of Science Thesis, Afyon Kocatepe University – Institute of Science and Technology, Dept. of Computer, 2010.
3. **Köse, U.**, “Radyo Kontrollü Dört Yönlü Gezgin Robot Benzetimi Üzerine Bir Çalışma (*A Study on Simulation of Radio Controlled Four Way Traveller Robot*)”, Bachelor of Science Thesis, Gazi University – Faculty of Industrial Arts Education, Dept. of Computer Education, 2008.

## Publications Cited:

**For the instant up-to-date list and numbers: [Google Scholar](#)**

**Total Citation:** 1223

**h index:** 17

**h-10 index:** 33

**Distribution among the publications (the first 15 publications are kept up-to-date; please visit the [profile](#) for most recent rates):**

1. A blended learning model supported with Web 2.0 technologies (172 times).
2. What is search engine optimization: SEO? (122 times).
3. Web 2.0 Teknolojilerinin Eğitim Üzerindeki Etkileri ve Örnek Bir Öğrenme Yaşantısı (64 times).
4. An augmented reality based mobile software to support learning experiences in computer science courses (56 times).
5. The effectiveness and experiences of blended learning approaches to computer programming education (56 times).
6. A web based system for project-based learning activities in “web design and programming” course (43 times).
7. Pros and Cons Gamification and Gaming in Classroom (36 times).
8. An educational tool for artificial neural networks (31 times).
9. Optimization of self-learning in Computer Engineering courses: An intelligent software system supported by Artificial Neural Network and Vortex Optimization Algorithm (29 times).
10. Intelligent learning environments within blended learning for ensuring effective c programming course (22 times).
11. Development of an internet-based exam system for mobile environments and evaluation of its usability (21 times).
12. Improving Content Marketing Processes with the Approaches by Artificial Intelligence (19 times).
13. Metaheuristic techniques in enhancing the efficiency and performance of thermo-electric cooling devices (18 times).
14. An augmented reality-supported mobile application for diagnosis of heart diseases (16 times).
15. An ant-lion optimizer-trained artificial neural network system for chaotic electroencephalogram (EEG) prediction (16 time).
16. On the idea of a new artificial intelligence based optimization algorithm inspired from the nature of vortex (15 times).
17. Design and development of a sample “computer programming” course tool via story-based e-learning approach (13 times).
18. Web 2.0 Technologies in E-Learning (12 times).
19. Present State of Swarm Intelligence and Future Directions (11 times).
20. Educational material development model for teaching computer network and system management (9 times).
21. Algoritma ve akış şeması kavramlarının öğretiminde akıllı bir yazılım sistemi kullanımı (*Usage of an intelligent software system in teaching algorithm and flowchart concepts*) – (7 times).
22. Realizing an optimization approach inspired from piaget’s theory on cognitive development (7 times).
23. Web 2.0 Servislerinin Sosyolojik Değerlendirilmesi (7 times).
24. Forecasting chaotic time series via ANFIS supported by vortex optimization algorithm: Applications on electroencephalogram time series (6 times).
25. Underwater Image Enhancement based on Contrast Adjustment via Differential Evolution Algorithm (6 times).
26. Diabetes determination via vortex optimization algorithm based support vector machines (6 times).
27. Artificial Intelligence Applications in Distance Education (6 times).
28. Headache Diagnosis by Using the Clonal Selection Algorithm (6 times).

29. An Educational, Virtual Laboratory System for Fuzzy Logic (5 times).
30. Intelligent e-learning system for improving students' academic achievements in computer programming courses (5 times).
31. Design and development of an e-learning environment for the course of electrical circuit analysis (5 times).
32. Developing a fuzzy logic based game system (5 times).
33. Fundamentals of fuzzy logic with an easy-to-use, interactive fuzzy control application (5 times).
34. Ethical artificial intelligence – an open question (4 times).
35. Cognitive development optimization algorithm based support vector machines for determining diabetes (4 times).
36. E-learning experience with artificial intelligence supported software: An international application on English language courses (4 times).
37. On the state of free and open source e-learning 2.0 software (4 times).
38. Chaotic Systems and Their Recent Implementations on Improving Intelligent Systems (4 times).
39. Bulanık Mantık ve Yapay Sinir Ağları için Eğitim Yazılımı Geliştirilmesi (*Developing Education Software for Fuzzy Logic and Artificial Neural Networks*) – (4 times).
40. E-Öğrenme Sistemlerinde Verimlilik Artırımının Gözlenmesi: Afyon Kocatepe Üniversitesi Örneği (*Investigation of Efficiency Improvement in E-Learning Systems and the Afyon Kocatepe University Example*) – (4 times).
41. An Adaptive Neuro-Fuzzy Inference System-Based Approach to Forecast Time Series of Chaotic Systems (4 times).
42. A sociologic evaluation: effects of social networking caused e-learning on university students (3 times).
43. A Web Based Education System for Teaching and Learning Fuzzy Logic (3 times).
44. Bilişim Suçlarıyla Mücadelede Üniversite ve Emniyet İşbirliği: Bir Eğitim Süreci (*University and Police Cooperation in Fighting Against Cybercrimes: An Education Process*) – (2 times).
45. Development of an artificial intelligence based software system on teaching computer programming and evaluation of the system (2 times).
46. Sending E-Mail with an Encrypting Algorithm Based on Private-Key Encryption (2 times).
47. Effects of Social Media on Students: An Evaluation Approach in Turkey (2 times).
48. Optimization with the idea of algorithmic reasoning (2 times).
49. Intelligent Optimization for Logistics (2 times).
50. FL-LAB v2: Design and development of an easy-to-use, interactive fuzzy logic control software system (2 times).
51. Dealing with Machine Ethics in Daily Life: A View with Examples (2 times).
52. Design Principles for an Intelligent-Augmented-Reality-Based M-Learning Application to Improve Engineering Students' English Language Skills (1 time).
53. An Artificial Intelligence Perspective on Ensuring Cyber-Assurance for the Internet of Things (1 time).
54. A software system for intelligent mathematical optimization of content marketing (1 time).
55. For an Intelligent E-Learning: A Managerial Model Suggestion for Artificial Intelligence Supported E-Learning Content Flow (1 time).
56. Impact of social media on marketing: A view on success stories (1 time).
57. Design and Development of a Chaos-Based Image Encryption System (1 time).
58. Siber Suçlara Karşı Türk Hukukundaki Cezaî Yaptırımların Yeterliği (*Competency of Criminal Sanctions of Turkish Law against Cyber-Crimes*) – (1 time).
59. Design and development of a software system for swarm intelligence based research studies (1 time).
60. Using Data Mining Techniques in E-learning (1 time).
61. An Advanced M-Learning System for Teaching Artificial Intelligence Techniques (1 time).
62. WebALGO: Algoritma Öğreniminde İnternet Tabanlı Bir Eğitimsel Materyal Geliştirilmesi (*WebALGO: Development of an Internet Based Educational Material on Learning Algorithm*) – (1 time).
63. Ethics and safety in the future of artificial intelligence: Remarkable issues (1 time).
64. A Model of Swarm Intelligence Based Optimization Framework Adjustable According to Problems (1 time).



65. An augmented-reality-based intelligent mobile application for open computer education (1 time).
66. Moral dilemma scenarios considering possible actions by humans and artificial intelligence based systems (1 time).
67. Design Principles for an Intelligent-Augmented-Reality-Based M-Learning Application to Improve Engineering Students' English Language Skills (1 time).
68. Yapay Zeka Tabanlı Optimizasyon Algoritmaları Geliştirilmesi (1 time).
69. Intelligent Content Marketing with Artificial Intelligence (1 time).
70. Developing a FPGA – supported touchscreen writing / drawing system for educational environments (1 time).
71. Improving Underwater Image Quality via Vortex Optimization Algorithm (1 time).
72. *...for rest of the list: [Google Scholar](#)*

## **MSc. and PhD. Supervising:**

### **Supervising Count:**

1. MSc.: 10 Students (8 National + 2 International)
2. PhD.: 2 Student (2 National)

### **Supervised Thesis:**

1. Diagnosis of Diabetic Retinography Disease by Using Image Processing and Convolutional Neural Network (MSc. – Tolga Tükel), **Ended: 07.08.2019.**
2. In-City Bus Routing with Particle Swarm Optimization (*In Progress*; MSc. – Aslı Bayındır)
3. Developing Artificial Intelligence Based Mobile Expert System Application for Personal Health Support (*In Progress*; MSc. – İsmail Ali Afrah)

## **Reviewerships/Memberships/Conference Support:**

### **International Institutional Reviewerships:**

1. EUREKA Eurostars Technical Expert / Reviewer – European Union

### **International Journal Editorial Board Membership:**

2. Computer and Information Science – CCSE
3. Computer Technology and Application – David Publishing
4. European Journal of Renewable Energy – Academic Publishing House Researcher
5. Experimental Results – Cambridge University Press 
6. IEEE Access – IEEE 
7. International Journal of Artificial Intelligence and Applications – AIRCC
8. International Journal of Computing and Optimization – Hikari Ltd.
9. International Journal of Hyperconnectivity and the Internet of Things – IGI Global
10. International Journal of Informatics Technologies – Gazi University, Informatics Institute (2018-2020)
11. International Journal of Internet of Things and Cyber-Assurance – Inderscience
12. International Journal of Internet of Things and Its Applications – SERSC
13. International Journal of Wearable Device – GV School Publication
14. Journal of Multidisciplinary Developments – Utku Kose
15. Material Science Research India – Oriental Scientific Publishing
16. Süleyman Demirel University Journal of Nature Sciences Institute – Süleyman Demirel University, Natural Sciences Institute
17. The Research Journal of Artificial Intelligence and Machine Learning – UPI

### **International Journal Reviewing:**

1. ACM Transactions on Multimedia Computing Communications and Applications – ACM
2. Advances in Materials Science and Engineering – Hindawi
3. Advances in Research – Sciencedomain International



4. Advances in Science, Technology and Engineering Systems Journal – ASTES
5. Afyon Kocatepe University Journal of Nature and Engineering Sciences – Afyon Kocatepe University, Natural Sciences Institute
6. American Journal of Experimental Agriculture – Sciencedomain International
7. American Journal of Software Engineering and Applications – SciencePG
8. Annals of Telecommunications – Springer
9. Annual Research & Review in Biology – Sciencedomain International
10. Applied Sciences – MDPI
11. Applied Soft Computing – Elsevier
12. Archives of Current Research International – Sciencedomain International
13. Artificial Intelligence in Medicine – Elsevier
14. Artificial Intelligence Review – Springer
15. AshEse Journal of Engineering – AshEse Visionary
16. Asian Journal of Advances in Agricultural Research – Sciencedomain International
17. Asian Journal of Agricultural Extension, Economics and Sociology – Sciencedomain International
18. Asian Journal of Biotechnology and Genetic Engineering – Sciencedomain International
19. Asian Journal of Current Research – International Knowledge Press
20. Asian Journal of Economics, Business and Accounting – Sciencedomain International
21. Asian Journal of Education and Social Studies – Sciencedomain International
22. Asian Journal of Geographical Research – Sciencedomain International
23. Asian Journal of Geological Research – Sciencedomain International
24. Asian Journal of Language, Literature and Culture Studies – Sciencedomain International
25. Asian Journal of Mathematics and Computer Research – International Knowledge Press
26. Asian Journal of Pediatric Research – Sciencedomain International
27. Asian Journal of Probability and Statistics – Sciencedomain International
28. Asian Journal of Research in Computer Science – Sciencedomain International
29. Asian Journal of Research and Review in Physics – Sciencedomain International
30. Asian Research Journal of Arts and Social Sciences – Sciencedomain International
31. Asian Research Journal of Mathematics – Sciencedomain International
32. Assistive Technology – Taylor and Francis
33. Asya Studies – Mehmet Akif Kara
34. Big Data and Cognitive Computing – MDPI
35. Biomedical and Pharmacology Journal – BPJ
36. Bitlis Eren University Journal of Science (*Bitlis Eren Üniversitesi Fen Bilimleri Dergisi*) – Bitlis Eren University
37. BMJ – The British Medical Association
38. British Journal of Applied Science and Technology – Sciencedomain International
39. British Journal of Economics, Management and Trade – Sciencedomain International
40. British Journal of Education, Society and Behavioural Science – Sciencedomain International
41. British Journal of Mathematics and Computer Science – Sciencedomain International
42. British Journal of Medicine and Medical Research – Sciencedomain International
43. Broad Research in Artificial Intelligence and Neuroscience – EduSoft Publishing
44. Central European Journal of Operations Research – Springer
45. Cities – Elsevier
46. Cognitive Systems Research – Elsevier
47. Complex Adaptive Systems Modeling – Springer
48. Computational Intelligence – Wiley
49. Computer and Information Science – CCSE
50. Computer Applications in Engineering Education – Wiley
51. Computer Communications – Elsevier
52. Computer Languages, Systems & Structures – Elsevier
53. Computer Methods and Programs in Biomedicine – Elsevier
54. Computer Technology and Application – David Publishing
55. Computers – MDPI
56. Computers and Electronics in Agriculture – Elsevier
57. Computers and Education – Elsevier
58. Computers and Electrical Engineering – Elsevier
59. Computers in Human Behavior – Elsevier



60. Current Bioinformatics – Bentham
61. Current Journal of Applied Science and Technology – Sciendomain International
62. Cyber-Physical Systems – Taylor & Francis
63. Çukurova University Faculty of Education Journal (*Çukurova Eğitim Fakültesi Dergisi*) – Çukurova University, Faculty of Education
64. Data – MDPI
65. Digital Signal Processing – Elsevier
66. Earth Science Informatics – Springer
67. Ecoforum Journal – “Stefan cel Mare” University of Suceava
68. Education and Information Technologies – Springer
69. E-Journal of New World Sciences Academy – NWSA
70. Electronic Commerce Research – Springer
71. Energies – MDPI
72. Enterprise Information Systems – Taylor & Francis
73. EURASIP Journal on Image and Video Processing – Springer
74. European Journal of Engineering Education – Taylor and Francis
75. European Journal of Science and Technology – Osman Sağdıç
76. Experimental Results – Cambridge University Press
77. Expert Systems – Wiley
78. Frontiers in Human Neuroscience – Frontiers
79. Gazi University Journal of Engineering and Architecture – Gazi University
80. Gazi University Journal of Science – Gazi University
81. Gazi Journal of Engineering Sciences - Gazi University
82. Heliyon – Elsevier
83. IEEE Access – IEEE
84. IEEE Transactions on Fuzzy Systems – IEEE
85. IEEE Internet of Things Journal – IEEE
86. IEEE Internet of Things Magazine – IEEE
87. IEEE Journal of Biomedical and Health Informatics – IEEE
88. IEEE Journal on Selected Areas in Communications – IEEE
89. IEEE Transactions on Education – IEEE
90. IEEE Transactions on Evolutionary Computation – IEEE
91. IET Software – IET
92. Indian Journal of Science and Technology – Indian Society of Education and Environment
93. Informatics – MDPI
94. Informing Science: The International Journal of an Emerging Transdiscipline – ISI
95. Intelligent Decision Technologies: An International Journal – IOS Press
96. Interactive Learning Environments – Taylor and Francis
97. Interdisciplinary Journal of e-Skills and Lifelong Learning – ISI
98. Interdisciplinary Journal of Information, Knowledge, and Management – ISI
99. International Journal of Artificial Intelligence and Applications – AIRCC
100. International Journal of Assessment Tools in Education – Pamukkale University, Faculty of Education
101. International Journal of Communication Systems – Wiley
102. International Journal of Community Development and Management Studies – ISI
103. International Journal of Computer Science and Information Technology – AIRCC
104. International Journal of Computing and Optimization – Hikari
105. International Journal of Energy Optimization and Engineering – IGI Global
106. International Journal of Engineering Education – Tempus Publications
107. International Journal of Forensic Software Engineering – Inderscience
108. International Journal of Fuzzy Logic Systems – Wireilla
109. International Journal of Fuzzy Systems – Springer
110. International Journal of Informatics Technologies – Gazi University, Informatics Institute
111. International Journal of Information Communication Technologies and Human Development – IGI Global
112. International Journal of Innovative Computing and Applications – Inderscience
113. International Journal of Internet of Things and Cyber-Assurance – Inderscience
114. International Journal of Medical Informatics – Elsevier
115. International Journal of Network Security and Its Applications – AIRCC



116. International Journal of Software Engineering and Applications – AIRCC
117. International Journal of Web Based Communities – Inderscience
118. International Journal on Artificial Intelligence Tools – World Scientific
119. International Journal on Natural Language Computing – AIRCC
120. International Research Journal of Public and Environmental Health – JIssues
121. Journal of Advances in Mathematics and Computer Science – Sciencedomain International
122. Journal of Advances in Medicine and Medical Research – Sciencedomain International
123. Journal of Advances in Microbiology – Sciencedomain International
124. Journal of Ambient Intelligence and Humanized Computing – Springer
125. Journal of Applied Computer Science and Mathematics – “Stefan cel Mare” University of Suceava
126. Journal of Applied Physical Science International – International Knowledge Press
127. Journal of Basic and Applied Research International – International Knowledge Press
128. Journal of Computing in Higher Education – Springer
129. Journal of Digital Information Management – DIRF
130. Journal of Economics, Management and Trade – Sciencedomain International
131. Journal of Economics and Management – Economy University of Katowice
132. Journal of Education, Society and Behavioural Science – Sciencedomain International
133. Journal of Electronic Imaging – SPIE
134. Journal of Engineering Research and Reports – Sciencedomain International
135. Journal of Engineering Sciences and Design – Süleyman Demirel University, Faculty of Engineering
136. Journal of Experimental and Theoretical Artificial Intelligence – Taylor and Francis
137. Journal of Geography, Environment and Earth Science International – Sciencedomain International
138. Journal of Global Research in Education and Social Science – International Knowledge Press
139. Journal of ICT Research and Applications – ITB Journal Publisher
140. Journal of Information Technology Education: Innovations in Practice – ISI
141. Journal of Information Technology Education: Research – ISI
142. Journal of Modern Optics – Taylor and Francis
143. Journal of Multidisciplinary Developments – Utku Kose
144. Journal of Scientific Research and Reports – Sciencedomain International
145. Journal of Systems and Software – Elsevier
146. Journal of Uncertainty Analysis and Applications – Springer
147. Kastamonu University Journal of Engineering and Natural Sciences – Kastamonu University
148. Knowledge-Based Systems – Elsevier
149. Machine Learning Research – SciencePG
150. Material Science Research India – Oriental Scientific Publishing
151. Mathematical and Computational Applications – MDPI
152. Mathematical Problems in Engineering – Hindawi
153. Measurement – Elsevier
154. Minerals – MDPI
155. Multimedia Tools and Applications – Springer
156. Neural Computing and Applications – Springer
157. Open Computer Science – De Gruyter
158. Physica A – Elsevier
159. Physical Science International Journal – Sciencedomain International
160. Polytechnic Journal – Gazi University
161. Physical Communication – Elsevier
162. Recent Patents on Computer Science – Bentham Science
163. Research Journal of Modern Institute of Computer Application – PES MICA
164. Selçuk University Journal of Engineering, Science and Technology – Selçuk University
165. Soft Computing – Springer
166. Software: Practice and Experience – Wiley
167. Studies in Higher Education – Taylor and Francis
168. Süleyman Demirel University Journal of Nature Sciences Institute – Süleyman Demirel University, Natural Sciences Institute
169. Sustainability – MDPI

170. Sustainable Cities and Society – Elsevier
171. Technology, Knowledge and Learning – Springer
172. The Anthropologist – KRE
173. The Open Cybernetics and Systemics Journal – Bentham Open
174. The Scientific World Journal – Hindawi
175. The Turkish Online Journal of Distance Education – Anadolu Üniversiteleri
176. Transactions on Emerging Telecommunications Technologies – Wiley
177. Turkey Informatics Foundation Computer Sciences and Engineering Journal – Turkey Informatics Foundation
178. Turkish Journal of Electrical Engineering & Computer Sciences – TUBITAK
179. Virtual Reality – Springer
180. Wireless Networks – Springer

**International Edited Book Reviewing / Editorial Board Membership / Proposal Reviewing:**

1. Research and Innovations in Data Protection and Privacy in Healthcare, CRC Press (Book Proposal), 2020.
2. Security and Privacy in the Internet of Things, CRC Press (Book Proposal), 2019.
3. Emerging Trends and the Role of Fog, Edge and Pervasive Computing in Intelligent IoT-Driven Applications, Wiley-IEEE Press (Book Proposal), 2019
4. Content Based Image Classification, CRC Press (Book Proposal), 2019.
5. Machine Learning: Theory and Practice, CRC Press (Book Proposal), 2019.
6. Educational Networking (Lecture Notes in Social Networks), Springer, (Book Chapter), 2019.
7. A First Course in Artificial Intelligence, Bentham Science Publishers (Book Proposal), 2018.
8. Nature Inspired Optimization for Image Processing, CRC Press (Book Proposal), 2018.
9. Advanced Agro-Engineering Technologies for Rural Business Development, IGI Global, (Book Chapter), 2019.
10. Mobile Technologies and Augmented Reality in Open Education, IGI Global, (Book Chapter), 2016.
11. Modern Optimization Algorithms and Applications in Engineering and Economics, IGI Global, (Book Chapter), 2015.
12. Multicultural Awareness and Technology in Higher Education: Global Perspectives, IGI Global, (Book Chapter), 2014.

**International Academic Conference / Symposium / Congress...etc. Chairmanship:**

1. International Conference on Artificial Intelligence and Applied Mathematics in Engineering 2019 [ICAIAME 2019 (20 - 22 April 2019)]

**International Academic Conference / Symposium / Congress...etc. Committee Member / Reviewing:**

1. Informing Science + IT Education Conferences 2019 [InSITE 2019 (30 June - 5 July 2019)]
2. International Scientific and Vocational Studies Congress [BILMES 2019 (27 - 30 June 2019)]
3. International Vocational Schools Symposium 2019 [UMYOS 2019 (11 - 13 June 2019)]
4. IEEE International Conference on Machine Learning and Applications 2018 [ICMLA 2018 (17 - 20 December 2018)]
5. Scientific Conference - Multidisciplinary Studies and Approaches 2018 [QUAESTI 2018 (10 - 15 December 2018)]
6. European Conference on e-Learning 2018 [ECEL 2018 (1 - 2 November 2018)]
7. International Conference on Artificial Intelligence and Applications 2018 [AI 2018 (27, 28 October 2018)]
8. International Conference Europe Middle East and North Africa on Information Systems and Technologies 2018 [EMENA-ISTL 2018 (25 - 27 October 2018)]
9. International Vocational Schools Symposium 2018 [UMYOS 2018 (16 - 18 October 2018)]
10. Informing Science + IT Education Conferences 2018 [InSITE 2018 (31 July - 5 August 2018)]
11. International Virtual Conference on Advanced Scientific Results [SCIECONF 2018 (25 - 29 June 2018)]
12. International Conference on Scientific Methods in Academic Research and Teaching 2018 [SMART 2018 (7 - 10 June 2018)]

13. International Conference on Mathematics and Artificial Intelligence 2018 [ICMAI 2018 (20 - 22 April 2018)]
14. EAI International Conference on Computer Science and Engineering 2018 [COMPSE 2018 (2 - 3 March 2018)]
15. Scientific Conference - Multidisciplinary Studies and Approaches 2017 [QUAESTI 2017 (9 - 16 December 2017)]
16. Research Conference in Technical Disciplines 2017 [RCITD 2017 (13 - 17 November 2017)]
17. Information Systems International Conference 2017 [ISICO 2017 (6 - 8 November 2017)]
18. International Conference on Computer Science and Engineering 2017 [COMPSE 2017 (3 - 4 November 2017)]
19. International Conference on Computer Science and Application Engineering 2017 [CSAE 2017 (21 - 23 October 2017)]
20. Human and Social Sciences at the Common Conference 2017 [HASSACC 2017 (25 - 29 September 2017)]
21. International Conference on Soft Computing, Artificial Intelligence and Applications 2017 [SCAI 2017 (23 - 24 September 2017)]
22. ATINER's (Athens Institute for Education and Research) Conference Paper Series (September 2017)
23. Informing Science + IT Education Conferences 2017 [InSITE 2017 (31 July - 5 August 2017)]
24. International Conference on Fuzzy Logic Systems 2017 [FUZZY 2017 (29 - 30 July 2017)]
25. International Congress on Natural and Engineering Sciences 2017 [ICNES 2017 (21 - 35 July 2017)]
26. International Virtual Conference on Advanced Scientific Results 2017 [SCIECONF 2017 (26 - 30 June 2017)]
27. International Vocational Schools Symposium 2017 [UMYOS 2017 (18 - 20 May 2017)]
28. International Conference on Artificial Intelligence, Soft Computing and Applications 2017 [AISCA 2017 (25 - 26 March 2017)]
29. International Conference on Artificial Intelligence and Applications 2017 [AIAPP 2017 (25 - 26 March 2017)]
30. European Conference on e-Learning 2017 [ECEL 2017 (26 - 27 October 2017)]
31. International Conference on Soft Computing Artificial Intelligence and Applications 2016 [SAI 2016 (12 - 13 November 2016)]
32. International Conference on Computer Science and Engineering 2016 [COMPSE 2016 (11 - 12 November 2016)]
33. International Conference on Advanced Research in Scientific Areas 2016 [ARSA 2016 (7 - 11 November 2016)]
34. Research Conference in Technical Disciplines 2016 [RCITD 2016 (17 - 21 October 2016)]
35. Human and Social Sciences at the Common Conference 2016 [HASSACC 2016 (3 - 7 October 2016)]
36. Europe, Middle East and North Africa Conference on Technology and Security to Support Learning 2016 [EMENA-TSSL 2016 (3 - 5 October 2016)]
37. Informing Science + IT Education Conferences 2016 [InSITE 2016 (27 June - 1 July 2016)]
38. Emirates Association of Computer, Electrical & Electronics Engineers (EACEEE) Conferences - Events
39. International Workshop on Wireless and Mobile Communication for Industrial Systems 2015 [WMCIS 2015 (16 - 19 December 2015)]
40. Research Conference in Technical Disciplines 2015 [RCITD 2015 (19 - 23 October 2015)]
41. e-Skills Conference 2015: eSkills for Knowledge Production and Innovation [e-Skills 2015 (27 September - 3 October 2015)]
42. Informing Science + IT Education Conferences 2015 [InSITE 2015 (1 - 5 July 2015)]
43. International Conference on Information Technology Convergence and Services 2015 [ITCSE 2015 (23 - 24 May 2015)]
44. International Conference on Cryptography and Information Security 2015 [CRYPIS 2015 (23 - 24 May 2015)]
45. International Conference on Computer Science and Environmental Engineering 2015 [CSEE 2015 (17 - 18 May 2015)]
46. Asia Pacific Symposium on Intelligent and Evolutionary Systems [IES 2014 (10 - 12 November 2014)]
47. International Conference on Bioinformatics and Biosciences [ICBB 2014 (8 - 9 August 2014)]

48. Informing Science + IT Education Conferences 2014 [InSITE 2014 (30 June - 4 July 2014)]
49. Knowledge and Management Conference 2014 [KM Conference 2014 (25 - 28 June 2014)]
50. International Conference on Artificial Intelligence, Soft Computing and Applications [AIAA 2014 (24 - 25 May 2014)]
51. Informing Science + IT Education Conferences 2013 [InSITE 2013 (2 - 5 July 2013)]
52. Knowledge Management Conference 2013 [KMC 2013 (26 - 28 June 2013)]
53. International Conference on Green Computing, Technology and Innovation 2013 [ICGCTI 2013 (4 - 6 March 2013)]
54. International Conference on e-Technologies and Networks for Development 2013 [ICeND 2013 (4 - 6 March 2013)]
55. International Conference on Signal, Image Processing and Pattern Recognition 2013 [SIPP 2013 (18 - 20 February 2013)]
56. World Conference on Information Technology 2012 [WCIT 2012 (14 - 16 November 2012)]
57. International Conference on Informatics and Applications 2012 [ICIA 2012 (3 - 5 June 2012)]
58. International Conference on Informatics Engineering and Information Science 2011 [ICIEIS 2011 (14 - 16 November 2011)]
59. International Conference on Digital Enterprise and Information Systems 2011 [DEIS 2011 (20 - 22 July 2011)]

### **National Academic Conference / Symposium / Congress...etc. Moderator / Chairman.:**

1. “Hacker ve Etik Hacker Kültürü - Saldırı Yöntemleri <> Hacker and Ethical Hacker Culture - Attack Methods” – Moderator (14 December 2012, Uşak University).

### **Additional Administrative Work:**

### **National Academic Commission / Committee / Coordinating / Board Membership:**

1. Süleyman Demirel University – International Student and Staff Programmes of Erasmus, Mevlana, Farabi (2017 - ...): Dept. Coordinator
2. Uşak University – Computer Sciences Application and Research Center Administration Board (2014 - 2017): Director
3. Uşak University – 2012-2013 Term Pedagogical Formation Certificate Program – Student Approve Evaluation Commission: Commission Member.
4. Uşak University – Bologna Coordination Commission (2012 - 2017): Commission Member.
5. Uşak University – International Student Commission (2012 - 2017): Commission Member.
6. Afyon Kocatepe University – Library Advisory Board (2011 – 2012): Board Member.
7. Afyon Kocatepe University – Distance Education Vocational School Administration Board (2011 – 2012): Vice Director.

### **Teaching:**

#### **Courses Taught:**

- Ambient Intelligence and Superintelligence: MSc. / PhD. Degree
- Blockchain Technologies and Applications: MSc. / PhD. Degree
- Fundamentals of Ethical Hacker: MSc. / PhD. Degree
- Genetic Algorithms: MSc. / PhD. Degree
- Knowledge Representation and Reasoning for Artificial Intelligence: MSc. / PhD. Degree
- Machine Ethics and Artificial Intelligence Safety: MSc. / PhD. Degree
- Neuro-Fuzzy Logic and Soft Computing: MSc. / PhD. Degree
- Social Media Analytics: MSc. / PhD. Degree
  
- Artificial Intelligence: Graduate
- Basic Information Technologies (1, 2): Graduate
- Computer Programming (1, 2): Graduate
- Data Mining: Graduate
- Data Structures and Models: Graduate
- Graphic and Animation: Graduate

- Human-Computer Interaction: Graduate
- Information Security: Graduate
- Management Information Systems: Graduate
  
- Basic Information Technologies (1, 2): Undergraduate
- Basics of Web Designing: Undergraduate
- C Programming (1, 2): Undergraduate
- Computer Hardware: Undergraduate
- Computer Network Systems: Undergraduate
- Computer Programming: Undergraduate
- Decision Making: Undergraduate
- Developing Office Applications: Undergraduate
- Essentials of Programming: Undergraduate
- E-Trade: Undergraduate
- Graphic Applications: Undergraduate
- Internet Programming (1, 2): Undergraduate
- Internet Technologies: Undergraduate
- Keyboard Techniques: Undergraduate
- Logistics Optimization Techniques: Undergraduate
- Office Applications: Undergraduate
- Office Management and Technologies: Undergraduate
- Physical Education: Undergraduate
- Profession Ethics: Undergraduate
- Software Architectures: Undergraduate
- Software Installation and Management: Undergraduate
- Ten Finger Keyboard Usage: Undergraduate
- Usage of Technology: Undergraduate
- Visual Basic Programming: Undergraduate
- Visual Programming (1, 2, 3): Undergraduate
- Vocational Computer (1, 2): Undergraduate
- Vocational Foreign Language (1, 2): Undergraduate
- Web Design (1, 2): Undergraduate
- Web Editor: Undergraduate
- Web Project Management: Undergraduate

### **International Academic Teaching Activities:**

1. “Artificial Intelligence” – EU – Erasmus Teaching Mobility (12 - 15 March 2019, Polytechnic University of Porto / Porto, Portugal).
2. “Artificial Intelligence Based Optimization and VOA, CoDOA Techniques” – Visiting Lecturing Activity (11 - 15 June 2015, University of Bacau “Vasile Alecsandri” / Bacau, Romania).
3. “Bio-Inspired Computation” – EU – Erasmus Teaching Mobility (13 - 18 January 2014, University of Bacau “Vasile Alecsandri” / Bacau, Romania).
4. “Heuristic Optimization Algorithms” – EU – Erasmus Teaching Mobility (23 February 2013 - 03 March 2013, University of Oradea / Oradea, Romania).

### **National Academic Seminar / Training Activities:**

1. “Yapay Zeka Etiği ve Güvenliği (*Artificial Intelligence Ethics and Safety*)” – A seminar activity in the context of Karabük University, Informatics Days (KBUBTK) 2019 (6 March 2019, Karabük)
2. “Nöropazarlama ve Yapay Zeka (*Neuromarketing and Artificial Intelligence*)” – A seminar activity in the context of Nine September University, DETECH 2019 (22 February 2019, İzmir)
3. “Yapay Zekâ Temelleri ve Teknikleri (*Artificial Intelligence Basics and Techniques*)” – A seminar activity in the context of GDG Isparta Meetups (23 December 2018, Isparta).
4. “Yapay Zekâ (*Artificial Intelligence*)” – A seminar activity in the context of GDG Burdur DevFest ‘18 (22 December 2018, Mehmet Akif Ersoy University / Burdur).



5. “Yapay Zekâ Etiği ve Güvenliği (*Artificial Intelligence Ethics and Security*)” – A seminar activity in the context of Digital Transformation and Artificial Intelligence meeting by Necmettin Erbakan University (20 December 2018, Necmettin Erbakan University / Konya).
6. “Yapay Zekâ Etiği (*Artificial Intelligence Ethics*)” – A seminar activity in the context of SDUTECH '18 by Süleyman Demirel University (20 December 2018, Süleyman Demirel University / Isparta).
7. “Yapay Zekâ’ya Giriş, Dünü, Bugünü ve Geleceği (*Introduction to Artificial Intelligence, Its Past, Today, and Future*)” – A seminar activity in the context of GDG Isparta Meetups (2 December 2018, Isparta).
8. “Nedir Bu Yapay Zekâ? (*What is That Artificial Intelligence?*)” – A seminar activity in the context of conference series by Adem Tolunay Natural Sciences High School (22 October 2018, Bucak, Burdur).
9. “Yapay Zekâ (*Artificial Intelligence*)” – A seminar activity in the context of Project Festival of Mehmet Akif Ersoy University (26 April 2018, Mehmet Akif Ersoy University / Burdur).
10. “Geleceğin Bilimi: Yapay Zekâ (*Science of the Future: Artificial Intelligence*)” – A seminar activity in collaboration of Şehir Tevhit Akkan Kız Anadolu İmam Hatip High School (28 March 2018, Şehir Tevhit Akkan Kız Anadolu İmam Hatip High School / Isparta).
11. “Açık ve Uzaktan Öğrenmede Makine Öğrenmesi Uygulamaları (*Machine Learning Applications in Open and Distance Learning*)” – A seminar activity in collaboration of Anadolu University – Faculty of Open Education (29 March 2017, Anadolu University – Faculty of Open Education / Eskişehir).
12. “Yapay Zekâ Temelleri ve Yapay Zekâ’nın Eğitimsel Uygulamaları (*Essentials of Artificial Intelligence and Educational Applications of Artificial Intelligence*)” – A workshop activity in collaboration of Anadolu University – Faculty of Open Education (4 – 6 May 2016, Anadolu University – Faculty of Open Education / Eskişehir).
13. “Yapay Zekâ Kampı (*Artificial Intelligence Boot Camp*)” – A training activity in collaboration of Sakarya University Technocity and Sakarya University – Faculty of Business: Trainer in theoretical and applied training process (26 – 27 March 2016, Sakarya University – Technocity and Faculty of Business / Sakarya).
14. “Sanal Dünya’da Güvenlik (*Security in the Virtual World*)” – A seminar activity in the context of the protocol between Usak University – Karahalli Vocational School and Karahalli Anatolian High School for the collaboration of science, art, sports, and culture in 2015-2017 (20 January 2016, Karahalli Anatolian High School / Usak).
15. “Server Sertifika Eğitimleri ile Mesleki Kapasiteyi Geliştirme (*Improving Vocational Capacity via Server Certificate Trainings*)” – Zafer Kalkınma Ajansı (*Zafer Development Agency*) supported project in collaboration of Uşak Provincial Directorate of Health and Uşak University – Continuing Education Center: Trainer in theoretical and applied training process (7 – 31 January 2014, Uşak University – Continuing Education Center / Uşak).
16. “Bilişim Suçlarıyla Mücadelede Uzmanlaşma (*Specialization in Cyber Crimes*)” – Zafer Kalkınma Ajansı (*Zafer Development Agency*) supported project in collaboration of Uşak Police Headquarters – Fighting against Cybercrimes Branch Office and Uşak University – Continuing Education Center: Trainer in theoretical and applied training process (31 October 2012 – 28 November 2012, Uşak Police Headquarters – Fighting against Cybercrimes Branch Office / Uşak).
17. “Afyon Kocatepe Üniversitesi Uzaktan Eğitim Sistemlerinin Kullanımı (*Usage of Distance Education Systems of Afyon Kocatepe University*)” – Presentation in theoretical and applied in-service education seminar (11 September 2011, Afyon Kocatepe University – Distance Education Vocational School / Afyonkarahisar).

#### **National Academic Training / Course / Workshop / Seminar Participations:**

1. “E-Öğrenme: Yenilikler ve Avrupa’daki Gelişmeler (*E-Learning: Innovations, and Developments at Europe*)” – E-Learning seminar in collaboration of Enocta and Okan University (11 February 2011, Okan University - Mecidiyeköy Campus / İstanbul).
2. “E-Öğrenme: Bilgi, Tasarım ve Teknoloji (*E-Learning: Information, Design and Technology*)” – E-Learning seminar and workshop in collaboration of McWeadon, Enocta and Okan University (20 December 2010, Point Hotel Barbaros / İstanbul).

3. “Microsoft Visual Studio 2010: Enterprise Applications” – Theoretical and applied in-service training course (17 - 30 July 2010, Afyon Kocatepe University – Directorate of Computer Center / Afyonkarahisar).
4. “YÖK - Üniversitelerarası Öğrenme Kaynakları Paylaşım Projesi (*Turkey Council of Higher Education (CoHE)*) – Project of Learning Resources Sharing Among Universities” – Theoretical and applied training course for operating the interactive classroom [19 - 20 January 2010, Turkey Council of Higher Education (CoHE) / Ankara].

### **Foreign Languages:**

- *Fluent English*
- *Entry Level Italian*
- *Entry Level German*

### **Appearance at National TV Program:**

1. Halk TV, 23 April 2020, Appearance with the subject of *Artificial Intelligence and COVID-19* at the TV programme: *Çeviz Kabuğu*, which is prepared and provided by Hulki Cevizoğlu.
2. Channel 32, 17 April 2020, Appearance at the TV programme: About the Life with Ruzin, with the subject of *Data Science and Artificial Intelligence in Health and COVID-19*.
3. SDÜ, 26 February 2020, Appearance at the TV programme: Young Microphone, with the subject of *Video Games*.
4. Channel 32, 23 December 2019, Appearance at the TV programme: About the Life with Ruzin, with the subject of *Place of Technology and Artificial Intelligence in Our Life*.
5. Channel 32, 9 September 2018, An interview on *Cyber Security and the TÜBİTAK (The Scientific and Technological Res. Council of Turkey) 4004 Project: A Cyber Security Adventure*.
6. KRT TV, 19 May 2018, Appearance with the subject of *Artificial Intelligence* at the TV programme: *Akal Çelen*, which is prepared and provided by Hulki Cevizoğlu.
7. Channel 32, 23 March 2018, Appearance at the TV programme: Today in Rose-City, with the subject of *Artificial Intelligence*.
8. Channel 32, 20 February 2018, An interview on *Artificial Intelligence Today*.

### **Awards/Achievements:**

1. “Distinguished Scientist Award” in the context of International Scientist Awards 2020 (on Engineering, Science and Medicine) by the VDGGOOD.
2. “Top Reviewers for Computer Science Award” in the context of Publons Peer Review Awards 2019.
3. “Top Reviewers for Engineering” in the context of Publons Peer Review Awards 2019.
4. “Top Reviewers for Cross-Field Award” in the context of Publons Peer Review Awards 2019.
5. Utku KÖSE was among 19 scientists (in Turkey), who has gained total points of 100 in the context YÖK (Council of Higher Education) Academic Encouragement Allowance 2018.
6. “Outstanding Scientist Award” in the context of IOSRD International Research Awards 2018.
7. “Life Time Achievement Award” in the context of IOSRD International Research Awards 2018.
8. “Young Scientist Award” in the context of IOSRD International Research Awards 2018.
9. “Top Reviewers for Computer Science Award” in the context of Publons Peer Review Awards 2018.
10. “Golden Reviewer Award” in the context of Informing Science Institute Reviewer Awards 2018.
11. “Best Paper Award” in the context of 5th International Virtual Research Conference in Technical Disciplines (RCITD 2017).
12. “Most Valuable Young Scientist Award” in the context of Academia EduSoft's Awards 2017.
13. “Silver Reviewer Award” in the context of Informing Science Institute Reviewer Awards 2017.
14. “Top Reviewers for Computer Science Award” in the context of Publons Peer Review Awards 2017.
15. “Top Reviewers for Social Sciences Award” in the context of Publons Peer Review Awards 2017.
16. “Top Reviewers for Turkey Award” in the context of Publons Peer Review Awards 2017.

17. “Young Scientist Award” in the context of Venus International Research Awards 2016 by the Venus International Foundation.
18. Finalist in the Innovation in Teaching of Research Methodology Excellence Awards at 2016 European Conference on Research Methodology for Business and Management Studies
19. Turkey – YÖK (Council of Higher Education) Academic Encouragement Allowance (2016, 2017).
20. TÜBİTAK (The Scientific and Technological Res. Council of Turkey) Publication Awards (2013, 2014, 2016, 2017).
21. Uşak University Publication Awards.
22. Utku KÖSE’s biography has been published in the “30th Pearl Anniversary Edition of Who's Who in the World®”.
23. Afyon Kocatepe University, Institute of Natural and Applied Sciences, Computer Dept., 1<sup>st</sup> of the Dept. (Average Grade: 98,36 / 100).
24. Gazi University, Gazi University, Industrial Arts Education Faculty, Computer Education Dept., Faculty Valedictorian (Average Grade: 94,40 / 100).

**YÖK (Council of Higher Education) Academic Encouragement Allowance Points:**

1. 2019: 90.00
2. 2018: 100.00
3. 2017: 100.00
4. 2016: 100.00
5. 2015: 60.00

**Foreign Language (English) Points (in National Exams):**

1. YÖKDİL: 86.25
2. ÜDS: 83.75
3. KPDS: 82.50