

## AKADEMİK ÖZGEÇMİŞ

1. Adı Soyadı: Kamil Dimililer

2. Unvanı: Prof. Dr.

3. Öğrenim Durumu: Doktora

Derece	Bölüm/Program	Üniversite	Yıl
Lisans	Elektrik & Elektronik Müh.	Yakın Doğu Üniversitesi	2002
Y. Lisans	Elektrik & Elektronik Müh.	Yakın Doğu Üniversitesi	2004
Doktora	Elektrik & Elektronik Müh.	Yakın Doğu Üniversitesi	2014

## 4. Yüksek Lisans / Doktora Tezi

## 4.1. Yüksek Lisans Tez Başlığı ve Tez Danışman(lar)ı:

Image Compression using Wavelet Transforms, Prof. Dr. Adnan Khashman

## 4.2. Doktora Tezi/Tıpta Uzmanlık Tezi Başlığı ve Danışman(lar)ı:

Analysis and Design of an Image Compression System Based on Objective and Subjective Quality Measurements, Prof. Dr. Adil Amirjanov

## 5. Akademik Unvanlar:

Yardımcı doçentlik tarihi: Kasım 2014

Doçentlik tarihi: Şubat 2018

Profesörlük tarihi: Eylül 2023

## 6. Yönetilen Yüksek Lisans ve Doktora Tezleri:

## 6.1. Yüksek lisans tezleri

a) Solar Power Generation Prediction

## 6.2. Doktora tezleri

a) Image Processing Techniques on Mask Detection

b) Incremental Learning in Expert Systems

## 7. Yayınlar

### 7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI,SSCI, AHCI, ESCI, Scopus)

1. Tackie S. N., Mohammed S. T., Vafaei L. E., Dimililer K., “ Electric Power Generation Design And Estimation Using Photovoltaic Technology “, International Journal on Technical and Physical Problems of Engineering (IJTPE), Issue 57, Vol. 15, Number 4, pp. 383-395, December 2023.
2. Dimililer K., Kayali D., “Mask Detection and Categorization in COVID-19 Pandemic Environment using Deep Convolutional Neural Network “, Ingeniería e Investigación, Vol:43, Issue:3, Accepted: 31 October 2022, will be published in December 2023, DOI: 10.15446/ing.investig.101817
3. Dimililer K., Sekeroglu B., “Skin Lesion Classification Using a CNN-Based Transfer Learning Model”, Gazi University Journal of Science, 36(2), ISSN: 2147-9542, DOI: <https://10.35378/gujs.1063289>, June 2023.
4. Kayali D., Shama N., Asir S., Dimililer K., “Machine learning-based models for the qualitative classification of potassium ferrocyanide using electrochemical methods”, Journal of Supercomputing, Vol:79, Issue:4, pp. 12472-12491, DOI: 10.1007/s11227-023-05137-y, March 2023.
5. Sekeroglu B., Ever Y. K., Dimililer K., Al-Turjman F., “Comparative Evaluation and Comprehensive Analysis of Machine Learning Models for Regression Problems “, Data Intelligence, MIT Press, July 2022.
6. Dimililer K., Teimourian H., Al-Turjman F., Radio Galaxies Classification System, Using Machine Learning Techniques in the IoT Era, Journal of Experimental & Theoretical Artificial Intelligence, Taylor Francis, DOI: <https://10.1080/0952813X.2022.2080277>, Early Access: June 2022.
7. Teimourian H., Teimourian A., Dimililer K., Al-Turjman F., “The Potential of Wind-energy via an Intelligent IoT-oriented Assessment”, Journal of Supercomputing, Vol:78, Issue:4, pp. 5221–5240, (SCI-E), DOI: 10.1007/s11227-021-04085-9, March 2022.

8. Dimililer K., "DCT-based Medical Image Compression using Machine Learning", *Signal, Image and Video Processing Journal*, 11760, 1951, Vol:16, Issue:1, pp. 55–62, DOI: <https://doi.org/10.1007/s11760-021-01951-0>, February 2022.
9. Dimililer K., Dindar H., Al-Turjman F., "Deep Learning, Machine Learning and Internet of Things in Geophysical Engineering Applications: An Overview ", *Microprocessors and Microsystems Journal*, Vol.80 (2021 (2)), 103613, DOI: <https://doi.org/10.1016/j.micpro.2020.103613>, February 2021.
10. Sekeroglu B., Dimililer K., "Review and Analysis of Hidden Neuron Number Effect of Shallow Backpropagation Neural Networks", *Neural Network World: International Journal on Neural and Mass - Parallel Computing and Information Systems; Prague*, Vol.30, Iss.2, pp. 97-112, DOI: <http://dx.doi.org/10.14311/NNW.2020.30.008>, May 2020.
11. Teimourian H., Dimililer K., "Artificial Intelligence in Detection of Radio Galaxies", *Dilemas Contemporáneos: Educación, Política y Valores vol.7, Special Issue, Article no.136*, pp. 1-22, Print ISSN: 2007-7890, DOI: 10.46377/dilemas.v30i1.1260, November 2019.
12. Sekeroglu B., Dimililer K., Tuncal, K., "Artificial Intelligence in Education: Application in Student Performance Evaluation", *Dilemas Contemporáneos: Educación, Política y Valores vol.7, No.1, Article no.15*, pp. 1-21, Print ISSN: 2007-7890, September 2019.
13. Amircanov A., Dimililer K., "Image compression system with an optimization of compression ratio", *IET Image Processing*. Accepted: June 2019, Published: July 2019. DOI: 10.1049/iet-ipr.2019.0114, Print ISSN: 1751-9659.
14. Dimililer K., Mekonnen G. A., "Optical Mark Reader System (OMRS) using Web Based Image Scanners", *Dilemas Contemporáneos: Educación, Política y Valores vol.6, Special Issue, Article no.34*, pp. 1-22, Print ISSN: 2007-7890, July 2019.
15. Ever Y. K., Dimililer K., "The effectiveness of a new classification system in higher education as a new e-learning tool ", *Quality & Quantity, Springer-Verlag*, Vol. 52, Issue 1, pp. 573-582, Accepted: 2017, Published: 3 November 2017, Issue Date: December 2018. DOI: 10.1007/s11135-017-0636-y.
16. Dimililer K., "Use of Intelligent Student Mood Classification System (ISMCS) to achieve high quality in education ", *Quality & Quantity, Springer-Verlag*, Vol. 52, Issue 1, pp. 651-662,

Accepted: 2017, Published: 9 November 2017, Issue Date: December 2018. DOI: 10.1007/s11135-017-0644-y.

17. Dimililer K., Zarrouk S., "ICSPI: Intelligent Classification System of Pest Insects Based on Image Processing and Neural Arbitration ", Applied Engineering in Agriculture, American Society of Agricultural and Biological Engineers, Vol. 33, No. 4, pp. 453-460, 2017. DOI: 10.13031/aea.12161.
18. Dimililer K., "Back Propagation Neural Network Implementation for Medical Image Compression", Journal of Applied Mathematics, ISSN 1110-757X, Vol. 2013, No. 453098, November 2013. DOI: <http://dx.doi.org/10.1155/2013/453098>.
19. Dimililer K., "Neural Network Implementation for X-Ray Image Compression", Electronics World, ISSN 1365-4675, Vol. 118, No. 1911, March 2012.
20. Khashman A., Sekeroglu B. & Dimililer K., "ICIS: A Novel Coin Identification System", Lecture Notes in Control and Information Sciences, Vol. 345, pp. 913-918, Springer-Verlag, DOI: [http://dx.doi.org/10.1007/978-3-540-37258-5\\_113](http://dx.doi.org/10.1007/978-3-540-37258-5_113), 2006.

## **7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler**

1. Maaitah Mohammad K. S., Dimililer K., "Conceal Data in Digital Image Processing by using Steganography", International Journal of Electronics Communication and Computer Engineering, Vol. 9, Issue 1, January 2018.
2. Dimililer K., Ever Y. K., "Planning pesticides usage for herbal and animal pests based on intelligent classification system with image processing and neural networks ", The Journal of ITM Web of Conferences, EDP Sciences, ISSN 2271-2097, Vol 16, 01004, 2018. DOI: <https://doi.org/10.1051/itmconf/20181601004>.
3. Dimililer, K., Ever Y. K., Somturk C., Ergun F., Urun G., Kara M., "Effect of DCT Image Compression on Eye Gaze Direction Detection ", The Journal of ITM Web of Conferences, EDP Sciences, ISSN 2271-2097, Vol 16, 01003 2018. DOI: 10.1051/itmconf/20181601003
4. Dindar, H., Dimililer, K., Ozdag, O. C., Atalar, C., Akgun, M., Ozyanki, A., "Vulnerability Index Assessment Using Neural Networks: A Case Study of Nicosia, Cyprus ISPRS Ann. Photogramm. Remote Sens. Spatial Inf. Sci., IV-4-W4, 189-195, November 2017. DOI: 10.5194/isprs-annals-IV-4-W4-189-2017.

5. Dimililer, K., Kiani, E., "Application of Back Propagation Neural Networks on Maize Plant Detection ", *Procedia Computer Science*, ISSN 1877-0509, Vol. 120/Issue 2017, pp. 376-381. August 2017. DOI: 10.1016/j.procs.2017.11.253.
6. Dimililer, K., "IBFDS: Intelligent Bone Fracture Detection System ", *Procedia Computer Science*, ISSN 1877-0509, Vol. 120 /Issue 2017 pp. 260-267, August 2017. DOI: 10.1016/j.procs.2017.11.237.
7. Dimililer K., Hesri A., Ever Y. K., "Lung Lesion Segmentation using Gaussian Filter and Discrete Wavelet Transform ", *The Journal of ITM Web of Conferences*, EDP Sciences, ISSN 2271-2097, Vol 11, March 2017. DOI: 10.1051/itmconf/201711101018.
8. Ever, Y. K., Gemikonakli, E., Dimililer, K., "Modelling Approaches of Performance Evaluation of High Qos of Kerberos Server with Dynamically Renewing Keys Under Pseudo Conditions ", *The Online Journal of Science and Technology*, ISSN 2146-7390, Vol 7, Issue 2, April 2017.
9. Dimililer, K., Ugur, B., Ever, Y. K., "Tumor Detection on CT Lung Images using Image Enhancement ", *The Online Journal of Science and Technology*, ISSN 2146-7390, Vol 7, Issue 1, January 2017.
10. Bush I. J., Dimililer K., "Static and Dynamic Pedestrian Detection Algorithm for Visual Based Driver Assistive System ", *The Journal of ITM Web of Conferences*, EDP Sciences, ISSN 2271-2097, Vol 9, January 2017. DOI: 10.1051/itmconf/20170903002
11. Dimililer, K., Ever, Y. K., Ratemi, H., "Intelligent Eye Tumour Detection System ", *Procedia Computer Science*, ISSN 1877-0509, Vol. /Issue 102C, pp. 325-332, September 2016.
12. Dimililer, K., İlhan, A., "Effect of Image Enhancement on MRI Brain Images with Neural Networks", *Procedia Computer Science*, ISSN 1877-0509, Vol. /Issue 102C, pp. 39-44, September 2016.
13. Oyedotun O., Dimililer K., "Pattern Recognition: Invariance Learning in Convolutional Auto Encoder Network", *International Journal of Image, Graphics, and Signal Processing (IJIGSP)*, ISSN 2074-9074 2074-9082, Vol. 8, Issue 3, March 2016. DOI: 10.5815/ijigsp.2016.03.03
14. Dimililer K., Olaniyi E., "Intelligent Sorting System Based on Computer Vision for Banana Industry", *International Journal of Scientific & Engineering Research (IJSER)*, ISSN 2229-5518, Vol 6, Issue 9, September 2015.

15. Khashman A. & Dimililer K., "Intelligent System for Medical X-Rays Compression", Transactions on Mass-Data Analysis of Images and Signals, Applications in Medicine, Biotechnology, Chemistry, and Food Industry, ISSN 1868-6451, Vol. 1, No. 1, September 2009.
16. Khashman A. & Dimililer K., "Image Compression Using Neural Networks and Haar Wavelet", WSEAS Transactions on Signal Processing, ISSN 1790-5022, USA, Issue 5, Vol. 4, pp. 330-339, May 2008.
17. Khashman A., Sekeroglu B. & Dimililer K., "Intelligent Rotation-Invariant Coin Identification System", WSEAS Transactions on Signal Processing, ISSN 1790-5022, Issue 5, Vol. 2, 2006.
18. Khashman A., Sekeroglu B. & Dimililer K., "Intelligent Identification System for Deformed Banknotes", WSEAS Transactions on Signal Processing, ISSN 1790-5022, Issue 3, Vol. 1, 2005.

### **7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler**

1. Shirgir B., Dimililer K., Asir S. "Application of Artificial Intelligence in Biosensors ", Smart Innovation, Systems and Technologies Series, Springer Verlag, The 8th International Symposium on Intelligent Informatics, ISI'23, December 2023.
2. Kayali D., Dimililer K., "Multi Filter Based Image Pre-Processing on Face Mask Detection Using Custom CNN Architecture ", The 8th International Symposium on Intelligent Informatics, ISI'23, December 2023.
3. Ogidan E., Olawale O. P., Dimililer K., "Short-Time Fourier Transform in Audio Recognition Applications ", 16th International Conference on Applications Of Fuzzy Systems, Soft Computing And Artificial Intelligence Tools, ICAFS 2023, August 2023.
4. Onana Frank Junior Ngoumkan., Dimililer K., "Smart Attendance System by Facial Recognition", 16th International Conference on Applications Of Fuzzy Systems, Soft Computing And Artificial Intelligence Tools, ICAFS 2023, August 2022.
5. Erdem B. D., Savas M., Dimililer K., "Machine Learning in Fault Diagnosis of Electromechanical Devices using Vibration Measurements ", International Conference on Science, Engineering Management and Information Technology, SEMIT2023, September 2023.

6. Dimililer K., Kayali D., Tackie S. N., "Power Demand Prediction of North Cyprus using Machine Learning Regressor Models ", Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, DOI:, IEEE ASYU2023, September 2023.
7. Nelson S, Dimililer K., "Medical Informatics: A Systematic Review on Health and Medical Information Systems ", Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, DOI:, IEEE ASYU2023, September 2023.
8. Yokpe M. M., Dimililer K., "Sign Language Detection using Convolutional Neural Networks (CNN)", 12th World Conference on Intelligent Systems for Industrial Automation, WCIS-2022, November 2022.
9. Eponon A. A., Dimililer K., "A Bert Model with deep learning approach in Natural Language Processing (NLP) ", 12th World Conference on Intelligent Systems for Industrial Automation, WCIS-2022, November 2022.
10. Erdem B. D., Savas M., Dimililer K., "Diagnosis of Faults in Electro-Mechanical Devices from Vibration Measurements ", 12th World Conference on Intelligent Systems for Industrial Automation, WCIS-2022, November 2022.
11. Ahmad N., Dimililer K., "Brain Tumor Detection Using Convolutional Neural Network", 6th International Symposium on Multidisciplinary Studies and Innovative Technologies, IEEE ISMSIT2022, pp. 1032-1037, DOI: 10.1109/ismsit56059.2022.9932741, November 2022.
12. Zendah H., Dimililer K., "Using of Conventional Neural Network to Diagnose Scabies by Dermoscopy ", 15th International Conference on Applications Of Fuzzy Systems, Soft Computing And Artificial Intelligence Tools, ICAFS 2022, August 2022.
13. Ilgi S., Kayali, D., Olawale O. P., Erdem, B. D., Dimililer K., Ever Y. K., "Formal Verification for Security Technologies in the Blockchain with Artificial Intelligence: A survey"Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, DOI: 10.1109/asyu56188.2022.9925532, IEEE ASYU2022, September 2022.
14. Kayali, D., Olawale O. P., Ever Y. K., Dimililer K., "The effect of Compressor-Decompressor Networks with different image sizes on Mask Detection using Convolutional Neural Networks - VGG-16 "Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, DOI: 10.1109/asyu56188.2022.9925317, IEEE ASYU2022, September 2022.

15. Olawale O. P., Ozdamli F., Dimililer K., "Data Mining Techniques for the Classification of Medical Cases: A Survey", 5th International Symposium on Multidisciplinary Studies and Innovative Technologies, IEEE ISMSIT2021, November 2021.
16. Kayali, D., Dimililer, K., Sekeroglu, B., "Face Mask Detection and Classification for COVID-19 using Deep Learning", IEEE INISTA 2021, International Conference on Innovations in Intelligent Systems and Applications, IEEE, August 2021.
17. Azat, H. S., Sekeroglu, B., Dimililer, K., "A Pre-study on the Layer Number Effect of Convolutional Neural Networks in Binary Classification Application", IEEE INISTA 2021, International Conference on Innovations in Intelligent Systems and Applications, IEEE, August 2021.
18. Dimililer, K., Sekeroglu, B., "The Effect of Discrete Cosine Transform on COVID-19 Differentiation from Chest X-Ray Images: A Preliminary Study", IEEE INISTA 2021, International Conference on Innovations in Intelligent Systems and Applications, IEEE, August 2021.
19. Nwaogu V, Dimililer K., "CUSTOMER CHURN PREDICTION FOR BUSINESS INTELLIGENCE USING MACHINE LEARNING", IEEE HORA 2021, 3rd International Congress on Human-Computer Interaction, Optimization, and Robotic Applications, IEEE, June 2021.
20. Hussain A., Dimililer K., "STUDENT GRADE PREDICTION USING MACHINE LEARNING ", EAI FoNeS-IoT 2020, EAI International Conference on Forthcoming Networks and Sustainability in the IoT Era, October 2020.
21. Shama N., Ozsoz M., Asir S., Dimililer K., "Potassium Ferricyanide electrochemically detected by Differential Pulse and Square Wave Voltammetry in a Competition using Gradient Boosting as Machine Learning Algorithm ", 4th International Symposium on Multidisciplinary Studies and Innovative Technologies, IEEE ISMSIT2020, October 2020.
22. Olawale O. P., Dimililer K., "Individual Eye Gaze Prediction with the Effect of Image Enhancement Using Deep Neural Networks", 4th International Symposium on Multidisciplinary Studies and Innovative Technologies, IEEE ISMSIT2020, October 2020.
23. Dimililer K., Ever Y. K., Al-Turjman F., Olawale Priscilla, "AI Simulations and Programming for Drones: An Overview", Artificial Intelligence in Everything Workshop, November 2019.



24. Dimililer K., Ever Y. K., Ogidan E. O., "Machine Learning for Cyber Security", Artificial Intelligence in Everything Workshop, November 2019.
25. Maissani M., Dimililer K., Gokcekus H., Ozsahin D. U., "Intelligent Learning Systems for the Environmental Factors that Affect the Distribution of Some Leishmaniasis Vectors", 2nd International Conference on The Environment Survival and Sustainability, ESS 2019, October 2019.
26. Asir S., Dimililer K., Ever Y. K., Ozsoz M., Shama N. A. "Electrochemical Determination of Potassium Ferricyanide using Artificial Intelligence", 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, IEEE ISMSIT2019, October 2019.
27. Ogidan E. T., Dimililer K., Ever Y. K., "Machine Learning Applications in Disease Surveillance ", 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, IEEE ISMSIT2019, October 2019.
28. Dimililer K., Ever Y. K., Mustafa S. M., "Vehicle Detection and Tracking using Machine Learning Techniques", 10th International Conference on Theory and Applications of Soft Computing, Computing with Words and Perceptions, ICSCCW 2019, August 2019.
29. Ever Y. K., Sekeroglu B., Dimililer K., "Classification Analysis of Intrusion Detection on NSL-KDD using Machine Learning Algorithms ", MobiWis 2019, August 2019.
30. Ever Y. K., Dimililer K., Sekeroglu B., "Comparison of Machine Learning Techniques for Prediction Problems", The 5th Int. Symposium on Engineering Energy Efficient Internet Worked Smart seNsors (E3WSN), Workshops of the International Conference on Advanced Information Networking and Applications, Collocated with, The 33rd International Conference on Advanced Information Networking and Applications (AINA-2019), Kunibiki Messe, Matsue, Japan, 33rd IEEE AINA-2019, pp. 713-723, March 2019. DOI: [https://doi.org/10.1007/978-3-030-15035-8\\_69](https://doi.org/10.1007/978-3-030-15035-8_69)
31. Astartkie M. G., Dimililer K., "Ethiopian Police Clearance Certification System using Face Biometrics", Fourth International Conference on Computational Mathematics and Engineering Sciences", CMES 2019, April 2019.
32. Sekeroglu B., Dimililer K., Tuncal K., "Student Performance Prediction and Classification using Machine Learning Algorithms", 2019 8th International Conference on Educational and Information Technology, ICEIT 2019, March 2019.

33. Kara, M., Dimililer, K., "Bleeding Detection in Retinal Images using Image Processing", 2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, IEEE ISMSIT2018, October 2018.
34. Ogidan E. T., Dimililer K., Ever Y. K., "Machine Learning for Expert Systems in Data Analysis", 2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, IEEE ISMSIT2018, October 2018.
35. Altıparmak, H., Shadat, M. A., Kiani, E., Dimililer, K., "Fuzzy classification for strawberry diseases-infection using machine vision and soft-computing techniques", Proc. SPIE 10696, Tenth International Conference on Machine Vision (ICMV 2017), 106961N; <https://doi.org/10.1117/12.2309837>, Vienna, Austria, 13-15 November 2017, April 2018.
36. Dimililer K., Ever Y. K., "Planning pesticides usage for herbal and animal pests based on intelligent classification system with image processing and neural networks ", The 2017 International Conference Applied Mathematics, Computational Science and Systems Engineering, (AMCSE 2017), Athens, Greece, 6-8 October 2017.
37. Dimililer, K., Ever Y. K., Somturk C., Ergun F., Urun G., Kara M., "Effect of DCT Image Compression on Eye Gaze Direction Detection ", The 2017 International Conference Applied Mathematics, Computational Science and Systems Engineering, (AMCSE 2017), Athens, Greece, 6-8 October 2017.
38. Dindar, H., Dimililer, K., Ozdag, O. C., Atalar, C., Akgun, M., Ozyanki, A., "VULNERABILITY INDEX ASSESSMENT USING NEURAL NETWORKS: A CASE STUDY OF NICOSIA, CYPRUS ", (GeoAdvances 2017), 4th International Workshop on Geoinformation Science: GeoAdvances 2017, Safranbolu, Turkey, October 2017.
39. Dimililer, K., Ever, Y. K., Ergun, F., "A Preliminary Framework using BPNN for Performability Modelling and Analyses of a Kerberos Server", (ICACCI 2017), 6th International Conference on Advances Computing, Communications and Informatics, Karnataka, India, September 2017. DOI:10.1109 / ICACCI.2017.8125923
40. Dimililer, K., Kiani, E., "Application of Back Propagation Neural Networks on Maize Plant Detection ", (ICSCCW 2017), 9th International Conference on Soft Computing, Computing with words and perceptions, Budapest, Hungary, August 2017.

41. Dimililer, K., "IBFDS: Intelligent Bone Fracture Detection System ", (ICSCCW 2017), 9th International Conference on Soft Computing, Computing with words and perceptions, Budapest, Hungary, August 2017.
42. Dimililer K., Bush J., "Automated Classification of Fruits: Pawpaw Fruit as a Case Study ", (ICMMI 2017), International Conference on Man-Machine Interactions, Cracow, Poland, 3-6 October 2017. , DOI: 10.1007/978-3-319-67792-7\_36
43. Dimililer K., Hesri A., Ever Y. K., "Lung Lesion Segmentation using Gaussian Filter and Discrete Wavelet Transform ", (IST 2017), The 2017 International Conference on Information Science and Technology, March 2017.
44. Bush I. J., Dimililer K., "Static and Dynamic Pedestrian Detection Algorithm for Visual Based Driver Assistive System ", (AMCSE 2016), Rome, Italy, 5-7 November 2016.
45. Dimililer K., Ever Y. K., Ugur B., "ILTDS: Intelligent Lung Tumor Detection System on CT Images ", Second International Symposium on Intelligent Systems and Applications (ISTA 2016), Jaipur, India, 21-24 September 2016.
46. Dimililer, K., Ever, Y. K., Ratemi, H., "Intelligent Eye Tumour Detection System ", Twelfth International Conference on Application of Fuzzy Systems and Soft Computing, (ICAFS-2016), Vienna, Austria, 29-30 August 2016.
47. Dimililer, K., İlhan, A., "Effect of Image Enhancement on MRI Brain Images with Neural Networks "Twelfth International Conference on Application of Fuzzy Systems and Soft Computing, (ICAFS-2016), Vienna, Austria, 29-30 August 2016.
48. Dimililer K., Kavalcioglu C., "Gaussian Noise and Haar Wavelet Transform Image Compression on Transmission of Dermatological Images", The first International Conference on Advances in Computing and Communications (ACC-2011), Kerala, India, Communications in Computer and Information Science Series (CCIS), Springer-Verlag, 22-24 July 2011. (Best Paper Award)
49. Khashman A. & Dimililer K., "Medical Radiographs Compression Using Neural Networks and Haar Wavelet", Proceeding of the IEEE International Conference on 'Computer as a Tool' (EUROCON 2009), Saint-Petersburg, Russia, 18-23 May 2009. DOI: 10.1109/EURCON.2009.5167831

50. Khashman A. & Dimililer K., "Optimum DCT compression of Medical Images Using Neural Networks", Proceedings of the 11th International Conference on Enterprise Information Systems (ICEIS'2009), Milan, Italy, 6-10 May 2009.
51. Khashman A. & Dimililer K., "Haar Image Compression Using a Neural Network", Proceedings of the WSEAS Int. Applied Computing Conference (ACC'08), Istanbul, Turkey, 27-29 May 2008.
52. Khashman A., Sekeroglu B. and Dimililer K., 'Rotated Coin Recognition Using Neural Network', Proceedings of the International Fuzzy Systems Association World Congress (IFSA'2007), Cancun, Mexico, Soft Computing, Springer-Verlag, 2007.
53. Khashman A., Dimililer K., "Intelligent System for Image Compression", Proceedings of the 9th International Conference on Enterprise Information Systems (ICEIS'2007), Madeira, Portugal, 12-16 June 2007.
54. Khashman A. & Dimililer K., "Neural Networks Arbitration for Optimum DCT Image Compression", Proceeding of the IEEE International Conference on 'Computer as a Tool' (EUROCON2007), Warsaw, Poland, 9-12 September 2007. (Has been one of the top accessed articles in April 2010) DOI: 10.1109/EURCON.2007.4400236
55. Khashman A., Sekeroglu B. and Dimililer K., 'ICIS: A Novel Coin Identification System', Proceedings of the 2006 International Conference on Intelligent Computing (ICIC'06), China, 16-19 August 2006 DOI: 10.1007/11816515\_113
56. Khashman A., Sekeroglu B. & Dimililer K., "Intelligent Coin Identification System", Proceedings of the IEEE International Symposium on Intelligent Control (ISIC'06), Munich, Germany, 4-6 October 2006. DOI: 10.1109/ISIC.2006.285617
57. Khashman A. & Dimililer K., "Comparison Criteria for Optimum Image Compression", Proceeding of the IEEE International Conference on 'Computer as a Tool' (EUROCON'05), Serbia & Montenegro, 21-24 November 2005. DOI: 10.1109/eurcon.2005.1630100

#### **7.4. Yazılan ulusal/uluslararası kitaplar veya kitaplarda bölümler**

1. Ogidan E., Olawale P., Dimililer K., "Machine Learning for Intelligent Manufacturing in Industry 4.0", Handbook of Intelligent and Sustainable Manufacturing: Tools, Principles, and Strategies" CRC Press, Taylor & Francis – May 2024

2. Shirgir B., Dimililer K., Asir S. "Application of Artificial Intelligence in Biosensors ", Smart Innovation, Systems and Technologies Series, Springer Verlag, The 8th International Symposium on Intelligent Informatics, ISI'23, December 2023, 2024
3. Kayali D., Dimililer K., "Multi Filter Based Image Pre-Processing on Face Mask Detection Using Custom CNN Architecture ", Smart Innovation, Systems and Technologies Series, Springer Verlag, The 8th International Symposium on Intelligent Informatics, ISI'23, December 2023, 2024
4. Erdem B. D., Savas M., Dimililer K., "Machine Learning in Fault Diagnosis of Electromechanical Devices using Vibration Measurements ", CCIS, SPRINGER International Conference on Science, Engineering Management and Information Technology, SEMIT2023, 2023.
5. Dimililer K., Erdem B. D., Kayali D., Olawale P. O., "Image Pre-Processing Phase with Artificial Intelligence Methods on Medical Images", In: Walid A. Zgallai, Dilber Uzun Ozsahin (eds), Artificial Intelligence and Image Processing in Medical Imaging, Paperback ISBN: 9780323954624, accepted in 7 April 2022, January 2024.
6. Dimililer K., Ogidan, E.T., Olawale, O.P. Post Covid Era-Smart Class Environment. In: Idoko, J.B., Abiyev, R. (eds) Machine Learning and the Internet of Things in Education. Studies in Computational Intelligence, vol 1115. Springer, Cham. [https://doi.org/10.1007/978-3-031-42924-8\\_18](https://doi.org/10.1007/978-3-031-42924-8_18), October 2023.
7. Ogidan E., Olawale O. P., Dimililer K., "Short-Time Fourier Transform in Audio Recognition Applications ", 16th International Conference on Applications Of Fuzzy Systems, Soft Computing And Artificial Intelligence Tools, ICAFS2023, Lecture Notes in Networks and Systems, accepted in August 2023, will be published in 2023.
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#### **7.5. Ulusal hakemli dergilerde yayınlanan makaleler**

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## 8. Sanat ve Tasarım Etkinlikleri

## 9. Projeler

## 10. İdari Görevler: Bölüm Başkanlığı - 2015-2022

## 11. Bilimsel ve Mesleki Kuruluşlara Üyelikler: IEEE, WSEAS, IET, CEE, DESAM, IoT, BİLTEM

## 12. Ödüller

1. Research Award: Near East University, 2006
2. Has been one of the top accessed articles in April 2010
3. Best Paper Award: The first International Conference on Advances in Computing and Communications (ACC-2011), Rajagiri School of Engineering & Technology (RSET), 2011
4. Tubitak Paper Publication Award, 2012
5. Research Award: Near East University, 2013
6. Research Award: Near East University, 2016
7. Tubitak Paper Publication Award, 2017
8. Research Award: 2016 NEU Young Researcher Honor Prize, March 2017
9. Research Award: 2017 NEU Researcher Prize, March 2018
10. Research Award: 2018 NEU Researcher Prize, March 2019
11. Tubitak Paper Publication Award, 2020
12. Research Award: 2022 NEU Researcher Prize, May 2023

## 13. Son İki Yılda Verilen Lisans ve Lisansüstü Dersler

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2021 - 2022	Güz	Circuit Theory	3	0	80
	Bahar	Basic Electronics	4	0	60

	<b>Güz</b>	Automotive Electronics	3	0	20
	<b>Bahar</b>	Elektrik Makinaları	3	0	30
	<b>Yaz</b>	Image Processing	3	0	20
	<b>Yaz</b>	Advanced Neural Networks	3	0	20
	<b>Bahar</b>	Graduation Projects	4	0	10
<b>2022 - 2023</b>	<b>Güz</b>	Circuit Theory	3	0	60
	<b>Bahar</b>	Basic Electronics	4	0	50
	<b>Güz</b>	Automotive Electronics	3	0	20
	<b>Güz</b>	Digital Logic	4	0	15
	<b>Bahar</b>	Intelligent Control	3	0	15
	<b>Bahar</b>	Advanced Intelligent Control	3	0	20
	<b>Bahar</b>	Introduction to EEE	1	0	2