

## **Publications:**

### **1 International Journals:**

1. 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, **2015**
2. Dimililer K., Olaniyi O., “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**
3. Dimililer K., “ Back Propagation Neural Network Implementation for Medical Image Compression”, Journal of Applied Mathematics, ISSN 1110-757X, Vol. 2013, No. 453098, **November 2013, (SCI-Expanded)**
4. Dimililer K., “ Neural Network Implementation for X-Ray Image Compression”, Electronics World, ISSN 1365-4675, Vol. 118, No. 1911, **March 2012, (SCI-Expanded)**
5. Khashman A., Sekeroglu B. & Dimililer K., “ICIS: A Novel Coin Identification System”, Lecture Notes in Control and Information Sciences, Vol. 345, Springer-Verlag, **2006, (SCI-Expanded )**.
6. 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**.
7. 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**.
8. 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**.
9. 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**.

### **2 International Symposiums and Conferences:**

1. Dimililer, K., Kavalcioglu C., “Gaussian Noise and Discrete Cosine Transform Image Compression on Transmission of Dermatological Images”, World Congress ([DSA 2011](#)), The Frontiers in Intelligent Data and Signal Analysis, The sixth International

Conference on Mass Data Analysis of Images and Signals in Medicine, Biotechnology, Chemistry and Food Industry (MDA 2011), New York, USA, 30 August - 3 September **2011**.

2. 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** )
3. Khashman A. and Dimililer K., “Intelligent System for Medical X-Rays Compression”, Proceeding of the International Conference on Mass-Data Analysis of Images and Signals in Medicine, Biotechnology, Chemistry and Food Industry (MDA’2009), Leipzig, Germany, 15-17 July **2009**
4. Khashman A. & Dimililer K., “Medical Radiographs Compression Using Neural Networks and Haar Wavelet”, Proceeding of the IEEE International Conference on ‘Computer as a Tool’ (EUROCON2009), Saint-Petersburg, Russia, 18-23 May **2009**.
5. 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**.
6. Khashman A., Sekeroglu B. & Dimililer K., “Coin Identification Using Artificial Intelligence”, Invited Speaker - Plenary Lecture, Proceedings of the 15th GBU International Conference on Control, Development and Applied Informatics in Business and Economics. Brasov, Romania, 10-12 November **2008**.
7. 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**.
8. 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 )
9. 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**.

10. 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**.
11. 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**.
12. 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**
13. Khashman A., Sekeroglu B. & Dimililer K., "Coin Identification Using Neural Networks", Proceedings of the 5th WSEAS Int. Conf. on Signal Processing (SIP '06), Istanbul, Turkey, 27-29 May **2006**.
14. 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**.
15. Khashman A., Sekeroglu B. & Dimililer K., "Deformed Banknote Identification Using Pattern Averaging and Neural Networks", Proceedings of the 4th WSEAS Int. Conf. on Computational Intelligence, Man-Machine Systems and Cybernetics (CIMMACS '05), Miami, USA, 17-19 November **2005**.
16. Koroglu A. E., Abiyev R., Akkaya N., Aytac E., Dimililer K., " NEUIslanders 2013 Team Description Paper ", ( ROBOCUP 2013 ), Eindhoven, Netherlands, 24-30 June **2013**.

### ***3 Books and Book Chapters:***

1. Khashman A., Sekeroglu B. & Dimililer K., "Rotated Coin Recognition Using Neural Network". In Melin et al. (Eds.), Advances in Soft Computing 41, Part V: Pattern Recognition, Springer-Verlag Berlin Heidelberg, **2007**.
2. Dimililer K., Kavalcioglu C., "Gaussian Noise and Haar Wavelet Transform Image Compression on Transmission of Dermatological Images", In Abraham et al. (Eds.), Communications in Computer and Information Science (CCIS) 192, Part:III: Advances in Computing and Communications, Springer-Verlag Berlin Heidelberg, **2011**.
3. Dimililer K., "Electronic Devices, Electronics-1 Laboratory Manual", Third Edition, 2013

#### **4 Other Publications:**

1. Khashman A. & Dimililer K., “Image Compression Using Biorthogonal Wavelet & Discrete Cosine Transforms”, EMO Bilim Journal of the Chamber of Electrical Engineers, Vol. 5, No. 16, North Cyprus, February **2005**.
2. Kavalcioglu C., Dimililer K & Alacam B., “Kuzey Kıbrıs Türk Cumhuriyeti Üniversitelerinde Mühendislik E itiminin De erlendirilmesi”, EMO Bilim Journal of the Chamber of Electrical Engineers, Vol. 10, No. 28, North Cyprus, August **2010**.
3. Kavalcioglu C., Dimililer K “E-Devlet Konusuna Genel bir Bakı ”, EMO Bilim Journal of the Chamber of Electrical Engineers, Vol. 10, No. 29, North Cyprus, September **2010**.
4. Dimililer K., Kavalcioglu C., Alacam B., Fikretler H. “Aydınlatma Kavramı, Aydınlatmanın Temel Prensipleri ve LED ile Aydınlatma”, EMO Bilim Journal of the Chamber of Electrical Engineers, Vol. 11, No. 30, North Cyprus, January **2011**.
5. Kavalcioglu C., Dimililer K., , Alacam B., Fikretler H. “Kompanzasyon Kavramı Temel Prensipleri ve Kompanzasyonun Gereklili i”, EMO Bilim Journal of the Chamber of Electrical Engineers, Vol. 11, No. 31, North Cyprus, April **2011**.
6. Kavalcioglu C., Dimililer K., , Alacam B., Fikretler H. “Enerji Kaynaklarının Kullanımı, Çevreye Etkileri ve Yenilenebilir Enerji Kaynakları”, EMO Bilim Journal of the Chamber of Electrical Engineers, Vol. 11, No. 32, North Cyprus, July **2011**.
7. Kavalcioglu C., Dimililer K., “Kablosuz Teletıp Sisteminde Toplamsal Beyaz Gauss Gürültüsü (AWGN) Kanalı ile Teledermatolojik Tıbbi Görüntülerin iletilmesi”, EMO Bilim Journal of the Chamber of Electrical Engineers, Vol. 12, No. 34, North Cyprus, February **2012**