

## ***List of Publications – M.K.Dutta.***

***All Articles are indexed in Scopus and Web of Science (Thomson Reuters )***

1. Soorya M, Ashish Issac, Malay Kishore Dutta, “An automated and robust image processing algorithm for glaucoma diagnosis from fundus images using novel blood vessel tracking and bend point detection”– International Journal of Medical Informatics, Elsevier Publishers, Thomson Reuter Impact Factor – 3.2.- Volume 110, February 2018, Pages 52–70, Thomson Reuter Impact Factor – 3.2.
2. Ashish Issac, Malay Kishore Dutta & Carlos M Travieso, “Automatic Computer Vision based Detection and Quantitative Analysis of Indicative Parameters for Grading of Diabetic Retinopathy” - Neural Computing and Applications, Springer Verlag Publsiher, DOI: 10.1007/s00521-018-3443-z, 2018, Thomson Reuter Impact Factor – 2.505.
3. Anushikha Singh & Malay Kishore Dutta, “Imperceptible Watermarking for Security of Fundus Images in Tele-ophthalmology Applications and Computer Aided Diagnosis of Retinal Diseases” – International Journal of Medical Informatics, Elsevier Publishers, Volume 108, December 2017, Pages 110-124, Thomson Reuter Impact Factor – 3.2.
4. José Luis Vásquez, Antonio G. Ravelo-García, Jesús B. Alonso, Malay K. Dutta, Carlos M. Travieso “Writer identification approach by holistic graphometric features using offline handwriting words” -Neural Computation and Applications, Springer Verlag Publisher – DOI: 10.1007/s00521-018-3461-x. Thomson Reuter Impact Factor – 2.505.
5. Namita Sengar, Malay Kishore Dutta and Carlos M. Travieso, “Computer Vision Based Technique for Identification and Quantification of Powdery Mildew Disease in Cherry Leaves” Computing, Springer Verlag Publsiher- Accepted for Publication. Thomson Reuter Impact Factor – 1.589.
6. Anushikha Singh, Malay Kishore Dutta, Eric Lespessailles, Rachid Jennane,“ Classification of the Trabecular bone structure of osteoporotic patients using machine vision” Computers in Biology and Medicine, Elsevier Publishers, Volume 91, 1 December 2017, Pages 148-158, Thomson Reuter Impact Factor – 1.8.
7. Anjali Yadav, Namita Sengar, Ashish Issac, Malay Kishore Dutta, “Image Processing based Acrylamide detection from Fried Potato Chip Images using Continuous Wavelet Transform” - Computers and Electronics in Agriculture, Elsevier Publishers – Volume 145, February 2018, Pages 349–362. Thomson Reuter Impact Factor – 2.201.
8. Nitya Sujata, Apoorv Gupta, Adeeba Shakeel, Deepa Suhag, Rohan Bhattacharya, Sandip Chakrabarti, Biswarup Basu, Satyendra K Rajput, M.K.Dutta, Monalisa Mukherjee, “Sulphur-doped Single-crystalline 2G Graphene Quantum Dots: Scaling New Heights in Cancer Cell Bioimaging – Green Computing, Journal of Royal Society of Chemistry, - Accepted for Publication (In Press). Thomson Reuter Impact Factor – 9.2.
9. Malay Kishore Dutta, M. ParthaSarathi, Shaumik Ganguly, Shaunak Ganguly and Kshitij Srivastava, “An Efficient Image Processing Based Technique for Comprehensive Detection and Grading of Non Proliferative Diabetic Retinopathy from Fundus Images” Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization, Taylor & Francis Publishers, Volume 5, Issue 3- 2017 - Pages 195-207, Thomson Reuter Impact Factor – 1.901.
10. Namita Sengar & Malay Kishore Dutta, “Automated System for Detection and Hierarchal Grading of Diabetic Retinopathy” Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization, Taylor & Francis Publishers, Published online: 07 Jun 2017, <http://dx.doi.org/10.1080/21681163.2017.1335236>, Thomson Reuter Impact Factor – 1.901.
11. Namita Sengar, Malay Kishore Dutta, Biplab Sarkar, “Computer Vision Based Technique for Identification of Fish Quality after Pesticide Exposure” International Journal of Food Properties, Taylor and Francis Publishers, Volume 20, 2017 - Issue sup2 - Pages 2192-2206, Thomson Reuter Impact Factor – 1.427.
12. Ashish Issac, Malay Kishore Dutta & Biplab Sarkar, “Computer Vision Based Method for Quality and Freshness check for Fish from Segmented Gills, Computers and Electronics in Agriculture, Elsevier Publishers, Volume – 139, 2017, Pages 10-21, Thomson Reuter Impact Factor – 2.201.
13. Arashdeep Kaur, Malay Kishore Dutta, “An optimized high payload audio watermarking algorithm based on LU factorization” Multimedia Systems Journal” Springer Verlag Publisher, DOI:10.1007/s00530-017-0545-x – 2017, pp. 1-15, Thomson Reuter Impact Factor – 2.207.
14. Arashdeep Kaur, M.K. Dutta, “Localized & Self Adaptive Audio Watermarking Algorithm in Wavelet Domain”, Journal of Information Security & Applications, Elsevier Publishers, Volume 33, 2017, Pages 1 – 15.

15. Garima Mehta, Malay Kishore Dutta and Pyung Soo Kim, "Combinational Domain Based Encryption Using FRWT & Hyperchaotic system for Biometric Data Security", *Information Security Journal: A Global Perspective*, Taylor and Francis Publishers, Volume-26, Issue - 4, Pages 198-211, 2017.
16. Arashdeep Kaur, Malay Kishore Dutta, "High Embedding Capacity and Robust Audio Watermarking for Secure Transmission with Tamper Detection", *ETRI Journal*, Wiley Publishers, Volume 40, Number 1, 2018 pp. 133 to 145, Thomson Reuter Impact Factor – 1.116.
17. Abhilasha Singh, Malay Kishore Dutta, "A Reversible Data Hiding Scheme for Efficient Management of Tele-Ophthalmological Data", *International Journal of E-Health and Medical Communications*, IGI Global Publishers, USA, Volume -8, Issue: 3, pp. 1-17, 2017.
18. Arashdeep Kaur, Malay Kishore Dutta, Nidhi Taneja and K.M.Soni, "Embedding Digital Watermark in One-Dimensional Signals Using Wavelet & Schur Decomposition" *Journal of Electronic Security and Digital Forensics*, Inderscience Publishers, UK, 2017 Vol.9, No.4 pp. 362-380.
19. Anamika Banwari, Namita Sengar, Malay Kishore Dutta, "Image Processing Based Colorectal Cancer Detection in Histopathological images" *International Journal of E-Health and Medical Communications*, IGI Global Publishers, USA, Volume 9, Issue 2, Article 1, pp 1-18, 2018, DOI: 10.4018/ IJEHMC.2018040101
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23. Abhilasha Singh, Malay Kishore Dutta, "A Robust Zero-Watermarking Scheme for Tele-Ophthalmological Applications" *Journal of KSU- Computer and Information Sciences*, Elsevier Publishers, doi.org/10.1016/j.jksuci.2017.12.008.
24. Malay Kishore Dutta, Anushikha Singh & Radim Burget, "Digital Ownership Tags Based on Biometric Features of Iris and Fingerprint for Content Protection and Ownership of Digital Images and Audio Signals" – *Multimedia Tools and Applications*, Springer Verlag Publishers, December 2016, Volume 75, Issue 23, pp 16287–16313, Thomson Reuter Impact Factor –1.530.
25. Malay Kishore Dutta & Anushikha Singh "Unique Identification Code for Medical Fundus Images Using Blood Vessel Pattern for Tele-ophthalmology Applications" *Computer Methods and Programs in Biomedicine*, Elsevier – DOI: 10.1016/j.cmpb.2016.07.011, October 2016, Volume 135, Pages 61–75, Thomson Reuter Impact Factor –2.509.
26. Malay Kishore Dutta, Anushikha Singh & Sabari Ghosal, "An Imaging Technique for Acrylamide Identification in Potato Chips in Wavelet Domain" *LWT- Food Science and Technology*, Elsevier Publishers, 2016, vol. 65, pp. 987-998, DOI: 10.1016/j.lwt.2015.09.035. Thomson Reuter Impact Factor – 2.329
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38. Jan Masek, Radim Burget, Lukas Povoda, Malay Kishore Dutta, "Multi-GPU Implementation of Machine Learning Algorithm using CUDA and OpenCL" *International Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems*, International Science and Engineering Society Publishers, Czech Republic. Vol. 5, No. 2 (2016), pp. 101-107.
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49. Jesús B. Alonso-Hernández, María L. Barragán-Pulido, Carlos M Travieso Gonzalez, Miguel Ferrer, Raquel Plata-Pérez and Malay Kishore Dutta, Anushikha Singh "Nonlinear characterization of ECG signals for automatic arrhythmia detection" 5th IEEE International conference on Singal Processing and Integrated Networks, 2017, Publisher: IEEE Xplore Digital Library Accepted for Publication. -
50. Varun Gupta, M.K.Dutta, Namita Sengar & Carlos Travieso González "Adaptive Threshold Based Automated Identification of Severity of Diabetic Macular Edema from Retinal Images" International Conference on Applications of Intelligent Systems, APPIS, January 2018, Las Palmas de Gran Canaria, Spain. Proceedings will be published by IOS Press.
51. Jai Sehgal, Sayantan Bhattacharya, Namita Sengar & M.K.Dutta and Carlos Travieso González "An Imaging Algorithm for Rotation Invariant Automated Macula localization in Digital Fundus Images" International Conference on Applications of Intelligent Systems, APPIS January 2018, Las Palmas de Gran Canaria, Spain, Proceedings will be published by IOS Press.
52. Ashmita Gupta, Ashish Issac, Malay Kishore Dutta & Kamil Riha "An Imaging Method for Automated Skin Lesion Segmentation using Statistical Analysis and Bit Plane Slicing" 4th IEEE International Conference on Computational intelligence and communication technology (CICT-2018). Publisher : IEEE Xplore Digital Library and will be Indexed in Scopus and Web of Science- Thomson Reuters. - Accepted for Publication.
53. Mohan Mishra, Anitek Bhattacharjee, Anushikha Singh and Malay Kishore Dutta, "A Lossless Model for Generation of Unique Digital Code for Identification of Biometric Images" 4th IEEE International Conference on Computational intelligence and communication technology (CICT-2018). Publisher : IEEE Xplore Digital Library and will be Indexed in Scopus and Web of Science- Thomson Reuters - Accepted for Publication.
54. Anjali Yadav, Malay Kishore Dutta and Radim Burget, " Automatic visible range imaging scheme to identify toxic substance from common starchy food" 4th IEEE International Conference on Computational intelligence and communication technology (CICT-2018). Publisher : IEEE Xplore Digital Library and will be Indexed in Scopus and Web of Science- Thomson Reuters - Accepted for Publication.
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62. Sayantan Bhattacharya, Jai Sehgal, Ashish Issac, Malay Kishore Dutta Radim Burget, Martin Kolarik, “Computer vision method for grading of health of a fundus image on basis of presence of red lesions” 41<sup>st</sup> IEEE International Conference on Telecommunications and Signal Processing, Athens, Greece, July, 2018 – Accepted for Publication.
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67. Anjali Yadav, Malay Kishore Dutta, Carlos M Travieso & Jesus B. Alonso, “Automatic Classification of Normal and Abnormal PCG recording Heart Sound Recording Using Fourier Transform”, IEEE International Work Conference on Bioinspired Intelligence, 2018 - San Carlos, Alajuela Province, Costa Rica– Accepted for Publication.
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