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PUBLICATIONS

ARTICLES IN INTERNATIONAL JOURNALS

1. D. Alex, **D. Abraham Chandy**, “Morphology Based Inpainting For Removal Of Markers In Medical Images” International Journal of Scientific & Technology Research, vol. 9, Issue-2, February 2020
2. Kowsalya, G., Christinal, H.A., **Abraham Chandy, D.**, Jebasingh, S., Bajaj, C., Analysis of the impact of measurement matrices in compressive sensing for medical images, Advances in Mathematics: Scientific Journal, 2020, 9(2 Special Issue), pp. 591-600
3. Preethi, C.Y., Christinal, H.A., Jebasingh, S., **Chandy, A.**, Generation of cycle picture languages using sequential spiking neural p system, Advances in Mathematics: Scientific Journal, 2020, 9(2 Special Issue), pp. 583-590
4. C. Babu, **D. Abraham Chandy**, “Performance of Predictive Coders for Wireless Capsule Endoscopy Image Compression” International Journal of Recent Technology and Engineering, vol. 8, Issue-5, January 2020
5. Babu, C., **Abraham Chandy, D.**, A novel corner elimination method for the compression of wireless capsule endoscopic videos, Lecture Notes in Computational Vision and Biomechanics, 2019, 31, pp. 161-168
6. D. Alex, H. Christinal, **D. Abraham Chandy**, A. Singh, and M. Pushkaran, “Speckle Noise Suppression in 2D Ultrasound Kidney Images using Local Pattern Based Topological Derivative,” Pattern Recognition Letters, vol. 131, Dec. 2019, DOI: 10.1016/j.patrec.2019.12.005 (**Impact factor 2.81**)
7. Babu, C., **Abraham Chandy, D.** & Karthigaikumar, P, “Novel chroma subsampling patterns for wireless capsule endoscopy compression” Neural Comput&Applic (2019). <https://doi.org/10.1007/s00521-019-04143-7> (**Impact factor 4.213**)
8. **D. Abraham Chandy**, Biji Yohannan, A. Hepzibah Christinal, Riju Ghosh, “Drivable path detection based on image fusion for unmanned ground vehicles”, International Journal of Vehicle Autonomous Systems, 2019 Vol.14 No.3, pp.265 - 277
9. N.M.Sivamangai, Karthigaikumar, Shilu Tresa Vinod, **D. Abraham Chandy**, “FPGA implementation of elephant recognition in infrared images to reduce the computational time”,

Journal of Ambient Intelligence and Humanized Computing, August 2018, DOI: 10.1007/s12652-018-0984-z (**Impact factor 1.423**)

10. D. Shamia, **D.AbrahamChandy**, “Intelligent system for cross-spectral and cross-distance face matching”, Computers and Electrical Engineering (2017), <http://dx.doi.org/10.1016/j.compeleceng.2017.09.004> (**Impact factor 1.570**)
11. **D. Abraham Chandy**, A. Hepzibah Christinal, Alwyn John Theodore, S. Easter Selvan, “Neighbourhood search feature selection method for content-based mammogram retrieval”. Medical & Biological Engineering & Computing (Springer), 2016, 55(3): 1-13, (**Impact factor 1.726**)

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1. Rekh, S., **Chandy, A.**, Implementation of academia 4.0 for engineering college education, Procedia Computer Science, 2020, 172, pp. 673-678
2. Alex, D.M., **Chandy, D.A.**, Evaluation of Inpainting in Speckled and Despeckled 2D Ultrasound Medical Images, Proceedings - 2020 Advanced Computing and Communication Technologies for High Performance Applications, ACCTHPA 2020, 2020, pp. 221-225, 9213203
3. **Chandy, D.A.**, Christinal, H.A., Chandrasekaran, R., Alex, D.M. Comparison of PSO and Sequential Search Algorithms for Improvisation of Entropy-Based Ear Localization, Advances in Intelligent Systems and Computing, 2020, 1138, pp. 51-63
4. Biji Yohannan, **D. Abraham Chandy**, “A novel approach for fusing lidar and visual camera images for unmanned ground vehicle navigation”, Proceedings of 4th International Conference on Advanced Computing and Communication Systems (ICACCS 2017), January 6th 7th, 2017
5. D. Shamia, **D. Abraham Chandy**, “Modality Gap Reduction in Heterogeneous Face Dataset using Difference of Gaussian Filter”, Proceedings of 4th International Conference on Advanced Computing and Communication Systems (ICACCS 2017), 6th& 7th January, 2017.
6. Biji Yohannan, **D. Abraham Chandy**, “Detection of drivable path in lidar image using gray level neighbours matrix and K-nearest neighbour classifier”, Proceedings of National Conference on Instrumentation, Control and Signal Processing (NCICS’17), 17th March, 2017.
7. Ciya Baby, **D. Abraham Chandy**, “Knee cartilage segmentation using multi atlas based registration and watershed algorithm”, Proceedings of the International Conference on Engineering Innovations and Solutions (ICEIS-2016), 22nd April, 2016.
8. Rakhi S. Chandrasekar, **D. Abraham Chandy**, “Automatic ear localization based on modified skin segmentation technique and Dual-Tree Complex Wavelet Transform”, Proceedings of the IEEE 3rd International Conference on Electronics and Communications Systems (ICECS’16), 25th& 26th February, 2016.