

Web of science/Scopus journals

Year	List of publications
2018	<ol style="list-style-type: none"> 1. Rabindra Barik, Amaresh Chandra Dubey, T Pratik, Rakesh Kumar Lenka, Harishchandra Dubey, Kunal Mankodiya and Vinay Kumar, “<i>MistData: Leveraging Mist Computing for Secure and Scalable Architecture for Smart and Connected Health</i>”, <i>Procedia Computer Science</i>, Elsevier Vol. 125, pp. 647-653, 2018 (Best Paper Award). 2. Akshay Kulkarni, Vinay Kumar, Pankaj Dhule, Sanjay Kumar Mishra, Anvita Tripathi and Rabindra Barik, “<i>Optical Filter Enabled Continuous Disinfection of Hospital Rooms using Multi-Sensor Feedback Aided Light Source</i>” <i>Procedia Computer Science</i>, Elsevier, Vol. 125, pp. 459-467, 2018.
2017	<ol style="list-style-type: none"> 3. Gokhale, Aniket V., Kishor K. Bhoyar, and Kishor M. Bhurchandi. "Color Particle Filter Tracking using Frame Segmentation based on JND Color and Spatial Connectivity 4-D Histogram." <i>IOSR Journal of VLSI and Signal Processing (IOSR-JVSP)</i>, Vol. 7, Issue 3, pp 46-54, 2017 4. Gokhale, Aniket V., Kishor K. Bhoyar, and Kishor M. Bhurchandi. "Color Image Segmentation based on 4-D Histogram using JND Color and Spatial Connectivity." <i>International Journal of Computer Applications</i> Vol. 167, Issue 10, June 2017 5. Neole, Bhumika A., Bhagyashree V. Lad, and K. M. Bhurchandi. "Denoising of digital images using consolidation of edges and separable wavelet transform." <i>International Journal of Computer Applications</i>, Vol. 168, Issue 10, 2017 6. Md Farukh Hashmi, Avinash G Keskar, “An Optimized FPGA Implementation of CAN 2.0 Protocol Error Detection Circuitry”, <i>Indonesian Journal of Electrical Engineering and Computer Science</i>, Volume 6, Issue 3, pp. 602-614, 2017 7. Varun Tiwari, Avinash Keskar, NC Shivaprakash, “Towards creating a reference based self-learning model for improving human machine interaction”, <i>CSI transactions on ICT</i>, Volume 5, Issue 2, pp 201-208, 2017 8. Varun Tiwari, Avinash Keskar, NC Shivaprakash, “A Reconfigurable IoT Architecture with Energy Efficient Event-Based Data Traffic Reduction Scheme.”, <i>International Journal of Online Engineering</i>, Volume 13, Issue 2, 2017 9. VR Satpute, KD Kulat, AG Keskar, “Comparative analysis of video compression mechanisms using 3D-DWT based video encoding along with EZW”, <i>International Journal of Computational Vision and Robotics</i>, Volume 7, Issue 4, pp 411-425, 2017 10. Shyam PM Prasad, Radhika Swarnkar, Mohammad Farukh Hashmi, Avinash G Keskar, ”Design and Implementation of a Speller based on EMG Signal”, <i>International Journal Of Computational Intelligence Systems</i>, Volume 10, Issue 1, Pages 266-276, 2017 11. Shyam Prasad PM, Radhika Swarnkar, Mohammad Farukh Hashmi, Avinash G Keskar, “Design and Implementation of a Speller based on EMG Signal”, <i>International Journal of Computational Intelligence Systems</i>, Vol. 10, Issue 1, pp. 266–276, 2017 12. Bokde, Neeraj Dhanraj, Aditya Gupta, and Kishore Kulat. "Backward Elimination Approach of Regression Model to Decide the Road Safety Policies Across the States in India." <i>Indian Journal of Science and Technology</i>, Vol. 9, Issue 48, 2017 13. Gupta, Aditya, K D Kulat, Neeraj Bokde, Dushyant Marathe. "Leakage Reduction in Water Distribution Systems with Efficient Placement and Control of Pressure Reducing Valves Using Soft Computing Techniques." <i>Engineering, Technology & Applied Science Research</i>, Vol. 7, Issue 2, pp-1528-1534, 2017 14. Patil, Rupali B., K. D. Kulat, and A. S. Gandhi. "GMSK Based Real Time Video Transmission on SDR Platform." <i>International Journal of Applied Engineering Research</i>, Vol. 12, Issue 15, pp 5089-5093, 2017 15. Singh, Sandeep Kumar, Anagha P. Rathkanthiwar, and Abhay S. Gandhi. "New Algorithm for Time and Frequency Synchronization in MIMO-OFDM Systems." <i>Wireless Personal Communications: 1-13</i>, Vol 93, Issue 2, March 2017 DOI: 10.1007/s11277-017-4090-x

	<p>16. Rupali B. Patil, K.D. Kulat, A. S. Gandhi, "GMSK Based Real Time Video Transmission on SDR Platform", International Journal of Applied Engineering Research, Research India Publications, Vol. 12, no. 15, pp. 5089-5093., 2017</p>
2016	<ol style="list-style-type: none"> 1. Bawane, Madhuri N., and K. M. Bhurchandi. "Classification of Mental Tasks using EEG and Hierarchical Classifier employing Optimised Neural Networks." International Journal of Computer Applications, Vol. 133, Issue 13, 2016 2. Sahu, Megha, and K. M. Bhurchandi. "Color Image Segmentation using Genetic Algorithm." <i>Int. J. Comput. Appl.</i>, Vol. 140 (2016), pp 15-20, 2016 3. Varun Tiwari, Avinash Keskar, NC Shivaprakash," Design of an IoT Enabled Local Network Based Home Monitoring System with a Priority Scheme", Engineering, Technology & Applied Science Research, Volume 7, Issue 2, Pages 1464-1472, 2016 4. Mohammad Farukh Hashmi, Avinash G Keskar, Vikas Yadav, "Fuzzy Based Image Forensic Tool for Detection and Classification of Image Cloning", International Journal of Computational Intelligence Systems, Volume 9, Issue 2, Pages 351-375, 2016 5. Vibha Bafna Bora, Ashwin G Kothari, Avinash G Keskar, "Robust Automatic Pectoral Muscle Segmentation from Mammograms Using Texture Gradient and Euclidean Distance Regression", Journal of digital imaging, Volume 29, Issue 1, Pages 115-125, 2016 6. Mohammad Farukh Hashmi, Ritu Pal, Rajat Saxena, Avinash G Keskar, "A new approach for real time object detection and tracking on high resolution and multi-camera surveillance videos using GPU", Journal of Central South University, Volume 23, Issue 1, Pages 130-144, 2016 7. Gupta, Aditya, Sudhir Mishra, Neeraj Bokde, Kishore Kulat "Need of Smart Water Systems In India." <i>International Journal of Applied Engineering Research</i>, Vol. 11, Issue 4, pp 2216-2223, 2016 8. Bokde, Neeraj, G.L Bodhe, Naresh Bokade, K D Kulat, "Development of adaptive and customizable Base Station system in Wireless Sensor Network." <i>International Journal of Applied Engineering Research</i>, Vol. 11, Issue 1, pp 33-39, November 2016 9. N. Anvesh Kumar, A. S. Gandhi, "A Compact Novel Three-Port Integrated Wide and Narrow Band Antennas System for Cognitive Radio Applications," International Journal of Antennas and Propagation, vol. 2016, Article ID 2829357, 14 pages, 2016. doi:10.1155/2016/2829357 10. KS Tiwari, AG Kothari, "Design of intelligent system for medical applications using rough set theory", International Journal of Data Mining, Modelling and Management, Vol. 8, Issue 3, pp 279. doi:10.1504/ijdm.2016.079069, 2016 11. RG Sutar, AG Kothari, "An Algorithm for Detection of ECG Morphological Points Using its Non-Linear Energy", Inderscience, International Journal of Biomedical Engineering and Technology (IJBET), Vol. 22, Issue 1, pp.14-30, 2016 12. Ragina C. Ghutke, Ch. Naveen, V. R. Satpute, "A Novel Approach for Video Frame Interpolation using Cubic Motion Compensation Technique", International Journal of Applied Engineering Research, ISSN 0973-4562, Volume 11, pp 7139-7146, Number 10, 2016 13. Prathamesh Gangal, Vishal Sapute, "Fast and Precise method for object detection in real-time video application", International Journal of Control Theory and Applications (IJCTA), Vol. 9, Issue 41, pp 909-917, 2016
2015	<ol style="list-style-type: none"> 1. Patil, Hemprasad Y., Ashwin G. Kothari, and Kishor M. Bhurchandi. "Eye-Strip based Person Identification based on Non-Subsampled Contourlet Transform." <i>International Journal of Computer Applications</i>, Vol. 121, Issue 12, 2015 2. Dubey, Amartansh, and K. M. Bhurchandi. "Robust and real time detection of curvy lanes (curves) with desired slopes for driving assistance and autonomous vehicles." <i>arXiv preprint arXiv:1501.03124</i>, 2015 3. Kumar, Pawan, and Kishore Bhurchandi. "Image denoising using ridgelet shrinkage." <i>Sixth International Conference on Graphic and Image Processing (ICGIP 2014)</i>. International Society for Optics and Photonics, Vol.9443, 2015. 4. Latha, P. Sneha, Pawan Kumar, Samruddhi Kahu, Kishore Bhurchandi, "Segmentation of color images using genetic algorithm with image histogram." <i>Seventh International Conference on Machine Vision (ICMV 2014)</i>. International Society for Optics and Photonics, Vol. 9445, 2015.

	<ol style="list-style-type: none"> 5. Mohammad Farukh Hashmi, Avinash G Keskar, "Block and Fuzzy Techniques Based Forensic Tool for Detection and Classification of Image Forgery", <i>Journal of Electrical Engineering and Technology</i>, Volume 4, Pages 1886-1898, 2015 6. Mohammad Farukh Hashmi, Avinash G Keskar, "Image Forgery Authentication and Classification using Hybridization of HMM and SVM Classifier", <i>International Journal of Security & Its Applications</i>, Volume 9, Pages 125-140, 2015 7. Mohammad Farukh Hashmi, Avinash G Keskar, Ravula Sai Kiran Reddy, Ambati Uday Kaushik, "Ghost Vehicle and Shadow Removal Approach for Traffic Surveillance and Monitoring at Various Intersections Using Computer Vision", <i>International Journal of Multimedia and Ubiquitous Engineering</i>, Volume 10, Issue 3, Pages 375-388, 2015 8. Vishal R Satpute, Ch Naveen, Kishore D Kulat, Avinash G Keskar, "Fast and Memory Efficient 3D-DWT Based Video Encoding Techniques with EZW Based Video Compression Mechanism", <i>Transactions on Engineering Technologies</i>, Pages 397-412, 2015
2014	<ol style="list-style-type: none"> 1. Mohammad F Hashmi, Aaditya R Hambarde, Avinash G Keskar, "Robust Image Authentication Based on HMM and SVM Classifiers", <i>Engineering Letters</i>, Volume 22, Issue 4, 2014 2. SB Dhok, RB Deshmukh, AG Keskar, "Efficient fractal image coding using fast Fourier transform", <i>GSTF Journal on Computing (JoC)</i>, Volume 1, Issue 2, 2014
2013	<ol style="list-style-type: none"> 1. Parlewar, P. K., and K. M. Bhurchandi. "A 4-quadrant curvelet transform for denoising digital images." <i>International Journal of Automation and Computing</i>, Vol. 10, Issue 3, pp 217-226, 2013 2. Anagha P. Rathkanthiwar, A. S. Gandhi, "New Efficient Timing and Frequency Error Estimation In OFDM", <i>Journal of Cyber Security and Mobility</i>, River Publisher, Vol. 2, Combined Issue 3 & 4, July & October, 2013 3. Mridula S.Korde, Abhay S. Gandhi, "Effect of Synchronization on Capacity Enhancement in WCDMA", <i>Journal of Information and Communication Technologies</i>, Universiti Utara Malaysia, Vol. 3, Issue 3, pp 7-12, March 2013
2012	<ol style="list-style-type: none"> 1. Parlewar, P. K., and K. M. Bhurchandi. "Quadrature Radon Transform for Smoother Tomographic Reconstruction." <i>Quadrature</i>, Vol.3, Issue 4, 2012 2. Pradnya H Ghare, AG Kothari, AG Keskar, "Evaluation of Scalability Issue of 802.15. 4 MAC forBody Area Networks", <i>International Journal of Computer and Electrical Engineering</i>, Volume 4, Issue 5, pp 718, 2012 3. Kanchan S Tiwari, Ashwin G Kothari, Avinash G Keskar, "Reduct generation from binary discernibility matrix: an hardware approach", <i>International Journal of Future Computer and Communication</i>, Volume 1, Issue 3, pp 270, 2012
2011	<ol style="list-style-type: none"> 1. Raut, Rajesh B., and Kishor M. Bhurchandi. "Color Image Watermarking using JND Sampling Technique." <i>Watermark</i>, Vol. 2, Issue 6, 2011 2. Hingway, S., and K. M. Bhurchandi. "An improved shock graph for an improved object recognition." <i>Cyber Journals: Multidisciplinary Journals in Science and Technology, Journal of Selected Areas in Software Engineering (JSSE), May Edition (2011)</i>. 3. AD Tete, AY Deshmukh, "Design of cortical neuron circuits with VLSI design approach", <i>International Journal on Soft Computing</i>, Volume 2, Issue 4, pp 45, 2011
2010	<ol style="list-style-type: none"> 1. Asamwar, Rohini S., Kishor M. Bhurchandi, and Abhay S. Gandhi. "Interpolation of images using discrete wavelet transform to simulate image resizing as in human vision." <i>International Journal of Automation and Computing</i>, Vol.7, Issue 1, pp 9-16, 2010 2. Bhurchandi, Kishor, and A. S. Gandhi. "Successive image interpolation using lifting scheme approach." <i>Journal of Computer Science</i>, Vol. 6, Issue 9, pp 969, 2010 3. Ashwin Kothari, Avinash Keskar, "Uann based pattern classifier using rough set approach", <i>International Journal of Pattern Recognition and Artificial Intelligence</i>, Volume 24, Issue 07, pp 1091-1109, 2010 4. SS Dorle, AG Keskar, Megha Chakole, "Traffic Controller Network for Collision Detection and Warning at Intersection", <i>IJCSNS</i>, Volume 10, Issue 4, pp 87, 2010

	<ol style="list-style-type: none"> 5. Dr ST Gandhe KT Talele, Dr AG Keskar, "Steganography security for copyright protection of digital images using dwt", International Journal of Computer and Network Security, Volume 2, Issue 4, 2010 6. Rohini S.Asamwar, Kishor Bhurchandi, Abhay Gandhi, "Interpolation of Images using Discrete Wavelet Transform to Simulate Image Resizing as in Human Vision", International Journal of Automation and Computing, Springer Verlag, , Vol. 7, No. 1, pp. 9-16, February 2010
2009	<ol style="list-style-type: none"> 1. Asamwar, Rohini S., Kishor M. Bhurchandi, and Abhay S. Gandhi. "Piecewise lifting scheme based DWT to model human vision interpolation phenomenon." <i>Proceedings of the World Congress on Engineering</i>. Vol. 1, 2009. 2. Ashwini S Gawarle, AY Deshmukh, AG Keskar, "Towards Fuzzy Adaptive Resonance Theory Structure Designs with VLSI", Digital Technology Journal, Volume 2, Issue 1, 2009 3. SS Dorle, AG Keskar, Megha B Chakole, "Design of MAC Protocol in Vehicle Safety System Using Dedicated Short Range Communications (DSRC)", Digital Technology Journal, Volume 2, Issue 1, 2009 4. Ashwin Kothari, Avinash Keskar, "Rough Set Approach for Overall Performance Improvement of an Unsupervised ANN-Based Pattern Classifier. ", JACIII, Vol. 13, Issue 4, pp 434-440, 2009 5. Kapil K Jajulwar, AY Deshmukh, PR Bajaj, GH Principal, AG Keskar, "Genetic Optimization of Fuzzy Logic controllers", International Journal of Simulation: Systems, Science and Technology, Vol. 10, Issue 4, pp 19-24, 2009 6. Pravin P Ashtankar, Sanjay S Dorle, M Chakole, Avinash G Keskar, "Design Approach for Anti-collision Mechanism between Vehicle to Vehicle for Improving Safety Operation In Intelligent Transportation System", Proceedings of the International MultiConference of Engineers and Computer Scientists, Vol. 2, pp 18-20, 2009
2008	<ol style="list-style-type: none"> 1. AY Deshmukh, AB Bavaskar, PR Bajaj, AG Keskar, "Implementation of complex fuzzy logic modules with VLSI approach", International Journal on Computer Science and Network Security, Vol. 8, pp 172-178, 2008 2. ST Gandhe, KT Talele, AG Keskar, "Face Recognition Using Contour Matching", IAENG International Journal of Computer Science", Vol. 35, Issue 2, 2008
2007	<ol style="list-style-type: none"> 1. ST Gandhe, KT Talele, AG Keskar, "Intelligent face recognition techniques: a comparative study", GVIP Journal, Vol. 7, Issue 2, pp 53-60, 2007
2004	<ol style="list-style-type: none"> 1. Preeti Bajaj, Avinash Keskar, "Neuro-Fuzzy Hybrid Intelligent Industrial Control and Monitoring- Exploring Benefits of Neuro Fuzz Controller with Vehicle Health Monitoring", Lecture Notes in Computer Science, Vol. 3215, pp 551-558, 2004

