Papers published in International Journals of

Dr. R. GOMATHI

Assistant Professor, Department of Electronics and Communication Engineering,

University College of Engineering Dindigul Campus,

Dindigul-624 622.

E-Mail ID: gomathiaudece@gmail.com, Contact No: 94424 64998

- 1. K Uthra Devi & R Gomathi (2020), 'Brain Tumor Classification using saliency driven non-linear diffusion and deep learning with convolutional neural networks (CNN)', Journal of Ambient Intelligence and Humanized Computing, ISSN: 1868-5137, E-ISSN: 1868-5145, DOI: 10.1007/s12652-020-02200-x, June 2020.
- 2. R Gomathi (2019), 'Robust watermarking scheme in YCbCr Color Space using SVD and DKT-DCT Hybrid wavelet transforms', International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9, Issue-2, December 2019.
- 3. R Gomathi (2019), 'Authenticated Medical Image Transmission using Enhanced Reversible Data Hiding (RDH) with NNP² Algorithm and Rhombus Prediction', International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-4, November 2019.
- 4. R Gomathi (2019), 'Intelligent Visual Privacy Protection using Context-Aware Patch based Inpainting with Markov Random Field (MRF) Modelling', International Journal of Information and Computing Science, Volume 6, Issue 4, April 2019, ISSN: 0972-1347 (UGC Approved)
- 5. R Gomathi (2018), 'Grading of Rice Grain Samples Based on their Added Morphological Features Using Image Processing Technique', IJREAT International Journal of Research in Engineering & Advanced Technology, Volume 6, Issue 1, Feb Mar, 2018, ISSN: 2320 8791 (Impact Factor: 2.317)(UGC Approved)
- 6. R Gomathi (2017), 'Boundary Detection of Brain Tumor from MRI Images using Minimum Cross Entropy Thresholding (MCET)', International Journal of Advanced Engineering Research and Technology (IJAERT) Volume 5 Issue 11, November 2017, ISSN No.: 2348 8190 (UGC Approved)
- 7. R Gomathi (2017), 'Forged Image Detection by Analyzing Edge, Visual Saliency and Textural Features using SVM Classifier', International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), Volume 2, Issue 6, ISSN: 2456-3307 (UGC Approved)
- 8. R Gomathi&Dr A Vincent Antony Kumar (2012), 'A Multiresolution Approach for Color Image Inpainting Using an Efficient Generalized Expectation Maximization

- (GEM) Model', International Journal of Physical Sciences, Vol. 7(22), pp. 2916-2924
- 9. R Gomathi&Dr A Vincent Antony Kumar (2012), 'Shearlet Domain Color Image Inpainting Based on p-Laplacian Operator', European Journal of Scientific Research, Vol. 67/Issue 3/ pp. 413-420
- 10.R Gomathi&Dr A Vincent Antony Kumar (2014), 'A Multiresolution Image Completion Algorithm for Compressing Digital Color Images', Journal of Applied Mathematics, Volume 2014 (2014), Article ID 757318
- 11.R Gomathi&Dr A Vincent Antony Kumar (2014), 'Inpainting for satellite imagery using thin plate spline radial basis function neural networks in shearlet domain', Journal of Intelligent and Fuzzy Systems, vol. 27, no. 5, pp. 2391-2398
- 12.R Gomathi&Dr A Vincent Antony Kumar (2014), 'An Efficient Multi-resolution Video Compression Approach with Inpainting Algorithm', RJASET, P4313 -4318
- 13. Aiswarya S & Gomathi R (2018), "Review on Cryptography and Steganography Techniques in Video", 2018 IEEE International Conference on Computational Intelligence and Computing Research, Thiagarajar College of Engineering, Madurai, 2018 December 13 to 15.
- 14.R Gomathi (2018), "Enhanced Marker Controlled Watershed Algorithm (EMCWA) for Segmentation of WearParticles in Transformer Oil", International Conference on Intelligent Computing and Sustainable System (ICICSS 2018), Akshaya College of Engineering and Technology, Coimbatore, 20, 21 September 2018.
- 15.R Gomathi (2018), "Fast Averaging Peer Group Filtering (FAPGF) of Wear Particles in Transformer Oil", IEEE Sponsored 3rd International Conference on Engineering and Technology (ICETECH'18), Rathinam Technical Campus, Coimbatore, 30 & 31 August 2018.
- 16.R Gomathi& S Selvakumaran (2018), "A New Bivariate Shrinkage Denoising of Remotely Sensed Images with Discrete Shearlet Transform (DST)", International Conference on Intelligent Computing and Control Systems (ICICCS 2018), organized by Vaigai College of Engineering, Madurai during 14-15, June 2018.
- 17.B Ramachandran& R Gomathi (2018), "Certain Investigations on Edge Detection Techniques with Artificial Bee Colony and Bacterial Foraging Optimization Algorithms", International Conference on Applied Analysis, Mathematical Modeling and Computing Techniques, organized by The Gandhigram Rural Institute (Deemed to be University), Gandhigram, during March 15-17, 2018.
- 18.V.Lakshmanan& R Gomathi (2017), "A survey on image completion techniques in remote sensing images", 4th International Conference on Signal Processing, Communications and Networking, organized by MIT, Anna University, Chennai during March 16-18, 2017
- 19.K.Uthradevi& R Gomathi (2017), "Medical image classification using soft computing techniques: A comparative study", IEEE International Conference on

- Science, Technology, Engineering and Management, organized by KalaignarKarunanidhi Institute of Technology, Coimbatore during March 3-4, 2017
- 20.R Gomathi&Dr A Vincent Antony Kumar (2010), "An Efficient GEM Model for Image Inpainting using a New Directional Sparse Representation: DST", 2010 IEEE International Conference onComputational Intelligence and Computing Research, organized by Tamilnadu College of Engineering Coimbatore during Dec 28 to 29, 2010.
- 21.R Gomathi&Dr A Vincent Antony Kumar (2010), "Shearlet Domain Digital Image Inpainting Based on P-Laplacian Operator", International Conference on Advances and Emerging Trends in Computing Technologies (ICAET10), organized by SRM University School of Computing, Chennai during June 21 to 24, 2010.
- 22.R Gomathi (2008), 'Color Image and Video Denoising Using 3D Discrete Analytical Ridgelet Transform (3DDART)', Fourth National Conference on Innovations in information and communication technology (NCIICT08) organized by PSG College of Technology, Coimbatore during Dec 12-13, 2008
- 23.R Gomathi& T Preethiya (2008), 'Electronic Textiles and Wearable Computing for Autonomous Location Awareness', National Conference on Mobile and Pervasive Computing (CoMPC 2008) organized by Velammal Engineering College, Chennai during Aug 09-08, 2008
- 24.A.X. Susmitha, Dr.VRajamani& R Gomathi (2007), 'Extraction of Features for the CBIR Medical images: Towards Computer Assisted Diagnostic Approach', National Conference on Advanced Communication Techniques (NCACT 2007) organized by ACCET, Karaikudi during Mar 29-30 2007.
- 25.R.Gomathi, S.Vasuki&Dr.L.Ganeasan (2004), 'Color Texture Edge Detection Using Wavelets', National Conference on Control Communications and Information Systems (CCIS 2004) organized by Goa College of Engineering, Goa during Jan 23-24, 2004
- 26.R.Gomathi&S.Vasuki (2003), 'Efficient Scrambling of Digital Images Using Wavelets', National Conference on Network Engineering (NCON 2003) organized by ArulmiguKalasalingam College of Engineering, Srivilliputthur during Dec 19-20, 2003