

**Name & Designation : Dr.P.T.Vanathi**

9. Patents : - 10. Technology Transfer : - 11. Research Publications :

No. of papers published in

National Journals : 30

International Journals : 55

## **Publications**

1.Middle-Order Vehicle-Based Clustering Model for Reducing Packet Loss in Vehicular Ad-hoc Networks

S. David ., P. T. Vanathi ., Journal of Circuits, Systems and Computers, **Year** 2020

DOI:10.1142/S0218126620501807

2.Fault identification in woven fabric using Back propagation neural network

V Gnanaprakash ., G Suresh ., P T Vanathi .,

Proceedings of the 2019 International Conference on Advances in Computing and Communication Engineering, ICACCE 2019, **Year** 2019

DOI:10.1109/ICACCE46606.2019.9080015

3.Design of All-Digital Phase Locked Loop for Improved Frequency Lock Range

Anjeleena Erm ., Nidhi Toppo ., D. Sugumar ., P.T. Vanathi .,

2nd International Conference on Signal Processing and Communication, ICSPC 2019 - Proceedings, **Year** 2019, **Pages** 218-221

DOI:10.1109/ICSPC46172.2019.8976793

4.Image classification using deep learning technique

Gopala Krishnan K. Journal of International Pharmaceutical Research, **Volume** 46, **Year** 2019, **Pages** 577-590

Development of feature descriptor for texture classification

K. GopalaKrishnan ., P. T. Vanathi ., K. S. Saghana , Proceedings of the International Conference on Trends in Electronics and Informatics, ICOEI 2019, **Volume** 2019-April, **Year** 2019, **Pages** 1116-1121

DOI:10.1109/icoei.2019.8862576

5.Citrus classification and grading using machine learning algorithms

Sugumar, D.;Harshavarthan, V.;Kavisri, S.;Aezhisai Vallavi, M. S.;Vanathi, P. T.e International Journal of Innovative Technology and Exploring Engineering, **Volume** 8, **Year** 2019, **Pages** 2616-2621

DOI:10.35940/ijitee.J9349.0881019

6.Knowledge transfer for efficient cross domain ranking using AdaRank algorithm

Geetha, N.;Vanathi, P. T. International Journal of Business Intelligence and Data Mining, **Volume** 14, **Year** 2019, **Pages** 89-105

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7.Modified low-power built-in self-test for image processing application

Anitha, P.;Ramanathan, P.;Vanathi, P. T.Chapter Lecture Notes in Computational Vision and Biomechanics, **Volume** 31, **Year** 2019, **Pages** 199-206DOI:10.1007/978-3-030-04061-1\_20 1Citations

8.An efficient texture classification algorithm using integrated Discrete Wavelet Transform and local binary pattern features Gopala Krishnan, K.;Vanathi, P. T.Article Cognitive Systems Research, **Volume** 52, **Year** 2018, **Pages** 267-274

DOI:10.1016/j.cogsys.2018.07.015

9.Android application for complaining against the social issues

Vanathi, P.;Ambika, N.;Sivaranjani, E.;Suruthipriyanga, R.;Sailaja, L.Conference Paper 2017 International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies, ICAMMAET 2017, **Volume** 2017-January, **Year** 2017, **Pages** 1-6

DOI:10.1109/ICAMMAET.2017.8186721

Reversible data hiding based on radon and integer lifting wavelet transform

Amsaveni, A.;Vanathi, P. T.Article Informacije MIDEM, **Volume** 47, **Year** 2017, **Pages** 91-99

10.Separation of maternal and fetal ECG signals using improved independent vector analysis

Sugumar, D.;Vanathi, P. T.Article Journal of Medical Imaging and Health Informatics, **Volume** 6, **Year** 2016, **Pages** 2048-2056 DOI:10.1166/jmihi.2016.1972

11.Attribute selection using binary flower pollination algorithm with greedy crossover and 'one to all' initialization Preethi, C. M.;Vanathi, P. T.Article Electronics Letters, **Volume** 52, **Year** 2016, **Pages** 1757-1759

DOI:10.1049/el.2016.2324

12.Performance analysis of texture classification techniques using shearlet transform

Krishnan, K. Gopala;Vanathi, P. T.;Abinaya, R.Conference Paper Proceedings of the 2016 IEEE International Conference on Wireless Communications, Signal Processing and Networking, WiSPNET 2016, **Year** 2016, **Pages** 1408-1412 DOI:10.1109/WiSPNET.2016.7566368

13.A novel agent based match making algorithm in multi-tenant architecture Fera, M. Arun;Vanathi, P.;Sarumathi, M.;Ashabanu, I.;Umayal, V.Conference Paper ICoAC 2015 - 7th International Conference on Advanced Computing, **Year** 2016 DOI:10.1109/ICoAC.2015.7562792

14.Texture classification using shearlet transform energy features Gopala Krishnan, K.;Vanathi, P. T.;Abinaya, R.Conference Paper Communications in Computer and Information Science, **Volume** 679, **Year** 2016, **Pages** 3-13DOI:10.1007/978-981-10-3274-5\_1

15.An efficient reversible data hiding approach for colour images based on Gaussian weighted prediction error expansion and genetic algorithm Amsaveni, A.;Vanathi, P. T.Conference Paper International Journal of Advanced Intelligence Paradigms, **Volume** 7, **Year** 2015, **Pages** 156-171

DOI:10.1504/IJAIP.2015.070769

16.A comprehensive study on image steganography and steganalysis techniques

Amsaveni, A.;Vanathi, P. T.Article International Journal of Information and Communication Technology, **Volume** 7, **Year** 2015, **Pages** 406-424DOI:10.1504/IJICT.2015.070300

17.Texture classification using multiresolution transforms Gopala Krishnan, K.;Vanathi, P. T.;Shanmuga Priya, P.Article ARPN Journal of Engineering and Applied Sciences, **Volume** 10, **Year** 2015, **Pages** 5060-5064

Design of digital filters for multi-standard transceivers

Latha, R.;Vanathi, P. T.Article International Journal on Electrical Engineering and Informatics, **Volume** 7, **Year** 2015, **Pages** 517-530

DOI:10.15676/ijeel.2015.7.3.13