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**List of Research publications in SCI and Web of Science Journals:**

1. R. Suresh Kumar, P. Manimegalai “Near lossless image compression using parallel fractal texture identification”, Biomedical Signal Processing and Control, Vol.58, pp-1-9, January 2020.
2. Narmatha C, Manimegalai P & Manimurugan S “A Grayscale Image Hiding Encode Scheme for Secure Transmission” Current Signal Transduction Therapy, 2019, 14(2), 146-151.
3. Vijayalakshmi Yellepeddi & Manimegalai P & Sasidhar Babu Suvanam “Accurate Approach Towards Efficiency of Searching Agents in Digital Libraries Using Keywords” Journal of Medical Systems (2019) 43:164.
4. Brindha, V., T. Karthikeyan, and P. Manimegalai. "Fuzzy enhanced secure multicast routing for improving authentication in MANET." Cluster Computing (2018): 1-9.
5. S.Sathish kumar, P.Manimegalai, S.Karthik. “A rough set calibration scheme for energy effective routing protocol in mobile ad hoc networks.” Cluster Computing (2018): 1-7
6. T. Karthikeyan, Brindha, V, P. Manimegalai.” Investigation on maximizing packet delivery rate in WSN using cluster approach, Wireless personal Communications” pp-1-15, October 2018.
7. Dr.P.Manimegalai, Shine Augustine, Eldin Henry. “Estimation of physiological parameters and early prediction of cardiovascular risk from ECG and PPG signals.” pensee 76.8 (2014): 246-258.
8. Manimegalai P, Shine Augustine, Prajoona Valsalan, Shibi O. “Non invasive estimation of blood pressure using a linear regression model from the photoplethysmogram (PPG) signal”. Revista Perspectivas em Ciência da Informação (PERSPECTIVES IN INFORMATION SCIENCE) 22.4 (2017): 191-205 ISSN: 1413-9936
9. Suresh Kumar. R, Dr.Manimegalai. P, Dr.Kamalraj, S. “Implementation of neural network with ALE for EEG signal processing” Perspectivas em Ciencia da Informacao 22.5(2017): 37-47 ISSN: 1413-9936.

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11. A.Mahesh, Dr.P.Manimegalai. “A Deep Belief Network for classifying IoT Data”,Revista de la facultad de Agrronomia”,Vol.34.issue.1,April 2018.
12. Mohanarathinam Ayyaswamy , Kamalraj Subramaniam, and Manimegalai Perumal.” Design and Development of Steganography Using Hybrid Transform with Decomposition Based Embedding Algorithm and Hybrid Encryption Scheme” Journal of Computational and Theoretical Nanoscience. Vol. 14, 5989–5996, 2017