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**Research Papers Published in Journals**

1. Bindhu Azhakappan & Umamaheswari oorkavalan, "Color corrected single scale retinex based haze removal and color correction for underwater images", color research and applications, published by Wiley. Vol. 45, pp. 1-10 (2020).
2. Bindhu, K. Lakshmipriya, O. Uma Maheswari, "Classification based on underwater degradation using neural network", Journal of Ambient Intelligence and Humanized Computing, published by Springer-Verlag GmbH Germany, part of Springer Nature 2020 (2020).
3. Lokesh Sivanandam, Sakthivel Periyasamy, Oorkavalan Umamaheswari, "Power transition X filling based selective Huffman encoding technique for test-data compression and Scan Power Reduction for SOCs. ", Journal of Microprocessor and Microsystems, published by Elsevier. Vol. 122, pp. 102937 (2020).
4. Neeti Singh & Umamaheswari O, "Triple Threshold Statistical Detection Filter for removing High-density Random-valued Impulse Noise in images", EURASIP Journal on Image and Video Processing, published by 38. pp. 22 (2018).
5. Bindhu Azhakappan Umamaheswari oorkavalan, "Intensifier based restoration technique for low and nonuniform illuminated underwater color images", Taga journal ISSN: 1748-0345 (Online), published by Taga Journal. Vol. 14, pp. 3327 - 3344 (2018).
6. Lokesh sivanandam, uma maheswari oorkavalan, sakthivel periyasamy, "Test data compression for digital circuits using tetrad state skip scheme", published by Design Automation for embedded system. Vol. 21, Issue 3, pp. 197-211 (2017).

7. Neeti Singh & Umamaheswari, "Correlation Coefficient based Detection algorithm for the removal of Random-valued Impulse Noise in Images", ICTACT Journal on Image and Video Processing, published by ICTACT. Vol. 8, Issue 2, pp. 1614-1625 (2017).
8. Neeti Singh, Thilagavathy, T, Lakshmipriya, TR & Umamaheswari, O, "Some studies on Detection and Filtering algorithms for the removal of Random-valued Impulse Noise in Images", IET Image Processing, published by Institute of Electrical Engineers. Vol. 11, Issue 11, pp. 953-963 (2017).
9. Thaiyalnayaki, SP., Uma Maheswari, O, "Time Series Analysis and Identification of RSN using GLM-ICA two Class Classifier", Biomedical Research spl issue, published by Allied academics. pp. s60 - s67 (2016).
10. Thaiyalnayaki, SP., Uma Maheswari, O, "Identification and automatic ICA-PSO two Class Classification of Time Series RSN in shaky hand syndrome", Circuits and Systems, Vol. 7, Issue 8, pp. 1866-1873 (2016).
11. Rajmohan, V. and Uma Maheswari, O, "Design of Compact Baugh-Wooley Multiplier Using Reversible Logic", Circuits and Systems, published by ISSN Online: 2153-1293. . Vol. 7, pp. 1522-1529 (2016).
12. S. Lokesh, O. UMA Maheswari and P. Sakthivel, "Three State Skip Logic Built-In Self-Test Scheme for Combinational Circuits", Asian Journal of Information Technology, published by Medwell Journals. Vol. 15, Issue 15, pp. 2693-2698 (2016).
13. V. Solai Revathi, P. Udayaprasanth, S.P. Thaiyalnayaki and O. Uma Maheswari, "Gender Based Lateralization Effects on Resting State FMRI of ADHD Subjects", Asian Journal of Information Technology, published by Medwell journals scientific research publishing co. Vol. 15, Issue 21, pp. 4184-4188 (2016).
14. Neeti Singh, T.R Lakshmi Priya, T. Thilagavathy and O. Uma Maheswari, "A New Random Valued Impulse Noise Detection Algorithm to Eliminate Misdetetection", Asian Journal of Information Technology, published by Medwell journals Scientific research publishing co. Vol. 15, Issue 20, pp. 3932-3937 (2016).
15. Rajmohan, V, Uma Maheswari, O, " Design of Baugh-Wooley Multiplier Optimized for Power Consumption", Journal of Computational and

Theoretical Nano science, published by American Scientific Publishers.. Vol. 14, Issue 1, pp. 277-283 (2016).

- 16.V. Raj Mohan, O. Uma Maheswari, "Low Power Modified Wallace Tree Multiplier Using Cadence Tool", World Engineering & Applied Sciences Journal, published by IDOSI Publications. Vol. 7, Issue 4, pp. 275-284 (2016).
- 17.Thaiyalnayaki, SP, Rohini, A., Uma Maheswari, O, "Comparison of VAM data using SPM and ICA", International Journal of Applied Engineering Research, published by ISSN 0973-9769. Vol. 10, Issue 4, pp. 10817-10824 (2015).