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PUBLICATIONS

INTERNATIONAL JOURNALS:

1. R.Mahalakshmi “An Improved Architecture for Removal of Random Valued Impulse Noise to Obtain Quality Images”, International Journal of Advanced Science and Technology, vol-29, No.7s, pp.5129-5143, ISSN:2005-4238 May 2020.
2. Mahalakshmi R &Sasilatha, T, “An Improved Digital FIR Filter Design using Fast FIR Algorithm and Modified Carry Save Addition”, National Academy Science Letters in June.2018, ISSN: 0250-541X ,DOI:10.1007/S40009-018-0627-0, Springer Publication.
3. Mahalakshmi R&Sasilatha, T, “Investigations on Low Power FIR Filter Design Using Arithmetic Strength Reduction Technique”, Middle-East Journal of Scientific Research, vol. 25, No. 2, pp. 327-334, ISSN: 1990-9233 , 2017.
4. T. Sasilatha, Mahalakshmi R&R.P.SureshMohan Kumar, ”An Area Efficient Low Power FIR filter for ECG Noise Removal Application”International Journal of Pure and Applied Mathematics, Vol.116, No. 24, 2017, 211-219, ISSN: 1314-3395 (on-line version).
5. T. Sasilatha, Mahalakshmi.R&R.P.SureshMohanKumar , “ Performance Analysis of Low Power FIR Filters Using Modified CSA in Biomedical Applications”, Journal of Advanced research in Dynamical and control systems, 02-special issue, pp. 524-530, ISSN:1943-023X, 2017.
6. T.Sasilatha, R.Mahalakshmi, P.Suresh Mohan Kumar, Dhanya.T, ” An Efficient Strategy Over Brain Tumour Analysis Using Image Processing Technique ”, International Journal of Pharmacy & Technology, Sept.2017, Vol.9. Issue No. 3, 30687-30696, ISSN:0975-766X
7. Mahalakshmi.R&Sasilatha, T, “Design of a Novel 16-Bit Compact Carry Save Adder by using GDI Logic for Low Power and Low Area Applications”, Middle-East Journal of Scientific Research, vol. 24, no. 6, pp. 1989-1994, June-2016
8. Mahalakshmi R&B.IndhiraPriyadharsini, “AAN Approach for Monitoring the Arcing Discharges by Using Image Processing Techniques”, International Journal of Latest Trends in Engineering and Technology, Volume 7, Issue 3, Page No: 185-191, ISSN: 2278-621X, 2016.

9. Manimegalai L, Mahalakshmi R, Sasikala S, Madhavan G, “ An adaptive architecture for Impulse Noise removal and Image Reconstruction”, International Journal of Applied Engineering and Research, Vol.10 , No.23, pp. 20734-20739, ISSN 0973-4562, 2015.
10. Mahalakshmi R&Sasilatha, T, “A Low Power Modified Carry Save Adder For Reconfigurable Digital Filters”, International Journal of Applied Engineering Research, vol. 9, no. 24 pp. 24601-24609, ISSN: 0973-4562, 2014

INTERNATIONAL CONFERENCES:

1. Mahalakshmi, R. and Sasilatha, T. “A power efficient carry save adder and modified Carry save adder using CMOS technology”, IEEE explore, 978-1- 4799-1597 ©2013 IEEE., 2013.
2. Bhuvaneswari S, Sathish B & Mahalakshmi R, “ Wireless Home Energy Consumption control based on Prioritized Load Switching” IEEE explore ,978-1-4799-9855-5©2015 IEEE., 2015.
3. Mahalakshmi, R. “An Enhanced DE noising Architecture for the removal of random valued Impulse noise in Images” in in ICEECE 2015 at Vivekananadha College of Engineering – 11th and 12th March 2015.