

# Publications in Journals:

1. G. Mahendran and B. Ramasubramanian, "An Efficient Integrated Approach for the Detection of Exudates and Diabetic Maculopathy in Colour fundus Images" Advanced Computing: An International Journal (ACIJ), Vol.3, No.5, pp. 83 -91, September 2012.
2. G. Mahendran, R. Dhanashekar and K.N.NarmadhaDevi. "Recognition of Exudates and their severity level using a special neural network," International Journal of Electronic Communications Engineering Advanced Research, Vol.2, SP-1, pp. 104-108, February 2014,
3. G. Mahendran and Raj Priyanka, "Fuzzy Logic Based Multi modal Medical Image Fusion of MRI-PET Images" International Journal of Electronic Communications Engineering Advanced Research, Vol.2, SP-1, pp. 100-103, February 2014.
4. S. Mofiya Fargana and G. Mahendran, "Critical Path Analysis and Low Complexity Implementation of the LMS Adaptive Algorithm", International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE), ISSN: 0976-1353 Vol. 12 No. 4, pp. 110-114, February 2015.
5. G. Mahendran K. Senthurpandiyar, "An optimized Booth Recoder For Efficient Design of the Add-on Multiply Operator", International Journal of Applied Engineering Research, Vol. 10, No. 55, pp.953-956, Aug 2015, ISSN: 0973-4562.
6. G. Mahendran and R. Dhanaekaran, "Detection and Localization of Retinal Exudates for Diabetic Retinopathy", Journal of Biological Systems, Vol. 23, No. 2, pp. 195–212, June 2015,
7. G. Mahendran and R. Dhanasekaran, "Investigation of the severity level of diabetic retinopathy using supervised classifier algorithms", Computers and Electrical Engineering, Vol. 45, pp. 312–323, July 2015, ISSN: 0045-7906.
8. G. Mahendran and R. Dhanasekaran "Investigation of Abnormalities for Diabetic Retinopathy", International Journal of Applied Engineering Research, Vol. 10, No. 55, pp. 963–967, Aug 2015, ISSN: 0973-4562.
9. G. Mahendran and R. Dhanasekaran "An Automatic Grading System of Severity Level For Diabetic Retinopathy Using CNN Classifier", ARPN Journal of Engineering and Applied Sciences, Vol. 10, No. 13, pp. 5631–5636, July 2015, ISSN: 1819-6608.
10. Geetha P., Mahendran G., "A Low Complexity LMS Adaptive Filter In Decision Feedback Equalization", International Journal Of Applied Engineering And Research, Vol. 10 , No. 55 , pp . 342-345, Aug 2015.
11. Narmadha Devi.K.N, Mahendran Gandhi, "A Novel Food Recognition and Dietary Assessment System for Diabetic Patients using Anfis Classifier", International Journal of Applied Engineering Research, Vol. 10 No.55, pp. 525 – 530, Aug 2015.

12. K. Kalaimurugan, S. Karthikeyan, M. Periyasamy, G. Mahendran & T. Dharmaprabhakaran, "Performance, emission and combustion characteristics of RuO<sub>2</sub> nanoparticles addition with neochloris oleoabundans algae biodiesel on CI engine", Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, doi.org/10.1080/15567036.2019.1694102, Publishedonline: 24 Nov 2019.
13. & G. Mahendran K. Kalaimurugan, S. Karthikeyan, M. Periyasamy, & T. Dharmaprabhakaran, "Experimental studies on the influence of copper oxide nanoparticle on biodiesel-diesel fuel blend in CI engine", Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, doi.org/10.1080/15567036.2019.1679290, Published online: 19 Oct 2019.
14. & G. Mahendran K. Kalaimurugan, S. Karthikeyan, M. Periyasamy, & T. Dharmaprabhakaran, "Performance Analysis of CuO<sub>2</sub> Nanoparticles Addition with Neochloris Oleoabundans Algae Biodiesel on CI Engine, Journal Scientific & Industrial Research, Vol. 78, pp. 802-805, November 2019