

Dr.S.Jegadeesan

Associate Professor,
M.Kumarasamy College of Engineering
Thalavapalayam
Karur-639113.

Contact No. 9786800357
Email: jegadeesans@rediffmail.com,

Number of Journals: 25	Number of Patent: 03
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Area of Specialization: Wireless Communication, VLSI, Optical Communication and Network Security

RESEARCH PUBLICATIONS IN INTERNATIONAL JOURNALS

1. Jegadeesan, S., Azees, M., Ramesh Babu, N., Subramaniam, U. and Almakhlles, J., 2020. EPAW: Efficient Privacy Preserving Anonymous Mutual Authentication Scheme for Wireless Body Area Networks (WBANs). *IEEE Access*, 8, pp.48576-48586. Indexing: SCI Expanded, Scopus, Impact Factor: 3.745.
2. Jegadeesan, S., Azees, M., Kumar, P., Manogaran, G., Chilamkurti, N., Varatharajan, R. and Hsu, C., 2019. An efficient anonymous mutual authentication technique for providing secure communication in mobile cloud computing for smart city applications. *Sustainable Cities and Society*, 49, p.101522. Indexing: SCI Expanded, Scopus, Impact Factor: 5.268.
3. Dhamodaran M, Jegadeesan S & Praveen Kumar R, 2019, 'Computation of the fluid flow and the temperature field by finite element modeling', Cluster Computing, Springer US, vol.22, pp. 14505-14511, Online ISSN No.: 1573-7543, Print ISSN No.: 1386-7857. <https://doi.org/10.1007/s10586-018-2330-9> (Indexing: SCI Expanded, Scopus; Impact Factor: 2.040).

4. Jegadeesan S, Dhamodaran M, Azees M & Sri Shanmugapriya S, 2019, 'Computationally Efficient Mutual Authentication Protocol for Remote Infant Incubator Monitoring System', Healthcare Technology Letters, IET, Online ISSN 2053-3713 Indexing: Scopus. Impact Factor: 1.79
5. Dhamodaran M, Jegadeesan S, & Murugan A, 2019, Design of a multilayer on-chip inductor by computational electromagnetic modelling, *Journal of ELECTRICAL ENGINEERING*, VOL 70, NO5, pp. 379–385, Indexing: SCI Expanded, Scopus, Impact Factor: 0.636
6. Jegadeesan S, Dhamodaran M, Azees M & Murugan A, 2019, Design of a Polarization Splitter Based on a Dual-core Hexagonal-shaped Photonic Crystal Fiber, *Current Optics and Photonics*, Vol. 3, No. 4, pp. 304-310, Indexing: SCI Expanded, Scopus, Impact Factor: 0.573
7. Jegadeesan S, Dhamodaran M, & Sri Shanmugapriya S, 2019, 'Numerical analysis of dual-core photonic crystal fiber based temperature and pressure sensor for oceanic applications' *Optica Applicata*, vol.49, no. 2, pp. 249-264 [SCI], Impact Factor: 1.04
8. Dhamodaran M, Jegadeesan S & Praveen Kumar R, 2018, 'Analysis and Calculation of the fluid flow and the temperature field by finite element modeling', *Measurement Science Review*, Walter de Gruyter GmbH, Berlin, Germany, vol. 18, no. 2, pp. 59-64, Online ISSN No.: 1335 - 8871 (Indexing: SCI Expanded, Scopus; Impact Factor: 1.88, Annexure – 1 Journal list)
9. Dhamodaran M, Jegadeesan S & Praveen Kumar R, 2018, 'On-chip spiral inductors and on-chip spiral transistors for accurate numerical modeling', *Journal of Magnetism*, vol.23, no. 1, pp. 50-54, Online ISSN No.: 2233-6656. Print ISSN No.: 1226-1750 (Indexing: SCI Expanded, the Web of Science, Scopus; Impact Factor: 0.54, Annexure – 1 Journal list).

10. Jegadeesan S, Dhamodaran M, Azees M & Sri Shanmugapriya S, 2018, 'Design of High Resolution Magnetic Probe for Magnetic Field Measurement on AES Cryptographic FPGA to Analyze the Side Channel Attack', Journal of Magnetism, pp. 207-213, Online ISSN No.: 2233-6656. Print ISSN No.: 1226-1750 (Indexing: SCI Expanded, the Web of Science, Scopus; Impact Factor: 0.54, Annexure – 1 Journal list).
11. Jegadeesan S, Dhamodaran M, & Praveen Kumar R, 2018, 'An Efficient Technique To Improve The Reliability And Security Of Relay Networks In Physical Layer', Journal of Web Engineering, pp. 2341-2359, Online ISSN No.: 1544-5976. Print ISSN No.: 1540-9589 (Indexing: SCI, Scopus; Impact Factor: 0.59).
12. Dhamodaran M, Jegadeesan S, & Murugan A, 2020, Intelligent Detection of High Grade Brain Tumor With Moment Invariant Features And Adaptive Clustering, International Journal of Scientific & Technology Research, vol. 9, no. 3, pp.4049 -4054, ISSN 2277-8616 (Scopus)
13. Dhamodaran M, Jegadeesan S, Ramasubramanian B & Murugan A, 2019, 'Modeling and Simulation of the flyback converter using SPICE Model', International Journal of Recent Technology and Engineering, Indexing: Scopus
14. Jegadeesan S, Dhamodaran M, & Praveen Kumar R, 2018, 'Dual-Core Photonic Crystal Fiber Based Temperature and Pressure Sensor for Oceanic Applications' Sensor Letters, Vol.16, pp.598–605, Online ISSN No.: 1546-198X, Print ISSN No.: 1546-1971. (Indexing: Scopus; Impact Factor: 0.1).
15. Jegadeesan S, Dhamodaran M, & Praveen Kumar R, 2018, 'Design and Analysis of Optical Biosensor for Detecting the Heavy Metals (Cadmium) in the

Milk' Sensor Letters, Vol.16, pp.763–767, Online ISSN No.: 1546-198X, Print ISSN No.: 1546-1971. (Indexing: Scopus; Impact Factor: 0.1).

16. Dhamodaran M, Jegadeesan, 2019, Numerical Analysis of Rotary Joint Channels for Waveguide', International Journal of Tomography and Simulation, vol. 32, no.3, pp. 37-45, Online ISSN No.: 0972-9976 (Indexing: UGC Journals Google Scholar) Impact Factor: 0.31
17. Jegadeesan S, Dhamodaran M, & Sri Shanmugapriya S, 2019, Exponential functions based skull stripping method for T2 magnetic resonance images, International Journal of Tomography and Simulation, vol. 32, no. 3, pp.13-22, Online ISSN No.: 0972-9976 (Indexing: UGC Journals Google Scholar) Impact Factor: 0.31
18. Jegadeesan S, Dhamodaran M, Azees M & Sri Shanmugapriya S, 2019, Interconnecting Hospitals for Managing Patients Medical Records Using Internet of Things (IoT), International Journal of Tomography and Simulation, vol. 32, no. 1, pp. 100-108, Online ISSN No.: 0972-9976 (Indexing: UGC Journals, Google Scholar) Impact Factor: 0.31
19. Dhamodaran M, Jegadeesan S & Praveen Kumar R, 2019, 'A Signal Processing Approach to Reduce Motion Blur in Lcds by Deconvolution', International Journal of Tomography and Simulation, vol. 32, no. 1, pp. 109-115, Online ISSN No.: 0972-9976 (Indexing: UGC Journals, Google Scholar) Impact Factor: 0.31.
20. Jegadeesan S, Dhamodaran M, & Praveen Kumar R, 2018, 'Analysis of TE and TM modes in Circular Coaxial Waveguides by Numerical method', International Journal of Tomography and Simulation, vol. 31, no. 4, pp. 45-53, Online ISSN No.: 0972-9976 (Indexing: UGC Journals, Google Scholar) Impact Factor: 0.31.

21. S Jegadeesan, M Dhamodaran, S Sri Shanmugapriya, 'Wireless Sensor Network based Flood and Water Quality Monitoring System using IoT', Taga journal of graphic technology, 2018. Indexing: Google Scholar.
22. S Jegadeesan, M Dhamodaran, R Praveen Kumar, Sri Shanmugapriya, M Azees, 'ECC based algorithms for secure water quality monitoring system using wireless sensor networks', Taga journal of graphic technology, 2018. Indexing: Google Scholar.
23. S Jegadeesan, GKD Prasanna Venkatesan, 'Distant biometry in cattle farm using wireless sensor networks', 2016 International Conference on Communication and Electronics Systems (ICCES), pp. 1-5, IEEE. Indexing: Scopus, Google Scholar.
24. G Srinivasan, N Vishnu Kumar, Y Shafeer Ahamed, S Jagadeesan, 'Providing smart agricultural solution to farmers for better yielding using IoT', Int. J. Adv. Sci. Eng. Res, Vol.02, No.01, p.2017. Indexing: Google Scholar.
25. S Jegadeesan, GKD Prasanna Venkatesan, 'Smart cow health monitoring, farm environmental monitoring and control system using wireless sensor networks', Int J Adv Engg Tech/Vol. VII/Issue I/Jan.-March, p.339. Indexing: Google Scholar.