

RESEARCH PUBLICATIONS IN INTERNATIONAL JOURNALS

1. **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
2. **Dhamodaran M**, Jegadeesan S, 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
3. **Dhamodaran M**, Jegadeesan S & 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
4. **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)
5. **Dhamodaran M**, Jegadeesan S & Praveen Kumar R, 2018, ‘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).
6. **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).
7. **Dhamodaran M**, Jegadeesan S, 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).
8. **Dhamodaran M**, Jegadeesan S & 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).
9. **Dhamodaran, M** & Dhanasekaran, R, 2016, ‘Evaluation of the capacitance and charge distribution of metallic objects by electrostatic analysis’, *Journal of Scientific & Industrial Research*, vol. 75, pp. 552-556, Online ISSN No.: 0975-1084 Print ISSN No.: 0022-4456. (Indexing: **SCI Expanded**, Scopus; Impact Factor: 0.5, Annexure – 1 Journal list).

10. **M.Dhamodaran**, R.Prema, 2020, Design and Analysis of Low Power 4T Sense Amplifier with Capacitive Offset Correction, 'International Journal of Innovative Technology and Exploring Engineering', (**Scopus**)
11. **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**)
12. **Dhamodaran M**, Jegadeesan S, 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
13. **Dhamodaran M**, Tharani, 2019, 'Segmentation and Vein Extraction in Sclera for Human Identification', Indian Journal of Public Health Research & Development, vol. 10, no. 2, pp. 1047-1052, p-ISSN: 0976-0245. e-ISSN: 0976-5506 (**Scopus**)
14. **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**
15. **Dhamodaran M**, Jegadeesan S & 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).
16. **Dhamodaran M**, Jegadeesan S & 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).
17. **Dhamodaran, M** & Dhanasekaran, R, 2015, 'Evaluation of capacitance of conducting bodies for electromagnetic modeling', ARPN Journal of Engineering and Applied Sciences, vol. 10, no. 6, pp. 2743-2748, Online ISSN No.: 1819-6608. (Indexing: **Scopus**; Impact Factor: 0.21).
18. **Dhamodaran, M** & Dhanasekaran, R, 2015, 'Electromagnetic analysis of different metallic plates', International Journal of Applied Engineering Research, vol. 10, no.55, pp. 712-716, Online ISSN No.: 0973-9769 Print ISSN No.: 0973-4562. (Indexing: **Scopus**; Impact Factor: 0.1).
19. **Dhamodaran, M** & Saranya, S, 2015, 'VLSI Design of soft decision LDPC decoder for low power application', International Journal of Applied Engineering Research, vol. 10, no.55, pp. 322-326, Online ISSN No.: 0973-9769 Print ISSN No.: 0973-4562. (Indexing: **Scopus**; Impact Factor: 0.1).
20. **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

21. **Dhamodaran M**, Jegadeesan S & 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
22. **Dhamodaran M**, Jegadeesan S, 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
23. **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
24. **Dhamodaran M**, Jegadeesan S & 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