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List of Publications

S.No.	PUBLICATION DETAILS	YEAR	INDEXING
1.	S.Palanivel Rajan , “Recognition of Cardiovascular Diseases through Retinal Images Using Optical Cup to Optic Disc Ratio”, <i>Pattern Recognition and Image Analysis Journal (SPRINGER)</i> , E-ISSN: 1555-6212, P-ISSN: 1054-6618, Vol.: 30, Issue: 2, pp. 256–263, (IF–0.50)	2020	SCOPUS & SCIE
2.	J.Suriya Prakash, R.Suguna, S.Palanivel Rajan , “Analyzing the Behavior of Multiple Dimensionality Reduction Algorithms to Obtain Better Accuracy using Benchmark KDD CUP dataset”, <i>Sylwan Journal</i> , ISSN No.: 0039-7660, Vol. : 164, Issue : 6, pp. 222–242, (IF –0.623)	2020	SCOPUS & SCIE
3.	S.Palanivel Rajan , P.Divakar, A.Mareeswaran, R.Nirmalchandran, “Diagnosis of Dental Health Care Monitoring System using Deep Learning and Image Processing”, <i>International Journal of Grid and Distributed Computing</i> , ISSN No.: 2005-4262, Vol.: 13, Issue : 1, pp. 86-96, (IF–0.31)	2020	WoS-ESCI
4.	S.Palanivel Rajan , V.S. Sivaanika, “Extraction of Lung in Region of Interest Using Image Data Interpretation”, <i>International Journal of Advanced Science and Technology</i> , P-ISSN: 2005-4238, E-ISSN: 2207-6360, Vol.: 29, Issue: 4s, pp. 2191-2201, (IF–0.130)	2020	SCOPUS
5.	S.Palanivel Rajan , C.Vivek, “Performance Analysis of Human Brain Stroke Detection System Using Ultra Wide Band Pentagon Antenna”, <i>Sylwan Journal</i> , ISSN: 0039-7660, Vol.: 164, Issue: 1, pp. 333–339, (IF–0.623)	2020	SCOPUS & SCIE
6.	S.Palanivel Rajan , C.Vivek, “Analysis and Design of Microstrip Patch Antenna for Radar Communication”, <i>Journal of Electrical Engineering & Technology (SPRINGER)</i> , E-ISSN: 2093-7423, P-ISSN: 1975-0102, Vol.: 14, Issue: 2, pp.923–929, DOI: 10.1007/s42835-018-00072-y, (IF–0.597)	2019	SCOPUS & SCIE
7.	S.Palanivel Rajan , M.Paranthaman, “Characterization of Compact and Efficient Patch Antenna with single inset feeding technique for Wireless Applications”, <i>Journal of Applied Research and Technology</i> , ISSN:1665–6423, Vol. 17, Issue 4, pp. 297-301, (IF–0.447)	2019	SCOPUS

8.	S.Palanivel Rajan, M.Paranthaman , “Novel Method for the Segregation of Heart Sounds from Lung Sounds to Extrapolate the Breathing Syndrome”, <i>Bioscience Biotechnology Research Communications</i> , ISSN: 0974-6455, Vol. 12, Issue : 4, pp. 245-253, DOI: 10.21786/bbrc/12.4/1, (IF–1.41)	2019	WoS-ESCI
9.	M.Paranthaman, S.Palanivel Rajan , “Design of Frequency Reconfigurable Slot Antenna for Wireless Applications”, <i>International Journal of Future Generation Communication and Networking</i> , ISSN:2233-7857, Vol.12, Issue: 5, pp.102-106, (IF–0.4)	2019	WoS-ESCI
10.	S.Palanivel Rajan , “Design of Microstrip Patch Antenna for Wireless Application using High Performance FR4 Substrate”, <i>Advances and Applications in Mathematical Sciences</i> , ISSN: 0974-6803, Vol.:19, Issue: 1, pp. 53-61, (IF–0.597)	2019	WoS-ESCI
11.	S.Palanivel Rajan , L.Kavitha, “Automated retinal imaging system for detecting cardiac abnormalities using cup to disc ratio”, <i>Indian Journal of Public Health Research & Development</i> , P-ISSN: 0976-0245, E-ISSN: 0976-5506, Vol.: 10, Issue: 2, pp.1019-1024, DOI : 10.5958/0976-5506.2019.00430.3, (IF–0.047)	2019	SCOPUS
12.	M.Paranthaman, S.Palanivel Rajan , “Design of H Shaped Patch Antenna for Biomedical Devices”, <i>International Journal of Recent Technology and Engineering</i> , ISSN : 2277-3878, Vol.: 7, Issue:6S4, pp. 540-542, Retrieval No.: F11120476S4/19@BEIESP	2019	SCOPUS
13.	T.Abirami, S.Palanivel Rajan , “Detection of poly cystic ovarian syndrome (PCOS) using follicle recognition techniques”, <i>Bioscience Biotechnology Research Communications</i> , ISSN: 0974-6455, Vol. 12, Issue: 01, pp. 156-161, DOI: 10.21786/bbrc/12.1/19, (IF–1.41)	2019	WoS-ESCI
14.	M.Paranthaman, S.Palanivel Rajan , “Design of Implantable Antenna for Biomedical Applications”, <i>International Journal of Advanced Science and Technology</i> , P-ISSN: 2005-4238, E-ISSN: 2207-6360, Vol.: 28, Issue: 17, pp. 85-90, (IF–0.130).	2019	SCOPUS
15.	T.Abirami, S.Palanivel Rajan , “Cataloguing and Diagnosis of WBC’S in Microscopic Blood SMEAR”, <i>International Journal of Advanced Science and Technology</i> , P-ISSN: 2005-4238, E-ISSN: 2207-6360, Vol. 28, Issue: 17, pp. 69-76, (IF–0.130).	2019	SCOPUS
16.	S.Palanivel Rajan , “Enrichment of ECG Quality using Independent Component Analysis for Dynamic Scenario by Eliminating EMG Artifacts”, <i>Advances and Applications in Mathematical Sciences</i> , ISSN : 0974-6803, Vol.: 18, Issue: 2, pp. 219-237, (IF–0.597)	2018	WoS-ESCI
17.	N.V.Andrews, S.Palanivel Rajan , “Energy Reaping From Radio Frequency Signal in Magnetic Resonance Image Scanning”, <i>Bioscience Biotechnology Research Communications</i> , ISSN: 0974-6455, Vol. 11, Issue: 02, pp. 98-104,	2018	WoS-ESCI

	DOI:10.21786/bbrc/11.2/15 , (IF–1.41)		
18.	M.Paranthaman, S.Palanivel Rajan , “Design of Triple C shaped Slot Antenna for Implantable Gadgets”, <i>Bioscience Biotechnology Research Communications</i> , ISSN: 0974-6455, Vol. 11, Issue : 02, pp. 40-44, DOI: 10.21786/bbrc/11.2/6, (IF–1.41)	2018	WoS-ESCI
19.	S.Palanivel Rajan , S.Suganya, “Design of Loop Antenna for the Human Brain Signal Analysis”, <i>Indian Journal of Science and Technology</i> , E-ISSN: 0974-5645, P-ISSN: 0974-6846, Vol.: 11, Issue: 10, pp. 1-6, DOI: 10.17485/ijst/2018/v11i10/120829	2018	WoS-ZR
20.	M.Paranthaman, S.Palanivel Rajan , “Design of E and U Shaped Slot for ISM Band Application”, <i>Indian Journal of Science and Technology</i> , E-ISSN: 0974-5645, P-ISSN : 0974-6846, Vol.: 11, Issue : 18, pp. 1-3, DOI: 10.17485/ijst/2018/v11i18/123042	2018	WoS-ZR
21.	S.Palanivel Rajan , V.Kavitha, “Diagnosis of Cardiovascular Diseases using Retinal Images through Vessel Segmentation Graph”, <i>Current Medical Imaging Reviews (Bentham Science)</i> , E-ISSN: 1875-6603, P-ISSN: 1573-4056, Vol.: 13, Issue: 4, pp. 454-459, DOI : 10.2174/1573405613666170111153207, (IF–0.613)	2017	SCOPUS & SCIE
22.	S.Palanivel Rajan , C.Vivek, M.Paranthaman, “Feasibility Analysis of Portable Electroencephalography Based Abnormal Fatigue Detection and Tele-Surveillance System”, <i>International Journal of Computer Science and Information Security</i> , ISSN: 1947-5500, Vol.: 14, Issue : 8, pp. 711-722, (IF–0.553).	2016	WoS
23.	C.Vivek, S.Palanivel Rajan , “Z-TCAM : An Efficient Memory Architecture Based TCAM”, <i>Asian Journal of Information Technology</i> , ISSN: 1682-3915, Vol.: 15, Issue : 3, pp. 448-454, DOI: 10.3923/ajit.2016.448.454	2016	SCOPUS
24.	S.Palanivel Rajan , “Review and Investigations on Future Research Directions of Mobile Based Telecare System for Cardiac Surveillance”, <i>Journal of Applied Research and Technology (ELSEVIER)</i> , ISSN: 1665–6423, Vol. 13, Issue 4, pp. 454-460, DOI : https://doi.org/10.1016/j.jart.2015.09.002 , (IF –0.447)	2015	SCOPUS & SCIE
25.	S.Palanivel Rajan , K.Sheik Davood, “Performance Evaluation on Automatic Follicles Detection in the Ovary”, <i>International Journal of Applied Engineering Research</i> , ISSN: 0973-4562, Vol. 10, Issue 55, pp. 1-5, (IF– 0.127)	2015	SCOPUS
26.	S.Palanivel Rajan , T.Dinesh, “Statistical Investigation of EEG Based Abnormal Fatigue Detection Using LabVIEW”, <i>International Journal of Applied Engineering Research</i> , ISSN: 0973-4562, Vol. 10, Issue 43, pp.30426-30431, (IF– 0.127)	2015	SCOPUS

27.	S.Palanivel Rajan, T.Dinesh , “Systematic Review on Wearable Driver Vigilance System with Future Research Directions”, <i>International Journal of Applied Engineering Research</i> , ISSN: 0973-4562, Vol. 10, Issue: 1, pp. 627-632, (IF– 0.127)	2015	SCOPUS
28.	S.Vijayprasath, S.Palanivel Rajan , “Performance Investigation of an Implicit Instrumentation Tool for Deadened Patients Using Common Eye Developments as a Paradigm”, <i>International Journal of Applied Engineering Research</i> , ISSN : 0973-4562, Vol. 10, Issue No.1, pp. 925-929, (IF– 0.127)	2015	SCOPUS
29.	S.Palanivel Rajan , “A Significant and Vital Glance on “Stress and Fitness Monitoring Embedded on a Modern Telematics Platform”, <i>Telemedicine and e-Health Journal</i> , P-ISSN: 1530-5627, E-ISSN: 1556-3669, Vol.: 20, Issue : 8, pages: 757-758, DOI : https://doi.org/10.1089/tmj.2013.0285 , (IF– 2.165)	2014	SCI, SCOPUS, MEDLINE, PubMed
30.	S.Vijayprasath, R.Sukanesh, S.Palanivel Rajan , “Assessment of relationship between heart rate variability and drowsiness of post operative patients in driving conditions”, <i>Jokull Journal</i> , ISSN : 0449-0576, Vol. 63, Issue 11, pp. 107–121, (IF– 1.031)	2013	SCOPUS & SCIE
31.	S.Palanivel Rajan , R.Sukanesh, “Viable Investigations and Real Time Recitation of Enhanced ECG Based Cardiac Tele-Monitoring System for Home-Care Applications: A Systematic Evaluation”, <i>Telemedicine and e-Health Journal</i> , P-ISSN: 1530-5627, E-ISSN: 1556-3669, Vol.: 19, Issue: 4, pp. 278-286, DOI : https://doi.org/10.1089/tmj.2012.0180 , (IF–2.165)	2013	SCI, SCOPUS, MEDLINE, PubMed
32.	S.Palanivel Rajan , R.Sukanesh, “Experimental Studies on Intelligent, Wearable and Automated Wireless Mobile Tele-Alert System for Continuous Cardiac Surveillance”, <i>Journal of Applied Research and Technology</i> , ISSN: 1665–6423, Vol. 11, Issue: 1, pp.133-143, DOI : https://doi.org/10.1016/S1665-6423(13)71522-0 , (IF–0.447)	2013	SCOPUS & SCIE
33.	S.Palanivel Rajan , R.Sukanesh, K.Manimala, “Performance Analysis of Noise Limited QRS Detection for Various Cardiac Abnormal Interpretations”, <i>European Journal of Scientific Research</i> , ISSN: 1450-216X/1450-202X, Vol. 97, Issue 2, pp. 293– 303, (IF-0.736)	2013	SCOPUS
34.	S.Palanivel Rajan , C.Sri Nivethini, K.Manimala, “Extraction of Noise Limited ECG Using ICA Technique for Improving Cardiac Monitoring System”, <i>International Journal of Engineering Research and Technology</i> , ISSN: 2278-0181, Vol. 2, Issue2, pp.1–7	2013	SCOPUS
35.	S.Palanivel Rajan , R.Sukanesh, S.Vijayprasath, “Design and Development of Mobile Based Smart Tele-Health Care System for Remote Patients”, <i>European Journal of Scientific Research</i> , ISSN : 1450-216X/1450-202X, Vol. 70, Issue 1, pp.	2012	SCOPUS

	148-158, (IF-0.736)		
36.	S.Palanivel Rajan , R.Sukanesh, S.Vijayprasath, “Analysis and Effective Implementation of Mobile Based Tele-Alert System for Enhancing Remote Health-Care Scenario”, <i>HealthMED Journal</i> , ISSN : 1840-2291, Vol. 6, Issue. 7, pp.2370–2377, (IF-1.031)	2012	SCOPUS
37.	S.Palanivel Rajan , R.Sukanesh, T.Kamalesswareen, R.Prasaanth, P.Thangaperumal, “Performance Analysis of Mobile Phone Radiation Minimization through Characteristic Impedance Measurement”, <i>International Journal of Computer Science Issues</i> , ISSN: 1694-0814, Vol. 9, Issue 2, No. 3, pp. 540-544, (IF– 0.242)	2012	SCOPUS
38.	S.Palanivel Rajan , R.Sukanesh, A.Ramprasad, M.Jeyakumar, G.Shanmuga Raja, “A Comprehensive Analysis of Wireless Mobile Based Tele-monitoring System for Myocardial Malfunctioning”, <i>International Journal of Computer Science Issues</i> , ISSN: 1694-0814, Vol. 9, Issue 2, No. 3, pp. 578-582, (IF– 0.242)	2012	SCOPUS
39.	R.Sukanesh, S.Palanivel Rajan , S.Vijayprasath, S.Janardhana prabhu, P.Subathra “GSM based ECG Tele-Alert System” IEEE Digital Library Xplore, ISBN No. 978-1-4244-6488-3, INSPEC Accession Number: 11207686, Issue on 12–13, pp.1-5, DOI: 10.1109/ICINNOVCT.2010.5440084, March 2010.	2010	SCOPUS
40.	R.Sukanesh, S.Palanivel Rajan , S.Vijayprasath, N.S.Aishwarya, P.Gracy Angela “Intelligent Wireless Mobile Patient Monitoring System” IEEE Digital Library Xplore, ISBN No. 978-1-4244-7769-2, INSPEC Accession Number: 11745297, IEEE Catalog Number: CFP1044K-ART, pp. 540-543, DOI: 10.1109/ICCCCT.2010.5670439	2010	SCOPUS
41.	K.Mahalakshmi, S.Palanivel Rajan , “Joint source channel coding strategies in Rayleigh channels for wireless systems”, IEEE Digital Library Xplore, ISBN: 978-147993834-6, DOI: 10.1109/ICICES.2014.7034125, Category number : CFP1474U-ART	2015	SCOPUS
42.	K.Manjula, S.Palanivel Rajan , “Visual and tag-based social image search based on hypergraph ranking method”, IEEE Digital Library Xplore, ISBN : 978-1-4799-3835-3, INSPEC Accession Number : 14916051, DOI : 10.1109/ICICES.2014.7034079	2015	SCOPUS

43.	R.Sukanesh, P.Gautham, P.T. Arunmozhivarman, S.Palanivel rajan , S.Vijayprasath, "Cellular Phone based Biomedical System for Health Care" IEEE Digital Library Xplore, ISBN No. 978-1-4244-7769-2, INSPEC Accession Number: 11745436, IEEE Catalog Number: CFP1044K-ART, pp.550-553, DOI: 10.1109/ICCCCT.2010.5670779	2010	SCOPUS
44.	S.Palanivel Rajan , R.Sukanesh, S.Vijayprasath, "Performance Evaluation of Mobile Phone Radiation Minimization through Characteristic Impedance Measurement for Health-Care Applications" IEEE Digital Library Xplore, ISBN : 978-1-4673-2047-4, IEEE Catalog Number: CFP1221T-CDR, DOI: 10.1109/ICACCCT.2012.6320722	2012	SCOPUS
45.	S.Vijayprasath, R.Sukanesh, S.Palanivel Rajan , "Experimental Explorations on EOG Signal Processing for Real Time Applications in LabVIEW" IEEE Xplore, ISBN : 978-1-4673-2047-4, IEEE Catalog Number: CFP1221T-CDR, DOI: 10.1109/ICACCCT.2012.6320743	2012	SCOPUS
46.	R.Sukanesh, S.Palanivel Rajan , S.Vijayprasath, S.Janardhanaprabhu, P.Subathra, "GSM Based ECG Tele-Alert System", International Journal of Computer Science and Application , ISSN: 0974-0767, Issue 1, pp. 112–116, DOI: 10.1109/ICINNOVCT.2010.5440084	2010	SCOPUS