

List of Publications

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S.NO	TITLE	YEAR
1.	“Dynamic cognitive workload assessment for fighter pilots in simulated fighter aircraft environment using EEG”, SJ Mohanavelu K, Poonguzhali S, Adalarasu K, Ravi D, Vijayakumar Chinnadurai , Biomedical Signal Processing and Control 61	2020
2.	“Assessment of Techniques for Teaching School Children with Autism”, K Adalarasu, M Jagannath, O James IRBM 41 (2), 88-93	2020
3.	“Identifying Pre-ictal Period of Seizure and Better Brain Lobes for Seizure Detection using EEG Biomarkers”, K Adalarasu, P Shrisowmya, M Jagannath Journal of Physics: Conference Series 1451 (1), 012010	2020
4.	“Examination of Cognitive Workload using Different Modalities”, P Shrisowmya, K Adalarasu, M Jagannath, Research Journal of Pharmacy and Technology 12 (10), 4647-4650	2019
5.	“Recent Trends in Impedance Cardiography-A Review”, VG Rajendran, S Jayalalitha, K Adalarasu , Research Journal of Pharmacy and Technology 12 (2), 907-912	2019
6.	“Analysis of Cycling-Related Musculoskeletal Disorders among School Girls”, R Jagannath, M., Adalarasu, K., Nathiya, N. and Ramesh, Biomedicine 38 (3), 371-377	2018
7.	“Music-induced brain functional connectivity using EEG sensors: a study on Indian music”, B Geethanjali, K Adalarasu, M Jagannath, NPG Seshadri, IEEE Sensors Journal 19 (4), 1499-1507	2018
8.	“Music induced emotion using wavelet packet decomposition—An EEG study”, NPGS GeethanjaliBalasubramanian, AdalarasuKanagasabai, JagannathMohan, Biomedical Signal Processing and Control 42, 115-128	2018
9.	” Biosignal processing approaches for detecting mental fatigue”, K Mohanavelu, S Poonguzhali, R Banuvathy, K Adalarasu, M Jagannath Indian Journal of Public Health Research & Development 9 (10), 236-241	2018

S.NO	TITLE	YEAR
10.	" Automatic Detection of Tumor and Bleed in Magnetic Resonance Brain Images", VE Jayanthi, J Mohan, K Adalarasu, Handbook of Research on Information Security in Biomedical Signal Processing	2018
11.	"Three-Dimensional Finite Element Analysis of Surface Mesh Model of Human Tibia Bone" , MJ K. Pradeep, V. E. Jayanthi, K. Hemalatha, K. Adalarasu Research Journal of Pharmacy and Technology 11 (7), 2752-2756	2018
12.	"Quantitative analysis of heart rate variability exposures in motorbike riders", S Ramasamy, K Adalarasu, NP Trupti, Biomedical Research	2018
13.	" Denoising of EEG, ECG and PPG signals using wavelet transform", K Thamarai, P., Adalarasu, Journal of Pharmaceutical Sciences and Research 10 (1), 156-161	2018
14.	"Mathematical models for predicting cognitive workload", N Mohanavelu, K., Vishnupriya, R., Poonguzhali, S., Adalarasu, K., Nathiya, International Journal of Pure and Applied Mathematics 118 (18 Special Issue ...	2018
15.	"Railway signalling system using Zigbee wireless technology", K Sravani, C., Jagannath, M., Adalarasu, International Journal of Pure and Applied Mathematics 118	2018
16.	"A Hybrid Approach Based on PCA and LBP for Facial Expression Analysis" K Sasikumar, PA Ashija, M Jagannath, K Adalarasu, N Nathiya	2018
17.	" Music Induced Emotion and Music Processing in the Brain– A Review", MJ B Geethanjali , Kanagasabai Adalarasu, Journal of Clinical and Diagnostic Research 12 (1), VE01-VE03	2018
18.	"An observational study on occupational stress among physiotherapists", N Nathiya, K Sasikumar, M Jagannath, M Thangaraj, K Adalarasu., Biomedical and Pharmacology Journal 10 (2), 889-894	2017
19.	"Vehicle license plate detection and recognition using non-blind image de-blurring algorithm", AR Prakash, M Jagannath, K Adalarasu, GM Babu, 2017 International Conference on Nextgen Electronic Technologies	2017
20.	"Survey on signal processing techniques for diagnosing cardiovascular diseases", R Saktheeswari, K Adalarasu, 2017 International Conference on Innovations in Information, Embedded and..	2017
21.	"Brain computer interface for vehicle navigation",GM Babu, SV Balaji, K	2017

S.NO	TITLE	YEAR
	Adalarasu, V Nagasai, A Siva, B Geethanjali Biomedical Research	
22.	“Evaluation of driving-related musculoskeletal disorders in motorbike riders using Quick Exposure Check (QEC)”. S Ramasamy, K Adalarasu, NP Trupti Biomedical Research	2017
23.	“Emotion analysis using SAM (self-assessment manikin) scale”, B Geethanjali, K Adalarasu, A Hemapraba, SP Kumar, R Rajasekeran, Biomedical Research	2017
24.	“Mental Task Performance for Autistic Children Using Assistive Teaching Learning Process”, SK Prasanna valan P, Adalarasu K, International Journal of Pharmacy & Technology (IJPT) 8 (4), 21815-21820	2016
25.	“Enhancement of task performance aided by music”, MJRR B. Geethanjali, K., Adalarasu, CURRENT SCIENCE 111 (11), 1794 - 1801	2016
26.	” Emotional State Assessment: Valence and Arousal Evaluation via EEG Analysis”, V M. Sundar Raj, K. Adalarasu, M. Jagannath, International Journal of Pharmacy & Technology 8 (3), 15712-15716	2016
27.	“Assessment of Cognitive Status from EEG Data Using Independent Component Analysis”, RBS M. Sundar Raj, K. Adalarasu, M. Jagannath, International Journal of Pharma and Bio Sciences 7 (3), 1149-1153	2016
28.	“Influence of pleasant and unpleasant music on cardiovascular measures and task performance,” B Geethanjali, K Adalarasu, M Jagannath, R Rajasekaran International Journal of Biomedical Engineering and Technology 21 (2), 128-144	2016
29.	“FPGA Implementation of Human Behavior Analysis Using Facial Image”, KA A.J Ezhil, IOSR Journal of VLSI and Signal Processing (IOSR-JVSP) 6 (1), 36-41	2016
30.	” Breakdown: A review of practical factors affecting the acquisition of bio-signals”, SK Srinivas, M Jagannath, K Adalarasu, 2015 International Conference on Microwave, Optical and Communication ...	2015
31.	“Concepts and Approaches on Human Computer Interaction - A Review”, MSR P. Dhanalakshmi, K. Adalarasu, T. AravindKrishna, M. Jagannath, Journal Of Pharmacy&Technology 7 (2), 3371-3379	2015
32.	“Observing Human Behavior from Facial Expression Analysis”, MJTAK A.J. Ezhil, K. Adalarasu ,Biomedicine 35 (2), 125 -132	2015

S.NO	TITLE	YEAR
33.	“Design of Temperature Data-logger for Biomass Cook-stoves”, SKS Dr. M. Jagannath, Dr. K. Adalarasu, International Journal of Applied Engineering Research (IJAER) 10 (10), 9815-9819	2015