

List of Publications - Dr. K. Adalarasu

1. **K. Adalarasu**, M.Jagannath, O.James, "Assessment of Techniques for Teaching School Children with Autism", IRBM, 2019, In Press, IF: 0.934 (<https://doi.org/10.1016/j.irbm.2019.10.003>).
2. Geethanjali, B., **Adalarasu, K.**, Jagannath, M., GuhanSeshadri, N.P, "Music-induced brain functional connectivity using EEG sensors: A study on Indian music", IEEE Sensors Journal 19(4), 2019, pp. 1499-1507. IF: 3.076
3. P. Shrisowmya, **K. Adalarasu**, M. Jagannath, "Examination of Cognitive Workload using Different Modalities", Research Journal of Pharmacy and Technology, 12(10), 4647-4650, 2019.
4. V. G. Rajendran, S. Jayalalitha, K. Adalarasu, "Recent Trends in Impedance Cardiography - A Review", Research Journal of Pharmacy and Technology, 12(2), 907-912, 2019
5. Thamarai, P. & Adalarasu, K' "De-noising of EEG, ECG and PPG signals and analyzing based on IoT device", International Journal of Innovative Technology and Exploring Engineering. 8. 647-651. 2019.
6. Jagannath, M., **Adalarasu, K.**, Nathiya, N. and Ramesh, R., 'Analysis of Cycling-Related Musculoskeletal Disorders among School Girls', Biomedicine, Vol. 38, No. 3, 2018, pp. 371-377.
7. Mohanavelu K, Poonguzhali S, Banuvathy R, **Adalarasu K**, Jagannath M, "Biosignal Processing Approaches for Detecting Mental Fatigue", Indian Journal of Public Health Research & Development, Volume: 9, Issue: 10, 2018, Pages. 236 – 241.
8. Thamarai, P., **Adalarasu, K**, "An effective method to denoise EEG, ECG and PPG signals based on meyer wavelet transform", International Journal of Engineering and Technology(UAE), Volume 7, Issue 3.34 Special Issue 34, 2018, Pages 678-683.
9. Bavya N, Arunkumar T, **Adalarasu K**, "A Comprehensive Survey on IoT Technologies in Health Care System", Research Journal of Pharmacy and Technology, VolumeNo.11, Issue No., 2018, Pages. 3157-3162
10. K. Pradeep, V. E. Jayanthi, K. Hemalatha, **K. Adalarasu**, M. Jagannath, "Three-Dimensional Finite Element Analysis of Surface Mesh Model of Human Tibia Bone", Research Journal of Pharmacy and Technology, Volume No.11, Issue No., 2018, Pages. 2752-2756
11. Ramasamy S, **Adalarasu K**, Trupti N Patel," Quantitative analysis of heart rate variability exposures in motorbike riders," Biomedical Research (2018) Volume 29, Issue 10
12. Sravani, C., Jagannath, M., **Adalarasu, K**, "Railway signalling system using Zigbee wireless technology", International Journal of Pure and Applied Mathematics 118 (2018) (18 Special Issue B), pp. 2185-2193
13. Mohanavelu, K., Vishnupriya, R., Poonguzhali, S., **Adalarasu, K.**, Nathiya, N, "Mathematical models for predicting cognitive workload", International Journal of Pure and Applied Mathematics 118 (2018) (18 Special Issue D), pp. 3655-3671
14. GeethanjaliBalasubramanian, **Adalarasu Kanagasabai**, Jagannath Mohan, N.P. GuhanSeshadri, "Music induced emotion using wavelet packet decomposition—An EEG study", Biomedical Signal Processing and Control 42 (2018) 115–128

15. Thamarai, P., **Adalarasu, K.**, “Denoising of EEG, ECG and PPG signals using wavelet transform,” *Journal of Pharmaceutical Sciences and Research* 10(1), pp. 156-161, 2018.
16. Geethanjali, B., **Adalarasu, K.**, Jagannath, M., “Music induced emotion and music processing in the brain-a review,” *Journal of Clinical and Diagnostic Research* 12(1), 2018
17. Sasikumar, K., Ashija, P.A., Jagannath, M., **Adalarasu, K.**, Nathiya, N, “A hybrid approach based on PCA and LBP for facial expression analysis,” *ARPN Journal of Engineering and Applied Sciences* 13(1), pp. 302-308, 2018.
18. K. MOHANAVELU, R. LAMSHE, S. POONGUZHALI, **K. ADALARASU** and M. JAGANNATH,” Assessment of Human Fatigue during Physical Performance using Physiological Signals: A Review”, *Biomedical & Pharmacology Journal*, Vol. 10(4), 1887-1896, 2017
19. Ramasamy, **Adalarasu K.**, Trupti N Patel, “Evaluation of driving-related musculoskeletal disorders in motorbike riders using Quick Exposure Check (QEC),” *Biomedical Research* 2017; 28 (5): 1962-1968
20. N. Nathiya, K. Sasikumar, M. Jagannath, M. Thangaraj and **K. Adalarasu**, “An Observational Study on Occupational Stress Among Physiotherapists”, *Biomedical & Pharmacology Journal* 2017, Vol. 10(2), 889-894
21. G Mohan Babu, S VijayaBalaji, **K Adalarasu**, VeluruNagasai, A Siva, B Geethanjali, “Brain computer interface for vehicle navigation”, *Biomedical Research* 2017; Special Issue: S344-S350.
22. B Geethanjali, **K Adalarasu**, A Hemapraha , S Pravin Kumar, R Rajasekeran, “Emotion analysis using SAM (Self-Assessment Manikin) scale”, *Biomedical Research* 2017; Special Issue: Complex World of Neuroscience, S18-S24.
23. RajeswariJayaraj, Jagannath Mohan and **Adalarasu Kanagasabai**, “A Review on Detection and Treatment Methods of Sleep Apnea”, *Journal of Clinical and Diagnostic Research*. 2017 Mar, Vol-11(3): VE01-VE03.
24. Prasannavalan P, **Adalarasu K.**, Sasikumar K, “Mental Task Performance for Autistic Children Using Assistive Teaching Learning Process”, *International Journal of Pharmacy & Technology (IJPT)*, Dec-2016, Vol. 8, Issue No.4, 21815-21820
25. B. Geethanjali, **K. Adalarasu**, M. Jagannath, R. Rajasekaran, “Enhancement of task performance aided by music”, *Current Science*, Vol. 111, No. 11, 10 December 2016, 1794 - 1801
26. M. Sundar Raj, **K. Adalarasu**, M. Jagannath, Vinodhini, “Emotional State Assessment: Valence and Arousal Evaluation via EEG Analysis”, *International Journal of Pharmacy & Technology*, Vol. 8, Issue No.3, Sep 2016, 15712-15716
27. M. Sundar Raj, **K. Adalarasu**, M. Jagannath, R. BalaSaranya, “Assessment of Cognitive Status from EEG Data Using Independent Component Analysis”, *International Journal of Pharma and Bio Sciences*, Volume 7, Issue 3, 2016, 1149-1153.
28. B. Geethanjali; **K. Adalarasu**; M. Jagannath; R. Rajasekaran,” Influence of pleasant and unpleasant music on cardiovascular measures and task performance,” *International Journal of Biomedical Engineering and Technology*, 2016 Vol. 21 No. 2, pp 128-144.
29. P. Dhanalakshmi, **K. Adalarasu**, T. AravindKrishna, M. Jagannath, M. Sundar Raj, “Concepts and Approaches on Human Computer Interaction - A Review”, *International Journal of Pharmacy&Technology*, Sep-2015, Vol. 7, Issue No.2, 3371-3379.

30. GuhanSeshadri N.P, Geethanjali B, Pravinkumar S, **Adalarasu K**, “Wavelet Based EEG Analysis of Induced Emotion on South Indians”, Australian Journal of Basic and Applied Sciences, 9(33) October 2015, Pages: 156 - 161
31. Sundar Raj M, Manoj Prasath, **Adalarasu K**, “Stroke Rehabilitation through Physiotherapy- A Review”, International Journal of Pharmacy & Technology, Sep-2015, Vol. 7, Issue No.2, 3250-3255.
32. Sundar Raj M, Dinagan V, **Adalarasu K**, “Development of Low Cost Wireless Physiological Monitoring System”, International Journal of Pharmacy & Technology, Sep-2015, Vol. 7, Issue No.2, 8800-8803.
33. Sundar Raj M, Manoj Prasath, **Adalarasu K**, “Autism Spectrum Disorder”, International Journal of Pharmacy & Technology, Sep-2015, Vol. 7, Issue No.2, 8638-8647.
34. M. Jagannath and **K. Adalarasu**, “Diagnosis of Diabetic Retinopathy from Fundus Image using Fuzzy C-means Clustering Algorithm. IIOABJ, 2015; Vol. 6 (4): 03-09.
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36. A.J. Ezhil, **K. Adalarasu**, M. Jagannath and T. AravindKrishna, “Observing Human Behavior from Facial Expression Analysis”, Biomedicine — Vol. 35 No. 2: 2015, 125 -132
37. M. Jagannath, **K. Adalarasu** and S. Kartthik Srinivas, “Automatic Feeding System for Upper-Limb Amputees”, International Journal of Applied Engineering Research, Vol. 10 No.36, 2015, 27686 – 27689.
38. Dr. M. Jagannath, **Dr. K. Adalarasu**, S. Kartthik Srinivas, “Design of Temperature Data-logger for Biomass Cook-stoves”, International Journal of Applied Engineering Research, Volume 10, Number 10, 2015, PP 9815 – 9819.