Annexure I

Name : Dr. K. Adalarasu
Designation : Associate Professor

Department : Department of Electronics and Instrumentation Engineering

Address : Sastra, Deemed to be University

Thanjavur

Phone :-

Mobile : 6383182801

E-mail : adalarasu@eie.sastra.edu

Publication Details: 28

1. K. Adalarasu, M.Jagannath, O.James, "Assessment of Techniques for Teaching School Children with Autism", IRBM, 2019, In Press, IF: 0.934.

- 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.
- 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. Geethanjal, 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 Hemapraba, 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
- 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.