Dr.B.Thilakavathi,
Professor,
Department of ECE,
Rajalakshmi Engineering College,
Thandalam,
Chennai - 602105
Email:thilakavathi.b@rajalakshmi.edu.in
Mobile no: 9840665047

List of Publications:

1. Sakthi Kalyani. V, Srinidhi Vasudevan, **Thilakavathi. B**, 2020, 'Implementation of low power sensor network for smart dry land farming' on the 2nd International Conference on Engineering Digital Green Era held at Rajalakshmi Engineering College on 12th and 13th March 2020

2. **B Thilakavathi,** SShenbaga Devi, M Malaiappan, K Bhanu 2019, 'EEG power spectrum analysis for schizophrenia during mental activity' Australasian physical & engineering sciences in medicine 42 (3), 887-897. Springer.DOI: 10.1007/s13246-019-00779-w. PMID: 31364088

3. **Thilakavathi B**, Shenbaga Devi, S 2019, Analysis of Electroencephalogram as a prescreening tool for identification of Schizophrenia, https://www.medphys.org/PhDAbstracts/

4. M Supreetha, J Surekha, S Tamilselvi, S TirzahEleannor Royal, **B Thilakavathi**, 2019, 'MRI image analysis of Schizophrenia', International Conference on Information, Embedded &Communication Systems (ICIECS 2019) at St.Joseph College Of Engineering, 22nd March 2019 pp.24

5. **Thilakavathi, B,** Shenbaga Devi, S &Bhanu K 2018, **'**Peak frequency analysis for schizophrenia using Electroencephalogram power spectrum during mental activity', International Journal of Biomedical Engineering and Technology, Vol. 28 (1), pp. 18-37, ISSN 1752-6426, Inderscience publishers. Doi: 10.1504/ IJBET. 2018.10015636 (Research Gate Impact factor: 0.59)

6. Mohammed Rifath.M, Mohammed Shafeek.P.M, Mothiprakash.N, Murali Krishnan, Benazir Begam.R, **Thilakavathi.B**, 2018, ' Extraction of event related potential from EEG using wavelet transform' International Conference on Smart Structures and Systems (ICSSS 2017) at Saveetha Engineering College, 28th March, 2018 hosted by IEEE & IETEhttp://anyflip.com/swuz/jxvp/basic/101-150

7. Mageshwari.S, JananiShree.P, Gayathri.M, **Thilakavathi.B**, Benazir Begam.R, 2018, 'Performance of Working Memory Using EEG Signal' 8th International Conference on Science and Innovative Engineering at Jawahar Engineering College, Chennai, 1st April, 2018 hosted by Organisation of Science & Innovative Engg. & Technology (OSIET). pp.45

8. **Thilakavathi B,** Shenbaga Devi S, Bhanu K, Malaiappan. M 2017, **'**EEG signal Complexity analysis of Schizophrenia during rest and mental activity', Biomedical research; Vol. 28(1), pp.1-9 ISSN 0970-938X .(Impact factor:0.219)

9. **Thilakavathi, B,** Shenbaga Devi, S &Bhanu, K 2016, 'Identification of Schizophrenia using EEG alpha band power during Hyperventilation and Post Hyperventilation', Journal of Medical and Biological Engineering, Vol. 36(6), pp. 901- 911,SpringerISSN 1609-0985, doi: 10.1007/s40846-016-0192-2. (Impact Factor: 0.989).

10. PadmalayaGurunathan, SaranyaJayaraman, **Thilakavathi.B**, Polyvinyl pyrrolidone coated iron oxide nanomaterials as a nano-adsorbent in extraction of heavy metals from leachate International conference on Engineering DiGital Era EDGE 2016 at Rajalakshmi Engineering College, 17-18th March 2016, pp.112.

11. UmaMageswari, **Thilakavathi B,**2015, 'EEG complexity analysis of the Brain during various activity', International Journal of Emerging Technology in Computer Science and Electronics(IJETCSE). ISSN 0976-1353, Vol.1, pp. 665-668, March

12. Uma Mageswari, **Thilakavathi B,** 2015, 'EEG Complexity Analysis of the Brain during various activity', International Conference on Recent Research in Engineering.

13. Sasirekha S, **Thilakavathi B,** 2015,' Extraction of ERP from EEG and Noise Removal', International Conference on Electrical, Electronics & Computer Engineering at Vivekanandha College of Engineering for Women, ISBN: 978-93-81830-95-6. pp.24-28. March 11th and 12th , 2015.