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Publications Details

INTERNATIONAL JOURNALS

1. **Inbamalar T M**, Apoorva N, Akshayaa T M, GokulPooja C, Jayashre T, Jayashree D, 2018, 'An improved Artificial Electrolarynx', International Journal of Pure and Applied Mathematics, Volume 118, No.18, pp.3389-3396 (Scopus indexed).

2. **Inbamalar T M** and Sivakumar R, 2017, 'Improved Algorithm for the detection of cancerous cells using discrete wavelet transformation of genomic sequences', Current Bioinformatics, vol.12, No.6, pp. 543-550. (SCIE, Web of science, Annexure – I).

3**. Inbamalar T M** and Sivakumar R, 2016, 'Improved Algorithm for the location of CPG islands in genomic sequences using discrete wavelet transforms', Current Bioinformatics, vol.12, No.1, pp. 57-65 (SCIE, Web of science, Annexure – I).

4. Anuradha T, **Inbamalar T M**, 2016, 'An efficient approach and its VLSI implementation for the study of DNA sequences', Middle East Journal of Scientific Research, vol.24, No. 1, pp.131-135.

5. Anuradha T, **Inbamalar T M**, 2016, 'VLSI implementation of algorithms for bioinformatics applications', International Journal of advanced research in management architecture technology and engineering, vol.2, special issue 2, pp.107-111. PREVIOUS EXPERIENCE PUBLICATIONS 3

6. **Inbamalar T M** and Sivakumar R 2015, 'Improved algorithm for analysis of DNA sequences using multiresolution transformation', The Scientific World Journal, vol.2015 (Scopus indexed, Annexure – I).

7. **Inbamalar T M** and Sivakumar R 2015, 'Analysis of normal and cancer DNA sequences using genomic signal processing', International Journal of Applied Engineering Research, vol.10, no.1, pp. 2105-2115 (Scopus indexed, Annexure – II).

8. **Inbamalar T M** and Sivakumar R 2014, 'An efficient approach for cancer prediction using genomic signal processing', International Review on Computers and Software, vol.9, no.3, pp. 585-591. (Scopus indexed, Annexure – II).

9. **Inbamalar T M** and Sivakumar R 2013, 'Study of DNA sequence analysis using DSP techniques', Journal of Automation and Control Engineering, vol.1, no.4, pp.336-342.

10. Sharanya S B , **Inbamalar T M** and Sivakumar R, 2015 ,' Identification of hotspots in proteins using discrete wavelet transform filtering' Journal of Science and Innovative Engineering & Technology.

11.Arthi D, **Inbamalar T M**, Sivakumar R, 2015, 'CpG island identification using singular value decomposition and adaptive filtering', Journal of Science and Innovative Engineering & Technology.

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12.**Inbamalar T M,** R.Sandhya, R.Sangeetha, R.Sinduja, R.Vaisunavee, 2018, 'An improved method for the early detection of lung cancer', Proceedings of the International Conference on nnovations in Engineering and Sciences (ICIES'18) organized during March 23-24, 2018 by Jeppiaar SRR Engineering college, Chennai.

13.**Inbamalar T M,** Apoorva N, Akshayaa T M, GokulPooja C, Jayashre T, Jayashree D, 2018, 'An improved Artificial Electrolarynx', Proceedings of the International Conference on Inventive Computing Systems and Applications (ICICSA 2018) organized during January 29-30, 2018 by Inventive Research Organization at Pattaya, Thailand.

14.Reshma G S, **Inbamalar T M** and Srinivasan T, 2017 ,'Brain Tumour Diagnosis Using Improved Supervised Learning Models and Review on Advanced Techniques', Proceedings of the International Conference on Science and Innovative Engineering at Chennai, India.

15. Santhosh.P, Rohith Varma.K.S, Sai Vinay.C.K, Vignesh.R, **Inbamalar T M**, 2017, 'White Blood Cell Analysis for Leukocytosis and Neutropenia Detection using Wavelet Transform and Neural Networks', Proceedings of the Fourth International Conference on Green Technologies for Power Generation, Communication & Instrumentation at Chennai, India.

16.**T.M.Inbamalar**, S.Shabeer Ahmed Baig, T.Sidharth, P.Satish Kumar, T.Chandrakanth, 2017, 'DNA Sequencing to analyze NIR Spectroscopy', Proceedings of the International Intellectual convergence on Advances in science and Engineering at Chennai, India.

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19. Arthi D, **Inbamalar T M** , Sivakumar R, 2015, 'CpG Island Identification Using Singular Value Decomposition and Adaptive Filtering ', Proceedings of the 5th International Conference on Science and Innovative Engineering, at Chennai, India.

20. Sharanya SB , **Inbamalar T M** and Sivakumar R, 2015, 'Identification of Hotspots in Proteins using Discrete Wavelet Transform Filtering ', Proceedings of the 5th International Conference on Science and Innovative Engineering at Chennai, India.

21.Chrish, **Inbamalar T M**, R.Sivakumar, 2014. 'Modified Wavelet Transform For DNA Sequence Analysis', International Conference on Power, Control and Instrumentation Engineering (ICPCIE '14), pp. 15-18, at Chennai, India.

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24. Sharanya.S.B, **T.M. Inbamalar**, R. Sivakumar, 2014, 'Analysis of proteins sequence similarity using BiOrthogonal wavelet transform', Proceedings of the National Conference on Emerging Trends in Networking, automation and Control Technologies (ENACT 2014), at Chennai, India.

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27.Ambedkar rajan N.S, **T.M.Inbamalar** 2014, 'Analysis of proteomics using adaptive filtering approach', Proceedings of the National Conference on Innovative Technologies in Electrical and Electronics Engineering (NCITEEE'12), at Chennai, India.

28. S. Jasmin Mary, K. Indira, **T.M Inbamalar**, 2012, 'Analysis Of Genomics And Proteomics Sequence Using Adaptive Filter', Proceedings of National Conference on Research Issues In Computer Science And Engineering (NCRICSE '12), at Chennai, India.

29. M. Emimal, **T.M.Inbamalar,** 2011, 'Analysis of Genomics using DSP Techniques', Proceedings of Third National conference on VLSI Communication and Networks (VCAN'11), at Chennai, India.

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Filed provisional registration for patent on VIBRATO-LARYNX at Indian Patent Office vide application Number:201741033584, Reference number: E2/2834/2017-CHE and Docket number:59750