Dr P Balamurugan

Professor

Department of Information Technology, School of Computing,

SRM Institute of Science and Technology

Kattankulathur - 603 203

Chengalpattu Dist

Tamil Nadu.

Mobile : 9600761623

E-Mail: pookumbala@gmail.com

Area of Specialization:Wireless Network, Network Security, Internet of Things

List of Publications:

1. **P.Balamurugan**, J.Santhosh, G.Arulkumaran, "Hand Motion Based Mouse Cursor Control Using Image Processing Technique", Journal of Critical Review, ISSN: 2394 – 5125, Vol. 7, Issue 4, pp.181-185, 2020.

2. Rajesh Yamparala, **P.Balamurugan**, "Efficient Malicious Node Identification Method for Improving Packet Delivery Rate in Mobile Ad Hoc Networks With Secured Route", Journal of Critical Reviews, ISSN- 2394-5125, Vol. 7, Issue 7, pp.1011-1017, 2020.

3. RajnikantNarwade, **P.Balamurugan**, "Secure Routing Algorithm in Wireless Mesh Network", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Vol. 9, Issue1, pp.1820-1825, 2020.

4. G.Arulkumaran, **P.Balamurugan**, J.Santhosh, N.R.Rajalaksmi, S.T.Lenin, R.T.Dineshkumar, "Assessment Of Kappa Model To Identify Soil Condition Using Historical Data For Crop Rotation", International Journal of Advanced Science and Technology, Vol. 29, Issue 9s, pp.143 – 148, 2020.

5. Ranjeet B. Kagade, **P.Balamurugan**, "Two Level Intrusion Detection Mechanism for Context and Trust in Wireless Sensor Network", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Vol. 8, Issue6, pp.65-71, 2020.

6. **P.Balamurugan**, J.Santhosh, G.Arulkumaran, "Reliable and Energy Efficient Data GatheringProtocol in Wireless Sensor Networks", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Vol. 7 Issue5S2, pp.114-119, 2019.

7. **P.Balamurugan**, J.Santhosh, G.Arulkumaran, M.Vijayakumar, "Energy Efficient and Reliable Mobile SinkRouting Protocol in Wireless SensorNetworks", International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Vol. 8, Issue3S, pp.834-836, 2019.

8. R.Velumani, **P.Balamurugan**, "Collaborative Mutual Sharing Spectrum Model for Energy Harvesting in Wireless Sensor Network Supported by Cognitive Sensor Networks", Journal of Caribbean Journal of Science, Vol. 53, Issue 2, pp.2206-2214, 2019.

9. M.Murugesan**, P.Balamurugan**, "IOT Based Remote Health Care Monitoring With Cloud Supporting System", Compliance Engineering Journal, ISSN No.: 0898-3577, Vol. 10, Issue 10, 2019.

10. Rajesh Yamparala, **P.Balamurugan**, "Secure Data Transmission with Effective Routing Method Using Group Key Management Techniques-A Survey", Journal Europeen des SystemesAutomatises, Vol. 52, Issue 3,pp. 253-256, 2019.

11. **P.Balamurugan**, MarimuthuKaruppiah, A.Mummoorthy, A.M.Viswabharathi, R. Niranchana, "Consistent and effective energy utilisation of node model for securing data in wireless sensor networks", International Journal of Grid and Utility Computing, DOI: 10.1504/IJGUC.2018.093978, Vol.9, Issue 3, 2018.

12. **P.Balamurugan**,K.Marimuthu, M. Shyamala Devi, "A Reliable and Efficient Design for Detection ofWormhole Attack in Wireless Sensor Networks", International Journal of Pure and Applied Mathematics, Vol. 119, Issue 15, pp.1743-1753, 2018.

13. **P.Balamurugan**, M.Shyamala Devi, V.Sharmila, "An energy minimizing score based optimal data gatheringin wireless sensor networks", International Journal of Engineering & Technology, Vol. 7, pp.161-164, 2018.

14. **P.Balamurugan**, M.Shyamala Devi, V.Sharmila, "Detecting malicious nodes using data aggregation protocolsin wireless sensor networks", International Journal of Engineering & Technology, Vol. 7, pp.594-598, 2018.

15. M.Murugesan, **P.Balamurugan**, "Reliable and energy efficient broadcasting in wireless sensor network using condensed relay node algorithm", Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, Issue 11, pp.363-368, 2018.

16. M.Shyamala Devi, B.Mahalakshmi, **P**.**Balamurugan**, "Multimodal Biometric Authentication using Gray Level Co-Occurrence Matrix for Enhancing Security in Cloud", International Journal of Pure and Applied Mathematics, Vol. 119, Issue 16, pp.5019-5031, 2018.

17. M.Shyamala Devi, **P.Balamurugan**, "Local energy match based non-sub sampled contourletTransform for multi modal medical image fusion", International Journal of Engineering & Technology, Vol. 7, Issue 2, pp.165-169, 2018.

18. M.Shyamala Devi, A.N.Sruthi, **P.Balamurugan**, "Artificial neural network classification-based skincancer detection", International Journal of Engineering & Technology, Vol. 7, Issue 1, pp.591-593, 2018.

19. A.N.Sruthi, M.Shyamala Devi, **P.Balamurugan**, "Premature interlude detection and classification of breast cancerusing ANN classifier", International Journal of Engineering & Technology, Vol. 7, Issue 1, pp.587-590, 2018.

20. J.SairaBanu, M.RajasekharaBabu, I.SumaiyaThaseen, **P.Balamurugan**, "Analysis of Using Sparse Matrix Storage Formats in ImageCompression Techniques", International Journal of Pure and Applied Mathematics, Vol. 117, Issue 15, pp.513-526, 2017.