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**C Bala Subramanian** received his Bachelor of Engineering in Electronics and Communication Engineering from Anna University, Chennai by 2006. He received his Master of Engineering in Applied Electronics from Anna University, Chennai by 2008. He has completed Ph.D degree in the area of Wireless Sensor Network in the department of Information Technology under Kalasalingam Academy of Research and Education by 2020. He is currently working as an Associate Professor in the Department of Computer Science and Engineering, Kalasalingam Academy of Research and Education. He has 12 years of experience in teaching and research. He has published more than 20 papers in reputed International Journals and Conferences. His areas of interest are Image and Signal Processing, Sensor Networks, Adhoc Networks, Wireless Communication, Internet of Things etc.

**List of Publications (Last five years)**

1. P.Karthikeyan, **C.Bala Subramanian**, V Arunprasad and M.Karthik, "Design and Implementation of Solar Powered Tricycle for Physically Challenged Person", ISSN: 2245-4586, Volume-10, Issue-3, Page No.1018-1034, April 2020. (**Scopus Indexed**).
2. **C Bala Subramanian**, M Maragatharajan and SP Balakannan, "Inventive approach of path planning mechanism for mobile anchors in WSN", Journal of Ambient Intelligence and Humanized Computing, DOI : <https://doi.org/10.1007/s12652-020-01752-2>, 06 February 2020, (**IF : 4.594, Science Citation Index Expanded**).
3. **C Bala Subramanian** and S P Balakannan, "Scan and Z-Curve Trajectory for Mobile Anchor in Localization of Wireless Sensor Network", International Journal of Recent Technology and Engineering, ISSN: 2277-3878, Volume-8 Issue-3, September 2019. Page No. 8057-8061. (**Scopus Indexed**)
4. M. Maragatharajan, **C. Bala Subramanian** and S. P. Balakannan, "A secured MANET using position-based opportunistic routing and SEMI MARKOV process", Concurrency and Computation: Practice and Experience, Volume.31, Issue 14, Pages. e5047, July 2019. (**IF : 1.447, Science Citation Indexed**).

5. **C Bala Subramanian** and S P Balakannan S P, "Optimized Trajectory Planning for Mobile Anchors in Wireless Sensor Networks", IEEE Xplore, ISBN: 978-1-5090-4778-9, March 2017. (**Scopus Indexed**).
6. V.Arunprasad, K.S.Gowthaman, S.Palaniappan, **C.Bala Subramanian**, B.Aruna Devi and Baseera, "Advanced Analysis Scheme In Thermal Power Plant For Failure Risk And Complex Repairable System", Journal of Critical Reviews, ISSN: 2394-5125, Volume-7, Issue-11, Page No. 4081-4089, August 2020.
7. **Bala Subramanian Chockalingam**, HemalathaJeyaprakash and Geetha Subbiah, "A Comparative note on recent advances of signal/image processing techniques in healthcare", IET Book Chapter on Advances in Telemedicine for Health Monitoring: Technologies, Design and Applications, Chapter DOI: 10.1049/PBHE023E\_ch, Page No. 55 -76 (22), July 2020.
8. **C Bala Subramanian**, EtlamJaswanth and Ch Pushyanth Reddy, "Secured Patent Record in Cloud Environment", International Journal of Advanced Science and Technology, ISSN: 2005-4238, Volume-28, Issue-7, June 2020. Page No. 105666-105684.
9. **C Bala Subramanian**, J Hemalatha, S P Balakannan and S Geetha, "Improving Image Steganalyser Performance using Second Order SPAM Features Extracting through Contourlet Transform", International Journal of Engineering and Advanced Technology, ISSN: 2249 - 8958, Volume-9 Issue-1S4, December 2019. Page No. 137-143.
10. **C Bala Subramanian**, M.Maragatharajan and S P Balakannan, "A Range Based and Range Free Localization in Wireless Sensor Network", International Journal of Recent Technology and Engineering, ISSN: 2277-3878, Volume-8 Issue-4S2, December 2019. Page No. 669-705.
11. M. Maragatharajan, **C. Bala Subramanian** and S. P. Balakannan, "Node Selection Strategy for Reliable Data Transmission in Manet using Semi Markov Process for Multicast Routing Protocol", International Journal of Recent Technology and Engineering, ISSN: 2277-3878, Volume-8 Issue-4S2, December 2019. Page No. 717-722.
12. M. Maragatharajan, **C. Bala Subramanian** and S. P. Balakannan, "Reliable Data Delivery in Manet using Adaptive Demand Driven Routing Protocol and Semi Markov Process", International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075, Volume-9, Issue-2S2, December 2019. Page No. 781-787.
13. M. Raja, S. Dhanasekaran and **C. Bala Subramanian**, "Contactless Detection of Heartbeat and Cardiopulmonary Modeling using Vector Analyzer", International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075, Volume-9 Issue-2S2, December 2019. Page No. 419-423.
14. M. Maragatharajan, N. S. Aarthy, K. Mahalakshmi, M. Muthukumar and **C. Bala Subramanian**, "A Novel to Project Customer Feelings via Reviews", International Journal of Engineering and Advanced Technology, Volume 9, Issue 1S4, Pages 69-73, December 2019.