**Dr.G.Murugaboopathi,**
**Associate Professor,**
**Department of Computer Science and Engineering**
**Kalasalingam Academy of Research and Education**
**(Kalasalingam University),**
**Srivilliputtur(TK).**

**List of Publications:**

1. G.Murugaboopathi and V.Gowthami "Slicing based efficient privacy preservation technique with multiple sensitive attributes for safe data distribution" journal of intelligent and fuzzy system, September 2020, DOI: 10.3233/JIFS-189257, Vol. Pre-press, no. Pre-press, pp. 1-8, 2020

2. A. Francis Saviour Devaraj, G. Murugaboopathi, Mohamed Elhoseny, (Senior Member, Ieee), K. Shankar, (Member, Ieee), Kyungbok Min, Hyeonjoon Moon, and Gyanendra Prasad Joshi, "An Efficient Framework for Secure Image Archival and Retrieval System Using Multiple Secret Share Creation Scheme", IEEE Access, Volume 8 August 2020, pp: 144310 – 144320, DOI: 10.1109/ACCESS.2020.3014346.

3. V.Gowthami and G.Murugaboopathi, "Secure cubic dimension acoustic and routing in acoustic sensor network" Journal of Ambient Intelligence and Humanized Computing, https://doi.org/10.1007/s12652-020-02397-x, July 2020

4. **R.Kanniga Devi,** G.Murugaboopathi, and P.Vijayakumar, "An Efficient Cloud Data Center Allocation to the Source of Requests", Journal of Organizational and End user computing", Publisher: IGI Global, USA IF:0.759 Volume 32 • Issue 3 • July-September 2020 DOI: 10.4018/JOEUC.2020070103.

5. R.Kanniga Devi, G.Murugaboopathi, and P.Vijayakumar, "An Efficient Cloud Data Center Allocation to the Source of Requests", Journal of Organizational and End user computing", Publisher: IGI Global, USA IF:0.759, Volume-32, Issue-3, July-September 2020 pp: 23-36, DOI: 10.4018/JOEUC.2020070103.

6. B.Pitchaimanikam and G.Murugaboopathi "A Hybrid Firefly Algorithm and Particle Swarm Optimization for Energy Efficient Optimal Cluster Head Selection in Wireless Sensor Networks" Neural Computing and Applications, Vol 32, 7709–7723 (2020) DOI 10.1007/s00521-019-04441-0

7. L.Gandhimathi, G.Murugabooapthi "A Novel Hybrid Intrusion Detection using Flow-based Anomaly Detection and Cross-layer Features in Wireless Sensor Network" Automatic Control and Computer Sciences, Vol. 54, No. 1, 2020, pp. 62–69.

8. Udhayakumar, U and Murugaboopathi "To improve user key security and cloud user region-based resource scheduler using rail fence region-based load balancing algorithm" Journal of Ambient Intelligence and Humanized Computing, DOI: https://doi.org/10.1007/s12652-020-02152-2, May 2020

9. A. Manimuthu and G. Murugaboopathi, "An enhanced approach on distributed accountability for shared data in cloud" Journal of Ambient Intelligence and Humanized Computing, https://doi.org/10.1007/s12652-020-02029-4, May 2020

10. G.Murugaboopathi, and V.Gowthami, "Investigation of Energy Performance in Underwater Using Acoustic Sensor Network" Journal of Green Engineering, Volume – 10, Issue-4, April 2020, pp.1653-1662.

11. Udhayakumar, U and Murugaboopathi "Enhanced security using hybrid parallel integrity key data service access control method in virtual cloud", Journal of Green Engineering, Volume – 10, Issue-2, February 2020, pp.342-359.

12. Udhayakumar, U and Murugaboopathi, G "Convergence of Big Data and Cloud Computing for Enhanced Future" Journal of Computational and Theoretical Nanoscience, Volume 16, Numbers 5-6, May 2019, pp. 2619-2622(4) DOI: https://doi.org/10.1166/jctn.2019.7940

13. A. Manimuthu and G. Murugaboopathi, "A Proposed "Modified Filtering Algorithm" (MFA) for Secured Data by Identifying the Delay and Effective Completion Time of Tasks in Cloud" International Journal of Recent Technology and Engineering , Volume-7, Issue-5S3, February 2019, pp.551-558.

14. Murugaboopathi Gurusamy and Jainul Fathima "Lead Optimization Studies Towards Finding NS2B/NS3 Protease Targetspecific Inhibitors as Potential Antidengue Drug-like Compounds", Current Drug Discovery Technologies, DOI: 10.2174/1570163815666180709155131, 2019.

15. S. Sankara Narayanan and G.Murugaboopathi "Modified secure AODV protocol to prevent wormhole attack in MANET" Concurrency and Computation Practice and Experience, DOI: https://doi.org/10.1002/cpe.5017,IF- 1.14, November 2018

16. J.Fathima, G.Murugaboopathi and P.Selvam "Design and Docking Studies of Zika Virus NS2B/NS3 Protease: A Computational Approach", International Journal of Pure and Applied Mathematics, Vol 119 (12): 3917-13924, 2018.

17. A.Jainul Fathima, G. Murugaboopathi," A Novel Customized Big Data Analytics Framework for Drug Discovery", Journal of Cyber Security and Mobility, Vol 7(1): 145-160, 2018. doi: 10.13052/jcsm2245-1439.7111.

18. R.Kanniga Devi, **G.Murugaboopathi** and M.Muthukannan, "Load Monitoring and System-Traffic-aware Live VM Migration-based Load Balancing in Cloud Data Center using Graph Theoretic Solutions" "Cluster Computing", Vol. 21 (3), 1623-1638, Sep. 2018, IF 2.04.

19. A.Jainul Fathima, G. Murugaboopathi and P. Selvam," Pharmacophore Mapping of Ligand Based Virtual Screening, Molecular Docking and Molecular Dynamic Simulation Studies for Finding Potent NS2B/NS3 Protease Inhibitors as Potential Anti-Dengue Drug Compounds" Current Bioinformatics Vol 13 (6): 606, 2018 DOI: 10.2174/1574893613666180118105659 IF – 0.77, January 2018

20. Kanniga Devi Rangaswamy and Murugaboopathi Gurusamy, "Application of Graph Theory Concepts in Computer Networks and its Suitability for the Resource Provisioning Issues in Cloud Computing-A Review", Journal of Computer Science, Vol. 14 (2): 163.172, 2018.

21. R.Kanniga Devi, and **G.Murugaboopathi** "A Graph-Based Clustering and Load Balancing of Distributed Cloud Data Centers", "International Journal of Communication Systems", IF 1.066 – https://doi.org/10.1002/dac.3896. February,2017

22. G. Venkata Swaroop and **G. Murugaboopathi**, "Secure and Reliable Communication Scheme for MANET using ECMS Cluster Head-Based Certificate Revocation", "Cluster Computing", Vol 20, 1-13, 2017 , IF 2.04. https://doi.org/10.1007/s10586-017-1415-1

*23.* B.Pitchaimanikam and **G.Murugaboopathi**, "Bacteria Foraging Algorithm based Optimal Multi Sink Placement in Wireless Sensor Networks" "Journal of Intelligent Systems" – https://doi.org/10.1515/jisys-2016-0271, Vol 27(4): 609-618, 2017(Online) 2018(Print).

24. S.Subalakshmi, G.Murugaboopathi and T.Sangeetha, "WBS Network for the prevention of congenital heart problem in 5 To 8 years of children using OM signal" Journal of Advanced Research in Dynamical and Control Systems – Vol(9) Sp-18: 2152-2157, 2017, *ISSN: 1943-023X.*

25. R.Rajan, G.Murugaboopathi and C.Parthasarathy, "Providing Triple-Key Benefits with Designated Mining and freedom from danger informatics for user data" Journal of Advanced Research in Dynamical and Control Systems – Vol(9) Sp-16: 966-979, 2017, *ISSN: 1943-023X.*

26. G. Venkata Swaroop and **G. Murugaboopathi** "WDT-CH: Watch Dog Timer Cluster Head Node based Sensor Node - Master Operations in Wireless Mobile Ad-Hoc Networks (WMAN)", Indian Journal of Science and Technology - Vol. 9(36): 1-10, Sep 2016, *ISSN: 0974-6846.- ISI Thomson Reuters.*

27. R.Kanniga Devi and **G.Murugaboopathi**, "An Energy-efficient Tree-based approach for Optimal Virtual Machine", Australian Journal of Basic and Applied Sciences – Vol.10 (2): 307-314, 2016, *ISSN: 1991-8178.*

28. G. Venkata Swaroop, **G. Murugaboopathi**, S.A. Kalaiselvan, "TAEACK: A Time Adaptive Enhanced ACK Mechanism for Detecting and Preventing Sink-Hole Attacks in MANET", Australian Journal of Basic and Applied Sciences – Vol.9 (27): 291-299,Sep 2015, *ISSN: 1991-8178.*

29. A. Sakthivel and **G.Murugaboopathi**, "ECC Based Cryptor for Encrypting Information on e-Mail", International Journal of Applied Engineering Research – Vol.10 (55): 1127-1131, 2015, *ISSN: 0973-4562.*

30. V.Gowthami and **G.Murugaboopathi** "Craft Recognition with Secret Key Extraction in Wireless Sensor Networks", International Journal of Applied Engineering Research – Vol.10 (55): 51-53, 2015, *ISSN: 0973-4562.*

31. S.Subalakshmi and **G.Murugaboopathi** "Body Sensor Network for Pregnancy Woman" International Journal of Applied Engineering Research – Vol.10 (9): 23639-23644, 2015, *ISSN: 0973-4562.*

32. **G.Murugaboopathi** and A. Sakthivel "Unique Dynamic Key Management Based Node Authentication for Secure Communication in MANET's", International Journal of Applied Engineering Research – Vol.10 (55): 1122-1126, 2015, *ISSN: 0973-4562.*