

List of Journals:

1. Published **"Constructing Models From Microarray Data With Swarm Algorithms"**, International Journal of Computer Science and Information Security, (IJCSIS), Dec 2010, Vol. 8, No. 9, pp 237-242, ISSN:1947-5500, Impact Factor-1.2.
2. Published **"A Comparative Performance Study On Hybrid Swarm Model For Micro Array Data"**, International Journal of Computer Applications (IJCA), Sept 2011, Vol. 30, No.6, pp 10-14, ISSN: 0975 – 8887, Impact Factor-0.814.
3. Published **"A Hybrid Metaheuristic Algorithm For Classification Using Micro Array Data"**, International Journal of Scientific & Engineering Research (IJSER), Feb 2012, Volume 3, Issue 2, ISSN 2229-5518, Impact Factor- 1.4.
4. Published **"Classification Of Normal And Abnormal Retinal Images Using Neural Networks"**, International Journal of Advanced Research in Computer Engineering & Technology, Vol: 3, Issue: 9, PP: 3111-3115, September 2014.
5. Published **"Identifying True vessels using Krish Edge Segmentation"**, COMPUSOFT-An International Journal of Advanced Computer Technology, August 2014, Vol: 3, Issue: 8, ISSN:2320-0790, PP:1053-1058
6. Published **"Multicast Routing in Manet and Performance Measurements of Multicast Routing Protocol."**, International Journal for Research in Science, Engineering and Technology, Vol:1, Issue:3, ISSN 2394-739X, PP:1-7, May 2015, Impact Factor : 0.833.
7. Published **"Multicast in Manet Using the best effective Protocols"**, International Journal for Research in Science, Engineering and Technology, August 2015, Vol:2, Issue:6, ISSN 2394-739X, PP:48-54, Impact Factor:0.833 .
8. Published **"Survey on Data Mining Algorithms to Predict Leukemia Types"**, International Journal for Research in Science, Engineering and Technology, August 2015, Vol:2, Issue:5, ISSN 2394-739X, PP:42-46, Impact Factor : 0.833.
9. Published **"Genetic Mining of Leukemia Using Microarray Classified Data"**, International Journal for Research in Science, Engineering and Technology, March 2016, Vol:3, Issue:3, ISSN 2394-739X, PP:31-37, Impact Factor :0.833.
10. Published **"Classification of Microarray Data Based on Different Data Classifier Approaches"** International Journal for Research in Science, Engineering and

Technology, January 2017, Vol:4, Issue: 1, ISSN 2394-739X, PP: 27-33, Impact Factor 0.833.

11. Published a paper **“A Review of Semantic Analysis Methods in Social Media Data”**, in Journal of Advanced Research in Dynamical and Control Systems (Scopus Indexed Journal ,UGC Approved Journal), Special Issue : August 2018, ISSN: 1943-023X, Vol. 10,No.12 , pp. 1269 – 1277, published by JARDCS.
12. Published a manuscript entitled **“A Survey on Network Security for Modern Internet of Things in DDOS Attack”** in International Journal of Research in Engineering, Science and Management in Volume-2, Issue 8, August 2019, ISSN No: 2581-5792,Impact Factor :4.308.
13. Published a journal entitled **“Hybrid Intrusion Detection System in IOT Network Environments”** with paper ID: CEJ/2509 in Compliance Engineering Journal in Volume-10, Issue 11, November 2019, UGC Approved Group ‘A’ journal , ISSN No: 0898-3577 , Scientific Journal, Impact Factor-6.2.
14. Published a paper entitled **“Intrusion Detection System in IOT Network Environment in DDOS Attack”** in Infokara Research , An UGC – CARE Approved A Journal in Volume-9, Issue 2, February 2020,ISSN No:1021-9056, Impact Factor-5.3.
15. Published a Paper entitled **“An Efficient Sentimental Analysis for Twitter Using Neural Network Based on Rmsprop ”**in (IOSRJEN) IOSR Journal of Engineering (UGC Approved Journal, Google Scholar Indexing), February 2019, ISSN (e):2250-3021, ISSN (p):2278-8719, PP 17-25.
16. Published a Journal entitled **“Enhanced Detection Methods in Network Security of Internet of Things in DDOS Attack”** in Journal of Analysis and Computation (JAC) April-2019, ISSN: 0973-2861.
17. Published a paper entitled **“Modern Education System in the Development of Students Skill”** in IJASRW (International Journal of Advance Study and Research Work), Special Issue ICROIRT-2020/September 2020(ISSN: 2581 – 5997), PP 617 - 619.
18. Published a paper entitled **“Airline Twitter Data-Based Sentiment Analysis Using Improved Deep Neural Network”**, in International Journal of Grid and Distributed Computing (IJGDC) (Web of Science Indexed, ESCI), Sep 2020 ISSN: 2005-4262 ,Vol 13, No 2, PP 292-304, , published by IJGDC.

19. Published a paper entitled "**Student Academy Performance Evolution Using Efficient Spiking Neural Network**," *International Journal of Environmental Sciences*, Vol. 11, No. 21s, ISSN: 2229-7359, 2025. Indexed in **Scopus**.

List of Conferences

1. National Conference on Emerging Trends in Computer Science (NCETCS' 09), Avinashilingam University for Women, 13th March 2009.
2. Presented Paper titled "**Classifiers for Gene Microarray Data Analysis**" in Proceedings of the National Conference on Advanced Computing Technologies (NCACT-2010), Avinashilingam University for Women, 19th February 2010.
3. Presented Paper entitled "**Performance Evaluation of a Swarm Model from Microarray Data**" in AICTE Sponsored National Conference on "Scientific Computing and Applied Mathematics", VLB Janakiammal College of Engineering and Technology, Kovaipudur, Coimbatore-42, on 29th and 30th June 2011.
4. Presented Paper titled "**An Effective Hybrid Model for Microarray Data**" in International Conference on Advanced Computing Technology (ICACT 2011), IEEE MP Subsection, IEEE Computer Society Bombay Chapter, CSI Indore Chapter, J.K.K. Nattraja College of Engineering and Technology on 29th and 30th July 2011.
5. Presented Paper titled "**Swarm Optimization and Flexible Neural Tree for Microarray Data Classification**", Proceedings of the Second International Conference on Computational Science, Engineering and Information Technology, CCSEIT '12, 26.10.2012 to 28.10.2012, Publisher: ACM.
6. Participated in Second International Conference on "**Computer Applications and Information Technology**" (CAIT 2013), PG & Research Department of Computer Applications, Hindusthan College Of Arts and Science, 17.12.2013.
7. Presented Paper entitled "**Strength of High Performance Concrete by Practical Replacement of Natural Sand Using M-Sand**" in National Conference on Information and Image Processing, Sankara College of Science and Commerce, 27th February 2015.
8. Participated in UGC & DST-CURIE sponsored International Conference on "**SMAC – Reshaping the future**" Department of Computer Science, Avinashilingam Institute for Home Science and Higher Education for Women, 9.2.2018.

9. Presented a Paper in International Conference Proceedings entitled **“An Efficient Sentimental Analysis For Twitter Using Neural Network Based On Rmsprop”** in International Conference on Computational Intelligence and Data Science (ICCIDs ‘18) held at Sankara college of Science and Commerce, Coimbatore, October 10th 2018 , ISSN/ISBN.No 2250-3021.
10. **“An Efficient Sentiment Analysis for Twitter using Neural Network based on RMSPROP”**, presented in the International Conference on Computational Intelligence and Data Science (ICCIDS’18) Published in IOSR Journal of Engineering (UGC Approved Journal, Google Scholar Indexing), held at Sankara College of Science and Commerce, Coimbatore held during 10th October, 2018.
11. Presented a paper entitled **“Extensive Survey on Feature Extraction and Feature Selection Techniques for Sentiment Classification in Social Media”**, in the 10th International Conference on Computing, Communication and Networking Technologies” (ICCCNT – 19) held at IIT, Kanpur, in association with IEEE UP Section ,Published on IEEE Xplore (Scopus Indexed) , held during 6th July to 8th July, 2019.
12. Presented a paper entitled **“Airline tweets sentimental analysis using Adaptive Rider Optimization based Support Vector Neural Network”** in the 11th International Conference on Computing , Communication and Networking Technologies ” (ICCCNT – 20) held at Indian Institute of Technology , Kharagpur , India in association with IEEE Kharagpur Section held during July 1-3 ,2020, Published in IEEE Xplore (Scopus Indexed).
13. Presented a paper entitled **“Modern Education System in the Development of Students Skill”** in the live virtual International conference “International Conference on Research Outlook, Innovations and Research Trends” (ICROIRT 2020) held on August 29-30, 2020.
14. Published a paper entitled **"An Effective Utilization of Optimal Deep Learning Model Based Student Performance Prediction,"** 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), October 8th to 9th 2021, IEEE publisher, pp 1-5, DOI: 10.1109/ ICAECA52838.2021.9675670.
15. Published a paper entitled **" An Energy-Efficient Adaptive Mayfly Optimization Algorithm Based Optimal Routing in Wireless Sensor Network for Military Application”**, 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), October 8th to 9th 2021, IEEE publisher, ISBN:978-1-6654-2830-9, DOI: 10.1109/ ICAECA52838.2021.9675489.

16. Published a paper titled "**An Efficient Gradient-SVM Fusion Model for Early Lung Cancer Diagnosis Using Feature Engineering and SMOTE**" in the 2025 International Conference on Computer, Electrical and Communication Engineering (ICCECE), IEEE, 2025. ISBN: 979-8-3315-1389-4. Published in IEEE Xplore. DOI: 10.1109/ICCECE61355.2025.10940405. Indexed in Scopus.
17. Published a paper titled "**A Survey on Scalable AI Models for Sentiment Analysis on Multimodal Social Media Data**" in the 3rd International Conference on Machine Learning and Autonomous Systems (ICMLAS 2026), Paper ID: ICMLAS-1269, 2026. Indexed in Scopus.

List of Book published:

1. Published a book "**Artificial Intelligence**", published by Notion Press, Chennai, First Edition : December 2023, ISBN :000-0000-51921-1.
2. Published in an E-book "Research Outlook, Innovations and Research Trends in Economics" Chapter, ISBN: 978-81-946660-3-5, entitled as "**Modern Education System in the Development of Students Skills**", Pg.No:131-133.

List of Edited Book Chapter:

1. Edited Book Chapter entitled "**Introduction to Teaching Models**", for the Book entitled "**A Handbook on Latest Trends in Online Learning**" published by DK International Research Foundation, ISBN: 978-93-90956-37-1, April 2021.
2. Edited Book Chapter entitled "**Adoption of e-learning**", for the Book entitled "**A Handbook on Latest Trends in Online Learning**" published by DK International Research Foundation, ISBN: 978-93-90956-37-1, April 2021.
3. Edited Book Chapter entitled "**Introduction to Flipped Classroom**", for the Book entitled "**A Handbook on Latest Trends in Online Learning**" published by DK International Research Foundation, ISBN: 978-93-90956-37-1, April 2021.
4. Edited Book Chapter entitled "**Role of Mobile Learning**", for the Book entitled "**A Handbook on Latest Trends in Online Learning**" published by DK International Research Foundation, ISBN: 978-93-90956-37-1, April 2021.

List of Reviewed Book Chapter:

1. Reviewed a chapter for the Book on Internet of Things (IOT) and Security with Block Chain,
Edited by Prof.K.Kaliraj ,Hon'ble Vice-Chancellor and Prof.T.Devi , Bharathiar University.