

S.No	Title of Paper	Name of the Journal, Volume/ page numbers, ISSN No.	Year of Publication
1.	An application of Swarm Intelligence for the Design of IIR Digital Filters	<i>International Journal of Swarm Intelligence</i> , Vol. 1, No. 1, pp. 3-18 [ISSN- 2049-4041]	June 2013
2.	An Optimal Design of IIR Digital Filter using Particle Swarm Optimization	<i>Applied Artificial Intelligence</i> , Vol. 27, No. 6, pp. 429-440 [ISSN 1087-6545]	Dec. 2013
3.	Implementation of Shortest Path for Networks topology using MATLAB	<i>International Journal of Information Technology and Knowledge Management</i> , Vol. 2, No.1, pp: 155-158. [ISSN 0973-4414]	June 2009
4.	Performance evaluation and optimization for Stock preparation system of a paper plant using GA	<i>International Journal of applied Engg. and research</i> , Vol. 4, No.3, pp:445-454. [ISSN 0973-4562].	June 2009
5.	Performance Analysis of Screening Unit in a Paper Plant Using Genetic Algorithm	<i>International Journal of Industrial and System Engg.</i> , Vol. 3, No.2, pp:140-155. [ISSN 1748-5037]	Aug. 2009
6.	Decision support system and performance evaluation of digesting system of paper plant	<i>Indian Journal of Management: Prabandhan</i> , Vol. 2, No.5, pp: 21-25. [ISSN 0973-8703]	Sept. 2009
7.	Availability Simulation Modeling & Performance optimization of the screening unit in a paper plant	<i>Journal of CPRI</i> , Vol. 6, No. 1, pp: 43-51. [ISSN 0973-0338]	Mar 2010
8.	Design of IIR digital filter using analog to digital mapping	<i>Journal of Neural Computing Systems</i> , Vol. 3, No. 1, pp: 51-55. [ISSN 0974-4401]	June 2010
9.	Ant colony based algorithm in MANETs	<i>Journal of Communication and Computers</i> , Vol. 7, No. 12, pp: 44-47. [ISSN 1548-7709]	Dec. 2010

10.	Comparison of various Communication routing protocols for WAN	<i>Journal of Advance Research in Computer Engg.</i> , Vol. 4, No. 2, pp: 175-179. [ISSN 0974-4320]	Dec. 2010
11.	IIR digital filter through Genetic Algorithm	<i>Journal of Advance Engg. Informatics</i> , Vol. 30, pp: 1796-1799. [ISSN 2229-712X]	Jan. 2011
12.	A GUI based design of digital filter using analog to digital mapping	<i>International Journal of Information Technology and Knowledge Management</i> , Vol. 4, No. 2, pp: 511-514. [ISSN 0973-4414]	June 2011
13.	Performance modeling and optimization for the stock preparation unit of a paper plant using genetic algorithm	<i>International Journal of Quality & Reliability Management</i> , Vol. 28, No. 6, pp: 688 - 703. [ISSN 0265-671X]	June 2011
14.	Parameter Optimization in Gray Level Image Enhancement Using PSO	<i>International Journal of Applied Engg. Research</i> , Vol. 6, No. 5, pp: 970-974. [ISSN 0973-4562]	June 2011
15.	Determining Optimum Coefficients of IIR digital filter using analog to digital mapping	<i>International Journal of Advances in Computer Science and Information Tech.</i> , Vol. 1, No. 1, pp: 19-23. [ISSN 2218-4638]	Sept. 2011
16.	Shortest path using PSO in wireless sensors	<i>Yamuna Journal of Tech. & Business Research</i> , Vol. 1, No.1, pp: 71-77. [ISSN 2250-3072]	Dec. 2011
17.	FPGA Prototyping of Hardware Implementation of CORDIC Algorithm	<i>International Journal of Scientific and Engg. Research</i> , Vol. 3, No.1, pp: 1-6. [ISSN 2229-5518]	Jan. 2012
18.	Performance Analysis of WDM PON at 10 Gb/S	<i>International Journal of Engg. and Advance Technology</i> , Vol. 1, No.3, pp: 213-216. [ISSN 2249-8958]	Feb. 2012
19.	Application of PSO for design of IIR digital filters	<i>International Journal on Recent Trends on Engg. and Technology</i> , Vol. 7, No. 2, pp: 99-102. [ISSN 2158-5563]	Mar. 2012
20.	Determine Optimal Coefficients of IIR Digital Filters using Simulated Annealing	<i>International Journal of Computer Applications</i> , Vol. 43, No. 10, pp: 36-40. [ISSN 6143-8389]	April 2012
21.	Effects of ROUT optimization on WSN using GUI of PSO	<i>International Journal on Advanced Engg. and Tech. Research</i> , Vol. 1, No. 1, pp:1-6. [ISSN 2278-7070]	May 2012
22.	Genetic Algorithm for IIR digital filter design	<i>Journal of Signal and Information Processing</i> , Vol. 3, No. 3, pp: 286-292. [ISSN 2159-4481]	Aug. 2012

23.	Technology Roadmap of CORDIC Algorithm	<i>International Journal of Engg., Business and Enterprise apps.</i> , Vol. 2, No.1, pp: 14-21. [ISSN 2279-0039]	Nov. 2012
24.	A review on various wavelength Assignments algorithms for WDM network	<i>Yamuna Journal of Tech. & Business Research</i> , Vol. 3, No.1, pp: 97.1-97.7. [ISSN 2250-3072]	July 2013
25.	Hybridization techniques for compression of hyperspectral images: a review	<i>Yamuna Journal of Tech. & Business Research</i> , Vol. 3, No.1, pp: 59.1-59.10. [ISSN 2250-3072]	July 2013
26.	Method & Implementation to Stop Sim Tool Kit Application Messages	<i>International Journal of Advanced Research in Computer & Comm. Engg.</i> Vol. 5, No. 6, pp. 113-118, 2016. [ISSN 2278-1021]	June. 2016
27.	Optimization using swarm intelligence for effective communication	<i>Computer Society of India Communications.</i> Vol. 42, No. 12, pp. 113-118, 2019. [ISSN 0970-647X]	March 2019
28.	Novel approach for finding pitch markers in Speech signal using ensemble empirical Mode decomposition	<i>International Journal of Advance Research in Science and Engg.</i> Vol. 4, No. 1, pp. 346-354, Jan. 2015. [ISSN 2319-8354]	Jan. 2015
29.	Simulation of Infinite-Impulse-Response filters with hybrid SAGA algorithm	<i>Solid State Technology</i> Vol. 63, No. 6, pp. 15721-732, Dec. 2020. [ISSN 0038-111X]	Dec. 2020
30.	Deep CNN-WCA and FLICM image segmentation for automatic detection and classification of COVID-19 diseases	<i>PalArch's Journal of Archaeology of Egypt/ Egyptology</i> , Vol. 17, No. 9, pp. 2225-35, Dec. 2020. [ISSN 1567-214X]	Dec. 2020
31.	Comparative BER Performance of PSK based modulation Techniques under Multipath Fading	<i>Advances in Applied Science Research</i> , Vol. 2 No. 4, pp. 521-527 [ISSN 0976-8610]	Dec.2011
32.	Mathematical Modeling and Performance Optimization for the Paper Making System of a Paper Plant	<i>Jordan Journal of Mechanical and Industrial Engineering</i> , Vol. 4 No. 4, pp. 487-494. [ISSN 1995-6665]	Sept.2010

33.	Optimization using Bacterial Foraging based algorithm for proficient communication	<i>Psychology and Education</i> , Vol. 58 No. 1, pp. 5029-34. [ISSN 0033-3077]	Jan.2021
34.	Comparison of Delaunay algorithm and crust algorithm for the Optimization of Surface Reconstruction System	<i>Advances in Applied Science Research</i> , Vol. 2 No. 6, pp. 483-487. [ISSN 0976-8610]	Dec.2011
35.	An Adaptive Image Enhancement Technique Preserving Brightness Level Using Gamma Correction	<i>Advance in Electronic and Electric Engineering</i> , Vol. 3, No.9, pp: 1097-1108. [ISSN 2231-1297] .	2013
36.	Compression and Classification of Hyperspectral Images using an Algorithm based on DWT and NTD	<i>Advance in Electronic and Electric Engineering</i> , Vol. 3, No.4, pp: 447-456. [ISSN 2231-1297] .	2013
37.	Simulated Annealing for Optimal IIR Digital Filters	<i>Webology</i> , Vol. 18, No.4, pp: 3118-3128. [ISSN 1735-188X]	July 2021
38.	Butterworth IIR digital filter design using ADM	<i>Aryabhatta Journal of Mathematics & Informatics</i> , Vol. 8, No. 2, pp: 327-332. [ISSN 2394-9309]	Dec 2016
39.	Mathematical modeling of Chebyshev IIR digital filter design using ADM	<i>Aryabhatta Journal of Mathematics & Informatics</i> , Vol. 9, No. 2, pp: 373-380. [ISSN 2394-9309]	Dec. 2017

40.	Graphical User Interface (GUI) for Quadratic Assignment Problem (QAP)	<i>Webology</i> , Vol. 15, No.2, pp: 209-216. [ISSN 1735-188X]	July 2018
41.	Development of Elliptic IIR digital filter design through ADM	<i>International Journal of Research & Analytical Reviews</i> , Vol. 10, No. 3, pp: 680-685. [ISSN 2349-5138]	August 2023
42.	Optimal Discrete Coefficients of IIR Digital filters using GASA algorithm	<i>Journal of Harbin Engineering University</i> , Vol. 44, No. 9, pp: 1061-69. [ISSN 1006-7043]	Sept. 2023
43.	A Comparison of Genetic algorithm and swarm intelligence-based algorithm for coefficients of IIR high pass digital filters	<i>African Journal of Biological Sciences</i> , Vol.6, No.1, pp. 310-18. [ISSN No. 2663-2187]	Jan 2024
44.	IIR high pass digital filters design using hybrid optimization technique	<i>International Journal of Research & Analytical Reviews</i> , Vol. 11, No.3, pp: 242-49, July 2024. [ISSN 2349-5138]	July 2024
45.	Assessment of Groundwater Quality from Hand-Pumps: A Physico Chemical Investigation	<i>Journal of Chemical Health Risks</i> , Vol. 15, No.2, pp: 418-21, March 2025 [ISSN 2251-6727]	March 2025