

List of Publications

2018-19

S.No.	Category	Number
1	SCIE Journals	3
2	Scopus Journals	21
3	Other International Journals	32
4	National Journals	1
5	International Conferences	4
6	National Conferences	0
7	Book Chapters	5

INTERNATIONAL JOURNALS:

A. SCIE Journals

1. N.VIJAYANAND, M.siva kumar and R.Srinivasa Rao, “A novel reduced order modeling of interval system using soft computing optimization approach”, Proceedings of the Institution of Mechanical Engineers, Part I: Journal of Systems and Control Engineering, Volume 232, Issue 7, PP:879-894, August 2018, ISSN: 0959-6518, Impact Factor : 0.988, <https://doi.org/10.1177/0959651818766811> (**UGC, SCIE & SCOPUS**)
2. KARUNAKAR PATCHALA, Y.Raja Rao, A.M Prasad, “EBG Structured Metamaterial Inspired Wideband MIMO Antenna for Mutual Coupling Reduction”, Revista de la Facultad de Agronomia de la Universidad del Zulia, 2018, 34, PP: 397,404, ISSN: 0378-7818, SJR: 0.15 (**SCIE, Scopus & UGC indexed**)
3. K.C. DEEKSHIT KOMPPELLA, VENU GOPALA RAO MANNAM, Srinivasa Rao Rayapudi, “Bearing fault detection in a 3 phase induction motor using stator current frequency spectral subtraction with various wavelet decomposition techniques”, Ain Shams Engineering Journal, <http://dx.doi.org/10.1016/j.asej.2017.06.002> , ISSN: 2090-4479, Volume 9, Issue 4, December 2018, Pages 2427-2439, SCImago Journal Rank (SJR): 0.589 (**SCIE & Scopus Indexed**).

B. Scopus Journals

1. RAVI KUMAR M, S.Satya Narayana & Ganesh Vulasala, “Advanced sliding mode control for solar PV array with fast voltage tracking for MPP algorithm”, International Journal of Ambient Energy, ISSN: 0143-0750, Volume 41, Issue 10, Pages 1192-

1200, doi.org/10.1080/01430750.2018.1492448, July 2018. **(ESCI & Scopus Indexed)**

2. KUMAR CHERUKUPALLI, PADMANABHA RAJU CHINDA, Sujatha Peddakotla, “Security Constrained Optimal Power Flow by Hybrid SATS Algorithm”, Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 09-Special Issue, 2018, ISSN 1943-023X, PP: 942-951. **(UGC & Scopus Indexed)**, SJR:0.11
3. K.LENIN, “Reduction of real power loss by upgraded red shaver swarm optimization algorithm”, Advances in modelling and analysis C, Volume 73, no.3, PP:84-87, September 2018, ISSN: 1240-4535 Impact Factor 2.302 **(Scopus Indexed)**
4. Suman Machavarapu, M. VENU GOPALA RAO, Venkata R.R.Pulipaka, “Improvement of multi-machine power system stability using artificial intelligent power system stabilizer” Modelling, Measurement and Control A, Vol 91, No.3, September 2018, PP: 145-151, ISSN: 1259-5985, AMSE Press, SJR: 0.330. **(UGC & Scopus Indexed)**
5. Valentina Stephen, P.MUTHUKUMAR, L.Padmasuresh, “Optimal Fuzzy Logic for Hybrid Power Distribution in Pv-Wind Turbine System”, International Journal of Engineering & Technology, ISSN: 2227-524X, 7 (2.33), 2018, PP: 1313-1318, Impact factor : 0.102 **(Scopus Indexed)**
6. T.Baldwin Immanuel, P.MUTHUKUMAR, C.Gnanavel, M.Rajavelan, M.Marimuthu “Transformer less 1 Φ Inverter for Grid-Connected PV Systems with an Optimized Control” International Journal of Engineering & Technology, ISSN: 2227-524X, 7 (3.34), 2018, PP: 217-220, Impact factor : 0.102 **(Scopus Indexed)**
7. T.Baldwin Immanuel, P.MUTHUKUMAR, M.Rajavelan, C.Gnanavel, N.Veeramuthulingam “An Evaluation of Bidirectional Converter Topologies for Ups Applications” International Journal of Engineering & Technology, ISSN: 2227-524X, 7 (2.33), 2018, PP: 1305-1309, Impact factor : 0.102 **(Scopus Indexed)**
8. C.Gnanavel, M.Rajavelan, P.MUTHUKUMAR, T.Baldwin Immanuel “A Performance Investigation of a Single Phase Multilevel Inverter Fed Nonlinear Loads for Solar PV Applications”, International Journal of Engineering & Technology, ISSN: 2227-524X, 7 (3.24), 2018, PP: 388-391, Impact factor : 0.102 **(Scopus Indexed)**
9. M.Rajavelan, C.Gnanavel, T.Baldwin Immanuel, P.MUTHUKUMAR, “Improved Sensitivity of SPR Instrument Using Multiple Reflection Technique” International

- Journal of Engineering & Technology, ISSN: 2227-524X, 7 (2.33), 2018, PP: 1310-1312, Impact factor : 0.102 (**Scopus Indexed**)
10. Satyanarayana Vanapalli, M. VENU GOPALA RAO, “Comparison of Balancing of DC Link Voltage of Unified Power Quality Conditioner Controlled with Intelligent Control Techniques”, Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08-Special Issue, 2018, ISSN 1943-023X, PP: 481-487. (**UGC & Scopus Indexed**), SJR:0.11
 11. K.LENIN, “Dwindling of Real Power Loss by Enriched Big Bang-Big Crunch Algorithm”, IAES International Journal of Artificial Intelligence (IJ-AI), Volume 7, no.4, PP:190-196, ISSN:2252-8938, December 2018, Impact Factor : 4.128 (**Scopus Indexed**)
 12. K.LENIN, “Real Power loss diminution by camelopard optimization algorithm”, European Journal of Electrical Engineering, Volume 20, no. 5-6, ISSN: 2103-3641 PP: 601-616, 2018 (**UGC & Scopus Indexed**)
 13. K.LENIN, “Reduction of real power loss by white male deer mating based optimization algorithm”, Information Systems Engineering, Volume 23/6, 2018, PP:61-68, ISSN: 1633-1311 (**Scopus Indexed**)
 14. K.LENIN, “Brachytrupes Algorithm for Solving Optimal Reactive Power Problem”, Ingenierie des Systemesd’Information, Vol.24, No.1, ISSN: 1633-1311, February 2019, PP:43-46 (**Scopus Indexed**)
 15. K.LENIN, “Shrinkage of real power loss by enriched brain storm optimization algorithm”, IAES International Journal of Artificial Intelligence (IJ-AI), Vol.8, No. 1, March 2019, PP: 1-6, ISSN: 2252-8938. (**Scopus Indexed**)
 16. S.Rajasekaran, R.Anand, P.MUTHUKUMAR, Digital Controller based Multi motor drive using SPWM, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-8 Issue-5S, PP: 652-655, March 2019 (**Scopus Indexed**)
 17. D. RAGALEELA & S. Sivanagaraju, “Fuel Cost Minimization and Line Loadability Enhancement Using PMBCA Evolutionary Technique”, International Journal of Ambient Energy, Volume 42, Issue 12, PP: 1367-1375, DOI: 10.1080/01430750.2019.1608857, ISSN: 0143-0750, May 2019, SJR: 0.41 (**UGC, Scopus Indexed & ESCI**)
 18. NARASIMHA PRASAD TULASI, Lakshmi Devi Aithepalli, “Droop Control of Bi-Directional DC-DC Converter for Improved Voltage Regulation and Load Sharing in

DC Microgrid”, International Journal of Intelligent Engineering and Systems, ISSN: 2185-3118, Vol: 12, No. 3, 2019, PP: 228-243, impact factor :0.19 (**UGC & Scopus Indexed**)

19. KANAGASABAI LENIN, “True Power Loss Reduction by Chemical Reaction Optimization Algorithm”, European Journal of Electrical Engineering, Vol. 21, No. 2, April 2019, PP: 189-192, doi.org/10.18280/ejee.210209, ISSN: 2103-3641, Impact Factor: 0.117 (**Scopus Indexed**)
20. Sreeja P, Dr.L.Padmasuresh, Dr. P.MUTHUKUMAR, “Amassed Simulation Edification of Modelsim and MATLAB by using Third Harmonic Injected Sine PWM Generation with Inverted Sine Carrier for Three Phase Inverter”, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-7 Issue-6S2, April 2019, PP: 406-413 (**Scopus Indexed**)
21. RAGALEELA DALAPATIRAO, Sivanagaraju Sirigiri, “Coordinated Control of FACTS Devices with Evolutionary Optimization Technique”, International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249-8958, Volume-8 Issue-5, June 2019, PP: 1700-1704, Impact Factor: 5.97 (**Scopus Indexed**)

C. Others

1. Y.Nandini, Dr. CH.PADMANABHARAJU, “Energy Management In Microgrid”, Journal of Emerging Technologies and Innovative Research (JETIR), Volume 5, Issue 7, July 2018, ISSN-2349-5162, PP: 628-634. Impact Factor: 5.87 (**UGC**)
2. Cheeli Rama Krishna, J.HEMA LATHA, “Switching Angle Estimation and THD Minimization in the Grid-Connected Multilevel Inverter”, Journal of Emerging Technologies and Innovative Research (JETIR), Volume 5, Issue 7, July 2018, ISSN-2349-5162, PP: 617-634. Impact Factor: 5.87 (**UGC**)
3. Doppala.Bhargavi, Dr. M.V.RAMESH, “Simulation of Grid Connected Photovoltaic Power Generation Based on PSCAD/EMTDC”, Journal of Emerging Technologies and Innovative Research (JETIR), Volume 5, Issue 8, July 2018, ISSN-2349-5162, PP: 582-634. Impact Factor: 5.87 (**UGC**)
4. J. Manopriya, T.NARASIMHA PRASAD, “A grid connected hybrid system with a transformer couple by directional DC-DC converter”, International Journal of Computer Sciences and Engineering (IJCSE), Volume 6, Issue 7, July 2018, E-ISSN : 2347-2693, PP: 1379 – 1385. Impact Factor : 2.638 (**UGC**)
5. CH. Ravi Teja, Y. VISHNUMURTHULU, “Design and simulation of solar wind hybrid power generation system”, International Journal of Computer Sciences and

- Engineering, (IJCSSE), Volume 6, Issue: 7, July 2018, E-ISSN: 2347-2693, PP: 786 - 792. Impact Factor : 2.638 (UGC)
6. S.L.D.Saisree, D.RAGALEELA, "Enhancement of Voltage and power Flow by Series FACTS devices Using TCSC and SSSC", International Journal of Research and Analytical Reviews (IJRAR), August 2018, Volume 5, Issue 3, (E-ISSN 2348-1269, P-ISSN 2349-5138), PP: 835-841, Impact Factor: 5.75 (UGC)
 7. Vamsi Krishna, N. VIJAYA ANAND "Design of controller for the single area load frequency control in interval model" Journal of Emerging Technologies and Innovative Research (JETIR), August 2018, Volume 5, Issue 8, ISSN-2349-5162, PP:1053 – 1058, Impact Factor : 5.87 (UGC)
 8. P. Jyothinadh, Dr. M. VENUGOPALA RAO "Improvement of voltage by succeeding grid faults with deployment of ITC plying STATCOM" International Journal of Research and analytical reviews (IJRAR), August 2018, Volume 5, issue:3, E-ISSN 2348 – 1269, P-ISSN 2349 – 5138, PP: 504 – 513, Impact Factor : 5.75 (UGC)
 9. M.V.RAMESH, T.SRINIVASA RAO, "Simulation of Solar Based Vehicle to Grid Technology in PSCAD" International Journal of Research and Analytical Reviews (IJRAR), August 2018, Volume 5, Issue 4, PP: 655-664, (E-ISSN 2348-1269, P-ISSN 2349-5138), Impact Factor: 5.75 (UGC)
 10. K.LENIN, "Decrease of Real Power Loss by Adapted Algorithm", International Journal of Research – Granthaalayah, 6(8), 41-50, August 2018, ISSN: 2350-0530 ICV (Index Copernicus Value) 2016: 83.75, IF: 4.321 (Cosmos Impact Factor), 3.136 (I2OR), InfoBase Index IBI Factor 3.86
 11. K.LENIN, "Reduction of True Power Loss by Improved Algorithm", International Journal of Research – Granthaalayah, 6(8), 105-113, August 2018, ISSN: 2350-0530 ICV (Index Copernicus Value) 2016: 83.75, IF: 4.321 (Cosmos Impact Factor), 3.136 (I2OR), InfoBase Index IBI Factor 3.86
 12. K.LENIN, "Lessening of Actual Power Loss By Modified Algorithm", International Journal of Research – Granthaalayah, 6(8), 159-167, August 2018, ISSN: 2350-0530 ICV (Index Copernicus Value) 2016: 83.75, IF: 4.321 (Cosmos Impact Factor), 3.136 (I2OR), InfoBase Index IBI Factor 3.86
 13. P.SESHU KUMAR, J.HEMALATHA, M.HEMANTH SAI, "Multilevel Inverter configuration with Boost converters in a Photovoltaic system using MATLAB/SIMULINK", International Journal for Research in Engineering Application & Management (IJREAM), Volume 04, Issue 06, ISSN: 2454-9150, September 2018, Impact Factor : 5.646 (UGC)

14. V. HARIKA, G. MADHAVI, "Optimal power flow with STATCOM using Particle swarm Optimization" International Journal for Research in Engineering Application & Management (IJREAM), Volume 04, Issue 06, ISSN: 2454-9150, September 2018, Impact Factor : 5.646 (UGC)
15. G. MADHAVI, V. HARIKA, "Implementation of Social Group Optimization to Economic Load Dispatch Problem", International Journal of Applied Engineering Research, ISSN 0973-4562, Volume 13, Number 13, (2018), pp. 11195-11200, © Research India Publications, Publisher Impact Factor : 2.38 (UGC)
16. V.SAI GEETHA LAKSHMI, M.DEVIKA RANI, "Modelling and Simulation of Microgrid with PV, DFIG Wind farm and Diesel Generator Using PSCAD/EMTDC", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, PP: 583-587, Volume 5, Issue 10, October 2018 , Impact factor 5.87 (UGC)
17. M.HEMANTH SAI, B.BALA SAI BABU and B.BADDU NAIK, "An Estimation Of Wind Energy Distribution And Optimal Size Of Wind Turbine Rotor ", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:2349-5162, Vol.5, Issue 10, page no.455-461, October-2018, Impact factor 5.87 (UGC)
18. B.BALA SAI BABU, B.BADDU NAIK and P.SESHU KUMAR, "Detection And Classification Of High Impedance Faults In Transmission Lines Using Discrete Wavelet Transforms", International Journal of Research And Analytical Reviews (IJRAR), Volume 5, Issue 4, PP: 772-778, E-ISSN 2348-1269, P- ISSN 2349-5138, October 2018, Impact Factor: 5.75 (UGC)
19. M.DEVIKA RANI, V.SAI GEETHA LAKSHMI "Comparative Study of Reduced Ripple DC-DC converters for Various Applications", International Journal of Computer Sciences and Engineering (IJCSE), E-ISSN : 2347-2693, PP: 5-10, Volume 6, Issue 10, October 2018, Impact Factor: 3.022 (UGC)
20. K.BHAVANA, B.LALITHA, K.LALITHA, "Voltage Stability Using FACTS Controllers", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, PP: 658-663, Volume 5, Issue 11, November 2018 , Impact factor 5.87 (UGC)
21. B.MOHAN, M.V.RAMESH, T.SRINIVASA RAO, " Electrical Based Seed Sowing Machine", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, PP: 649-655, Volume 5, Issue 11, November 2018 , Impact factor 5.87 (UGC)
22. K.BHAVANA, B.LALITHA, K.LALITHA, "Bus Detection Module For Blind People", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:

- 2349-5162, PP: 778-790, Volume 5, Issue 11, November 2018 , Impact factor 5.87
(UGC)
23. B.Mabu Sarif, D.V.Ashok Kumar, M. VENU GOPALA RAO, “Comparison Study of PID Controller Tuning using Classical/Analytical Methods”, International Journal of Applied Engineering Research, Volume 13, Number 8, ISSN 0973-4562, PP: 5618-5625, Research India Publications, 2018, Impact Factor : 2.38 **(UGC)**
 24. Satyanarayana Vanapalli, M. VENU GOPALA RAO, “Adaptive Neuro – Fuzzy Interference Based Control applied to UPQC for Power Quality Improvement” Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, PP: 638-645, Volume 5, Issue 12, December 2018 , Impact factor 5.87 **(UGC)**
 25. N.Rajesh Babu, M. VENU GOPALA RAO, R.Srinivasa Rao, “Photo Voltaic Cell Fed Three-Phase Switched Capacitor Multi Level inverter Using multiple DC-Links for performance Improvement”, International Journal of Scientific research and Review, ISSN: 2279-543X, PP: 18-33, Volume 7, Issue 1, 2018, Impact Factor : 6.1 **(UGC)**
 26. B.BALAJI, T.Kranti Kiran, “ Lithium-Ion battery energy storage based STATCOM for grid interconnected wind power system”, Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, PP: 778-790, Volume 6, Issue 3, March 2019 , Impact factor 5.87 **(UGC)**
 27. SWATHI.R, Sreenivas Alluri, “ Automatic Image Registration by Using Optimization Algorithm” Journal of Applied Science and Computations, PP: 123-128, ISSN NO: 1076-5131, Volume 6, Issue 3, March 2019, Impact Factor - 5.8**(UGC)**
 28. M.SESHU, K.BHAVANA, B.LALITHA, “Closed Loop Current Controlling Techniques For BLDC Motor Speed Control” Journal of Emerging Technologies and Innovative Research (JETIR), PP: 391-399, April 2019, Volume 6, Issue 3, ISSN: 2349-5162 **(UGC)**
 29. J.HEMALATHA, Dr. Basavaraja Banakara, “Simulation & Analysis of Various Levels Of Diode Clamped Multilevel Inverter”, Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, PP: 707-712, Volume 6, Issue 6, June 2019 , Impact factor 5.87 **(UGC)**
 30. G. MADHAVI, V. HARIKA, “Hardware Implementation of Effective Programmable Load Shedding Using Microcontroller” Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, PP: 737-741, Volume 6, Issue 6, June 2019 , Impact factor 5.87 **(UGC)**

31. P.Sowjanya, M.V. RAMESH, “Grid Interfacing PV Controlled Motor With Energy Storage”, Journal of Emerging Technology and Innovative Research (JETIR), ISSN: 2349-5162, Volume-6, Issue-6, PP: 439-445, June 2019, Impact factor 5.87 (UGC)
32. Raja Sekhar Reddy, Dr. P.MUTHUKUMAR, “Nine Level Multilevel Inverter by Using MATLAB”, Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, PP: 611-617, Volume 6, Issue 6, June 2019 , Impact factor 5.87 (UGC)

NATIONAL JOURNALS:

1. RAGALEELA.D and Sivanagaraju. S, “Description and Examination Of Optima Power Flow Using Traditional and Stochastic Optimization Techniques”, i-manager’s Journal on Power Systems Engineering, Volume 6, Issue 2, ISSN: 2321-7499, May - July 2018, PP: 12-19. Impact Factor 0.400.

INTERNATIONAL CONFERENCES:

A. Scopus conferences

1. Suresh Kumar Sudabattula, Kowsalya M, Velamuri Suresh and RAVI KUMAR MELIMI, “Optimal Allocation of Renewable Distributed Generators and Capacitors in Distribution System using Dragonfly Algorithm”, IEEE International Conference on Intelligent Circuits and Systems, ISBN: 978-1-5386-6483-4/18, October 2018, PP: 393-396, DOI 10.1109/ICICS.2018.00086. (**Scopus Indexed**)
2. A.V.J.S.Praneeth, N.VIJAYAANAND, K.S.Sandhu, Sheldon S Williamson, “Analysis and Modelling of Three winding Stator Interturn Fault on Induction Machine for Electric Vechicle Application” 8th International Conference on Power Electronics Drives and Energy systems (PEDES) held at IIT Madras, Chennai between 18th - 21st December 2018, PP: 1-6, ISBN: 978-1-5386-9316-2/18/2018 IEEE. (**Scopus Indexed**)

B. Others

1. Dr. K.LENIN, “Reduction of True Power Loss by Improved Teaching Learning Based Optimization Algorithm”, 4th Virtual International Conference on Science, Technology and Management in Energy, October 25-26, 2018, The Conference is organized under the patronage of the Ministry of Education, Science and Technological Development of the Republic of Serbia & Research and Development Center ALFATEC in cooperation with Mathematical Institute of the

Serbian Academy of Sciences and Arts and Complex Systems Research Centre
COSREC, PP: 261-266, ISBN 978-86-80616-03-2.

<https://energetics.cosrec.org/wp-content/uploads/2019/03/eNergetics-2018.pdf>

2. Dr. KKC DEEKSHIT presented a paper titled: “Fault Diagnosis in Induction motor using MCMA by Park Os transformation and Wiener Filter based cancellation”, International Conference on Artificial Intelligence , Smart grid and Smart City Applications at PSG college of Tech, Coimbatore during 4th-5th January 2019.

BOOK CHAPTERS:

A. Scopus Indexed

1. Dr. CH.PADMANABHA RAJU, D. Dhanalakshmi, “Selection of Battery Size by Using Power Flow Decision Program for Microgrids”, Smart Innovation, Systems and Technologies (SIST), Springer, Singapore, volume 104, pp 581-590, 2019, P-ISBN: 978-981-13-1920-4, doi.org/10.1007/978-981-13-1921-1_57 (**Scopus Indexed**).
2. D. RAGALEELA and Dr.S.Sivanaga Raju “A New Approach for Line Loadability Enhancement in Restructured Power System”, Smart Innovation, Systems and Technologies (SIST), Springer, Singapore, volume 104, pp 495-503, 2019, P-ISBN: 978-981-13-1920-4, doi.org/10.1007/978-981-13-1921-1_49 (**Scopus Indexed**).
3. K.LENIN, “Enhanced Red Wolf Optimization Algorithm for Reduction of Real Power Loss”, Smart Innovation, Systems and Technologies (SIST), Springer, Singapore, volume 104, pp 45-51, 2019, P-ISBN: 978-981-13-1920-4, doi.org/10.1007/978-981-13-1921-1_5 (**Scopus Indexed**).
4. Gnanavel C., Immanuel T.B., MUTHUKUMAR P., Lekshmi Kanthan P.S. “Investigation on Four Quadrant Operation of BLDC MOTOR Using Spartan-6 FPGA”. In: Zelinka I., Senkerik R., Panda G., Lekshmi Kanthan P. (eds) Soft Computing Systems. ICSCS 2018. Communications in Computer and Information Science, vol 837, September 2018. Springer, Singapore. https://doi.org/10.1007/978-981-13-1936-5_77, pp 752-763, Print ISBN 978-981-13-1935-8 (**Scopus Indexed**).
5. MUTHUKUMAR P., Lekshmi Kanthan P.S., Baldwin Immanuel T., Eswaramoorthy K. “FPGA Performance Optimization Plan for High Power Conversion” In: Zelinka I., Senkerik R., Panda G., Lekshmi Kanthan P. (eds) Soft Computing Systems. ICSCS 2018. Communications in Computer and Information Science, vol 837. Springer, Singapore. https://doi.org/10.1007/978-981-13-1936-5_52, Print ISBN 978-981-13-1935-8, pp 491-502, September 2018. (**Scopus Indexed**).