

List of Publications

2019-20

S.No.	Category	Number
1	SCIE Journals	3
2	Scopus Journals	17
3	Other International Journals	44
4	National Journals	0
5	International Conferences	7
6	National Conferences	0
7	Book published	1

INTERNATIONAL JOURNALS:

A. SCIE Journals :

1. R. SWATHI, Alluri Srinivas, “An Improved Image Registration Method Using E-SIFT Feature Descriptor with Hybrid Optimization Algorithm”, Journal of the Indian Society of Remote Sensing, Volume 48, pp: 215–226 February 2020, <https://doi.org/10.1007/s12524-019-01063-w>, Springer India, ISSN: 0255-660X, Impact Factor: 0.997 (**SCIE & Scopus Indexed**).
2. P. MUTHUKUMAR, L. Padmasuresh, K. Eswaramoorthy & S. Jeevananthan, “Critical analysis of random frequency inverted sine carrier PWM fortification for half-controlled bipolar three-phase inverters”, Journal of Power Electronics, Volume 20, Number 2, PP: 479–491, ISSN: 1598-2092, March 2020. DOI10.1007/s43236-020-00034-6 (**SCIE and Scopus Indexed**)
3. M.Premkumar, C.Kumar, A.ANBARASAN, R.Sowmya , “A novel non-isolated high step-up DC–DC boost converter using single switch for renewable energy systems” Springer - Electrical Engineering, ISSN: 1432-0487, Volume 102, PP: 811–829 // <https://doi.org/10.1007/s00202-019-00904-8>, June 2020, Impact factor: 1.180. (**SCIE indexed & Scopus Indexed**)

B. Scopus Journals

1. ANBARASAN.A, Kumar.C, “Effect of Distributed Generation And STATCOM In Multi-Machine System For Real Power Minimization” International Journal of Scientific & Technology Research, Volume 8, Issue 07, ISSN: 2277-8616, PP: 579-582, July 2019, Impact Factor: 7.466 (**Scopus Indexed**).

2. Sreeja P, L.Padmasuresh, P.MUTHUKUMAR,” Fpga Based Random Pulse Width Modulation for Three Phase VSI”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-2S6, July 2019, pp. 581-589, Impact Factor: 5.92. **(Scopus Indexed)**
3. M.Suman, M.VENU GOPALA RAO, P.V.Ramana Rao, “ANN Based SVC FACTS Controller to Enhance Voltage Stability of Multi-Machine Power System”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-10, PP: 381- 387, August 2019, Impact Factor: 5.54 **(Scopus Indexed)**.
4. PADMANABHA RAJU CHINDA, “Solar Agro Sprayer”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-11, PP: 245-249 September 2019, Impact Factor: 5.54 **(Scopus Indexed)**.
5. M.V. RAMESH, P.Sowjanya, “IoT Based Energy Meter with Theft Detect”, International Journal of Recent Technology and Engineering (JETIR), ISSN: 2277-3878, Volume-8 Issue-2S10, PP: 444-448, September 2019 **(Scopus Indexed)**.
6. M.V. RAMESH, P. Sowjanya, V.S.G.LAKSHMI, “PV System Powered BLDC Motor with Energy Storage”, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8, Issue-6S3, September 2019, PP: 881-883, Impact Factor: 5.97 **(Scopus Indexed)**.
7. N.Kalpana, M.VENU GOPALA RAO, “Optimal Allocation of UPFC to Minimize Real Power Losses using NSPSO Algorithm”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-12, October 2019, PP: 924-931, Impact Factor: 5.54 **(Scopus Indexed)**.
8. M.V.RAMESH, G.Vijay Kumar, “Design and Fabrication of Solar Powered Autonomous Seed Sowing Vehicle”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-1, PP: 4026-4032, November 2019, Impact Factor: 5.54 **(Scopus Indexed)**.
9. LENIN KANAGASABAI, “Diminution of real power loss by novel Galapagos Penguin Algorithm”, Heliyon, 5, e03001, December 2019, PP: 1-5, ISSN: 2405-8440, <https://doi.org/10.1016/j.heliyon.2019.e03001>. **(ESCI & Scopus Indexed)**.

10. KARUNAKAR PATCHALA, Y. Raja Rao, A.M. Prasad, “Triple band notch compact MIMO antenna with defected ground structure and split ring resonator for wideband applications”, *Heliyon* 6, e03078, January 2020, PP: 1-7, ISSN: 2405-8440 (**ESCI & Scopus Indexed**)
11. RAGALEELA DALAPATI RAO, PADMANABHA RAJU CHINDA, “Application of P-Q Vector Diagram Method for Reliving overloads in Restructured Power Networks”, *International Journal of Advanced Science and Technology*, March 2020, Vol.29, No.3, PP: 4781 – 4790, Impact factor: 0.13, ISSN: 2005-4238. (**Scopus Indexed**).
12. HEMANTH SAI MADUPU, VIJAYAANAND NIDUMOLU, RAGALEELA DALAPATI RAO and PADMANABHA RAJU CHINDA, “Energy Monitoring Using IOT”, *International Journal of Advanced Science and Technology*, March 2020, Vol.29, No.3, PP: 7259 - 7266, ISSN: 2005-4238. Impact factor: 0.13 (**Scopus Indexed**).
13. N.VIJAYA ANAND, RAGALEELA DALAPATI RAO and PADMANABHA RAJU CHINDA, “Hybrid Optimal Approximation of MIMO System”, *International Journal of Control and Automation*, Vol. 13, No. 2, March 2020, PP. 723 – 731, Impact factor: 0.13, ISSN: 2005-4297(**Scopus Indexed**).
14. PADMANABHA RAJU CHINDA, B.Varshini, B.Harsha Naga Karthik, Ch.Venkata Rajesh Kumar, G.Manoja, “Energy Management in Smart Grid with Various Load Patterns”. *International Journal of Advanced Science and Technology*, May 2020, Vol. 29 No. 05, PP: 3257 – 3265, Impact factor: 0.13, ISSN: 2005-4238. (**Scopus Indexed**).
15. M.V. Satyanarayana, PADMANABHA RAJU CHINDA, RAGALEELA DALAPATI RAO, Kunapareddy Sai Dikshit, Mohammad Sameer, “ Architecture and Formation of Unmanned Ground Vehicle”, *Journal of Critical Reviews*, Vol 7, Issue 12, 2020, ISSN- 2394-5125, PP: 451-455, doi.org/10.31838/jcr.07.12.81 (**Scopus Indexed**)
16. J HEMA LATHA, Basava Raja Banakara, “Analysis of Multilevel Inverter With Reduced Number Of Switches Fed From Photovoltaic System Through Boost Converter”, *Journal of Critical Reviews*, Vol 7, Issue 14, June 2020, ISSN- 2394-5125, PP: 331-336, doi: 10.31838/jcr.07.14.60 (**Scopus Indexed**)
17. K.LENIN, “Timber Wolf Optimization Algorithm for Real Power Loss Diminution”, *Journal of Automation, Mobile Robotics and Intelligent Systems*, volume 14, No1, pp 24-29, 2020, ISSN 2080-2145. DOI: 10.14313/JAMRIS/1-2020/3 (**Scopus Indexed**)

C. Others

1. K.LENIN, "Tailored flower pollination (TFP) algorithm for diminution of real power loss", *International Journal of Informatics and Communication Technology (IJ-ICT)* Vol.8, No.2, August 2019, pp. 94~101 ISSN: 2252-8776, DOI: 10.11591/ijict.v8i2.PP: 94-101
2. K.LENIN, "Contest of strength game-based algorithm for decline of active power loss", *International Journal of Computational Systems Engineering*, 2019, Vol.5, No.4, PP:211 – 217, ISSN: 2046-3405, 10.1504/IJCSYSE.2019.101709
3. K.LENIN, "Active power loss reduction by opposition based kidney search algorithm", *International Journal of Advances in Applied Sciences (IJAAS)* Vol. 8, No. 3, September 2019, PP:217~224 ISSN: 2252-8814, DOI: 10.11591/ijaas.v8i3.pp217-224.
4. PADMANABHA RAJU CHINDA, "A Novel way out to Unit Commitment Problem utilizing Evolutionary Particle Swarm Optimization" *International Journal of Recent Technology and Engineering (IJRTE)* ISSN: 2277-3878, Volume-8 Issue-4, November 2019, PP: 5039-5044, Impact Factor: 5.92.
5. B. BADDU NAIK, M. HEMANTH SAI, B. BALA SAI BABU, "HIF Detection and Classification in Distribution Systems using Wavelet Transforms", *International Journal of Recent Technology and Engineering (IJRTE)* ISSN: 2277-3878, Volume-8 Issue-4, PP: 10008-10013, November 2019, Impact Factor: 5.92 .
6. KANAGASABAI LENIN, "Solving optimal reactive power problem by improved variable mesh optimization algorithm" *International Journal of Advances in Applied Sciences (IJAAS)* Vol. 8, No. 4, December 2019, PP. 279~284 ISSN: 2252-8814, DOI: 10.11591/ijaas.v8i4.pp279-284
7. KANAGASABAI LENIN, "Power loss reduction by arctic wolf optimization algorithm", *International Journal of Informatics and Communication Technology (IJ-ICT)* Vol.8, No.3, December 2019, PP. 111~116 ISSN: 2252-8776, DOI: 10.11591/ijict.v8i3.pp111-116.
8. VIJAYA ANAND NIDUMOLU, Venu Madhav Panchagnula, G.L.N. Murthy, "An Efficient Energy Measurement and Control using IoT", *International Journal of Innovative Technology and Exploring Engineering (IJITEE)* ISSN: 2278-3075, Volume-9 Issue-2, PP: 3441-3444, December 2019, Impact Factor: 5.54

9. Suman Machavarapu, MANNAM VENU GOPALA RAO, Pulipaka Venkata Ramana Rao, "Machine Learning Algorithm Based static VAR Compensator to Enhance Voltage Stability of Multi-machine Power System", *Mathematical Modelling of Engineering Problems*, Vol.6, No. 4, December 2019, PP: 641-649, ISSN: 2369-0739 .
10. KANAGASABAI LENIN, "Real power loss reduction by dolphin swarm algorithm", *International Journal of Advances in Applied Sciences (IJAAS)*, Vol. 8, No. 4, December 2019, pp. 285~289, ISSN: 2252-8814, DOI: 10.11591/ijaas.v8i4.pp285
11. R. Sundar, C. Gnanavel, P. MUTHUKUMAR, "A Unique Single Source Nine Level Inverter with Reduced Switching Devices for Single Phase AC Applications", *International Journal of Engineering and Advanced Technology (IJEAT)* ISSN: 2249 – 8958, Volume-9, Issue-2, December 2019, pp. 4098-4101.
12. Dr. KANAGASABAI LENIN, "Active Power Loss Reduction by Improved Gravitational Search Algorithm", *International Journal of Darshan Institute on Engineering Research and Emerging Technologies* Vol. 8, No. 2, 2019, pp. 22-25, ISSN 2320-7590.
13. Dr. KANAGASABAI LENIN, "Particle Swarm Optimization Algorithm Combined with Genetic Algorithm, Gravitational Search Algorithm and Dynamic Cauchy Mutation for Power Loss reduction", *Journal of Xi'an University of Architecture & Technology* Volume XI, Issue XII, 2019, ISSN No : 1006-7930, PP: 867-872, DOI:20.19001.JAT.2020.XI.I12.20.1828 .
14. Dr. KANAGASABAI LENIN, "Solving Optimal Reactive Power Problem by Magnetic Charged System Search Algorithm", *Journal of Xi'an University of Architecture & Technology* Volume XI, Issue XII, 2019 ISSN No : 1006-7930, PP: 873- 877, DOI:20.19001.JAT.2020.XI.I12.20.1829.
15. Dr. KANAGASABAI LENIN, "Diminution of Active Power Loss by Cooperative Animal Performance Algorithm", *Journal of Xi'an University of Architecture & Technology* Volume XI, Issue XII, 2019 ISSN No: 1006-7930, PP: 878- 882, DOI:20.19001.JAT.2020.XI.I12.20.1830.
16. Dr. KANAGASABAI LENIN, "Factual Power Loss Reduction by Amplified Seeker Optimization Algorithm", *Journal of Xi'an University of Architecture & Technology*

Volume XI, Issue XII, 2019 ISSN No: 1006-7930, PP: 883- 887,
DOI:20.19001.JAT.2020.XI.I12.20.1831.

17. Dr. KANAGASABAI LENIN, “Factual Power Loss Reduction by Amplified Bat Algorithm”, Journal of Xi'an University of Architecture & Technology Volume XI, Issue XII, 2019 ISSN No: 1006-7930, PP: 888-892, DOI:20.19001.JAT.2020.XI.I12.20.1832
18. T. NARASIMHA PRASAD, Prof. A. Lakshmi Devi, “A Unified Droop Control Strategy For DC Bus Voltage Regulation And Mppt Control of Multi Input Bi-Directional DC-DC Converter in AC-DC-Microgrid”, JOURNAL OF MECHANICS OF CONTINUA AND MATHEMATICAL SCIENCES, Special Issue, No.-5, January (2020), pp 408-423, ISSN: 2454 -7190
19. P. Balakrishnan, K. Eswaramoorthy, P. MUTHUKUMAR, “Discrete Current Sensing And Incremental Conductance Algorithm For PV System”, The International journal of analytical and experimental modal analysis, Volume XII, Issue I, January/2020, pp. 574-581.
20. KANAGASABAI LENIN, “Advanced teaching-learning-based optimization algorithm for actual power loss reduction”, International Journal of Robotics and Automation (IJRA) Vol.8, No.1, March 2020, pp. 46~50 ISSN: 2089-4856, DOI: 10.11591/ijra.v8i1.
21. K. LENIN, “Minimization of real power loss by enhanced teaching learning based optimization algorithm”, International Journal of Robotics and Automation (IJRA) Vol.9, No.1, March 2020, pp. 1~5 ISSN: 2089-4856, DOI: 10.11591/ijra.v9i1.
22. RAGALEELA DALAPATI RAO, K.Satya Eswara Rao, B.Pooja, J.Venkateswara Naik, “Prevention of Road Accidents by Using Smart Device” International Journal of Control and Automation, Vol. 13, No. 2, March 2020, PP. 965 - 973, Impact factor: 0.13, ISSN: 2005-4297.
23. V. Seetha Mahalakshmi, PADMANABHA RAJU CHINDA, RAGALEELA DALAPATI RAO, “Design and Fabrication of Robotic Arm”, International Journal of Control and Automation, Vol. 13, No. 2, March 2020, PP. 974 - 981, Impact factor: 0.13, ISSN: 2005-4297.

24. M. HEMANTH SAI, PADMANABHA RAJU CHINDA and K. Sri Kumar, "Optimal Scheduling of Hybrid Renewable Energy Systems in a Microgrid", International Journal of Control and Automation, Vol. 13, No. 2, March 2020, PP. 982 - 992, Impact factor: 0.13, ISSN: 2005-4297
25. LENIN.K, "Real Power Loss Reduction by the Cultivation of Soil Optimization Algorithm", Journal of Engineering Sciences, Vol. 7(1), pp. E1–E5, 2020, ISSN: 2312-2498, DOI: 10.21272/jes.2020.7(1).e1
26. KANAGASABAI LENIN, "Enhanced wormhole optimizer algorithm for solving optimal reactive power problem", International Journal of Informatics and Communication Technology (IJ-ICT) Vol.9, No.1, April 2020, pp. 1~8 ISSN: 2252-8776, DOI: 10.11591/ijict.v9i1.pp1-8
27. LENIN KANAGASABAI, "Enhanced whale optimization algorithm for active power loss diminution", International Journal of Informatics and Communication Technology (IJ-ICT) Vol.9, No.1, April 2020, pp. 20~24 ISSN: 2252-8776, DOI: 10.11591/ijict.v9i1.pp20-24
28. KANAGASABAI LENIN, "Partition of spaces based algorithm for reduction of real power loss", International Journal of Applied Power Engineering (IJAPE) Vol. 8, No. 1, April 2020, pp. 1~5 ISSN: 2252-8792, DOI: 10.11591/ijape.v8.i1.pp1-5
29. R.Anand, A.ANBARASAN, K.Eswaramoorthy, P.MUTHUKUMAR (2020) "HPSOMPC Control of Bidirectional Series Resonant DC/DC Converter" International Journal of Test Engineering and Management, Vol.83, Issue: March-April 2020, ISSN: 0193-4120, pp: 1305-1310
30. K.BHAVANA, B.LALITHA and T. SRINIVASA RAO "Implementation of Cascaded H-Bridge Multilevel Inverter for Single Phase Induction Motor by Using Labview-MyRio", International Journal of Test Engineering and Management, Volume 83 PP: 1322 -1326, Issue: March-April 2020, ISSN: 0193-4120.
31. C.KUMAR, PADMANABHA RAJU CHINDA, RAGALEELA DALAPATI RAO, "Programmed Vehicle Mishap Area Identification and Informing Module", International Journal of Advanced Science and Technology, Vol. 29, No. 5, April 2020, PP: 8212-8221, Impact factor: 0.13, ISSN: 2005-4238

32. B. BALA SAIBABU and Prasad Reddy Bhimavarapu, "Region of Stability for Single and Two Area Load Frequency Control Systems with Time Delay in the Parameter Space of PID Controllers Using Boundary Locus Method", International Journal of Control and Automation, Vol. 13, No. 4, May 2020, PP: 999 - 1009, Impact factor: 0.13, ISSN: 2005-4297
33. KARUNAKAR PATCHALA, Y Raja Rao, A M Prasad, "Meta Material based MIMO Antenna with Frequency Selective Surface for Gain Enhancement", International Journal of Advanced Science and Technology, Vol. 29, No. 7, 2020, PP. 795-803, ISSN: 2005-4238.
34. K. LENIN, "Factual Power Loss Reduction by Augmented Monkey Optimization Algorithm", International Journal of Research in Industrial Engineering, Vol. 9, No. 1 2020, PP: 1–12, ISSN: 1925-7813.
35. K.LENIN, "Factual Power Loss Diminution by Enriched Artificial Fish Swarm Algorithm", Journal of Electrical Power & Energy Systems, 4(1), PP: 1-10. May 2020, ISSN Online: 2576-053X
36. Alapati Purnachandra Rao, PADMANABHA RAJU CHINDA, RAGALEELA DALAPATI RAO, S. Pragna Sri, V. Varshitha, "Design and Development of Hand Gesture Controlled Robot", International Journal of Control and Automation, Vol. 13, No. 4, May 2020, PP: 619 - 625, Impact factor: 0.13, ISSN: 2005-4297
37. V.HARIKA and G.MADHAVI "Controlling of Traffic Using Movable Road Divider", International Journal of Multidisciplinary Educational Research (IJMER), Volume: 9, Issue: 5 (4), May 2020, ISSN: 2277-7881, Impact factor: 6.514.
38. K. LENIN, " Passerine swarm optimization algorithm for solving optimal reactive power dispatch problem", International Journal of Advances in Applied Sciences, Vol. 9, No. 2, June 2020, pp. 101~109 ISSN: 2252-8814
39. M.DEVIKA RANI, V.SAI GEETHA LAKSHMI, "A Review of Optimization Techniques for Power and Energy Supervision in Micro Grids", International Journal of Test Engineering and Management, Volume 83, PP: 3961-3966, Issue: May – June 2020, ISSN: 0193-4120
40. Y.Pavani, PADMANABHA RAJU CHINDA, RAGALEELA DALAPATI RAO, "Architecture and Assembly of Farming Robot", International Journal of Test

Engineering and Management, Volume 83 PP: 22558–22563, Issue: May-June 2020, ISSN: 0193-4120.

41. G.MADHAVI, V.HARIKA, “Optimal Hourly Scheduling of Hydro Thermal Systems Integrating With Solar Power Systems Using Differential Evolution”, International Journal of Scientific & Technology Research Volume 9, Issue 06, June 2020, PP: 886-892, ISSN 2277-8616.
42. G. Vijay Kumar & M. V. RAMESH, “Design And Fabrication of Automatic Seed Sowing Robotic Vehicle”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249–6890; ISSN (E): 2249–8001, Vol. 10, Issue 3, June 2020, 1741-1750.
43. SAI GEETHA LAKSHMI VALLURU, DEVIKA RANI MOTHUKURI, “Deciphering the Combination of Economic and Emission Dispatch for the Smart Grid by Heuristic Techniques: A Review” International Journal of Test Engineering and Management, Volume 83, PP: 24999 – 25007, Issue: May – June 2020, ISSN: 0193-4120.
44. K.LENIN, “Real power loss reduction by moth search and intermingled algorithm’s”, Transactions on Engineering and Computer Science, June 2020; 1(1):107.

INTERNATIONAL CONFERENCES:

A. Scopus Indexed

1. NARASIMHA PRASAD TULASI, Dr. A. Lakshmi Devi, “ Droop Control of Proportional Resonant Controller fed Hybrid Distributed Generator in Low voltage AC Micro grid”, 2nd International Conference on Intelligent Computing Instrumentation and Control Technologies (ICICICT) 2019, IEEE held at Vimal Jyothi Engineering college, Kerala on 5th- 6th July 2019, PP: 774-780, doi: 10.1109/ICICICT46008.2019.8993396. ISBN: 978-1-7281-0283-2 (**Scopus Indexed**)

B. Others

1. V.SAI GEETHA LAKSHMI, M.DEVIKA RANI presented a paper on “Improved version of controlling Solar system with battery for AC load using PSCAD/EMTDC” in the International Conference on Advances in Renewable Energy technologies held at VRSEC during 23rd -24th October 2019.

2. K.LENIN, “Acridoidea Stimulated Artificial Bee Colony Algorithm for Solving Optimal Reactive Power Problem”, 5th Virtual International Conference on Science, Technology and Management in Energy, October 28-29, 2019, eNergetics, ISBN: 978-86-80616-04-9. PP: 41. 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.
3. K.LENIN, “Greenland Wolf Optimization Algorithm for Solving Optimal Reactive Power Problem, “5th Virtual International Conference on Science, Technology and Management in Energy, October 28-29, 2019, eNergetics, ISBN: 978-86-80616-04-9. PP: 171. 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.
4. B.MOHAN, M.V.RAMESH, T.SRINIVASARAO, “Optimal DG Placement Under Standard Marketing Design Using PSO”, International Conference on Smart Energy Systems and Electric Vehicles (ICSESEV-2020), held at VRSEC, Vijayawada during 8th to 10th January 2020, PP: 16, ISBN: 978-81-923295-3-6.
5. K.BHAVANA, Sk.Abdulkareem, P.Gunashekhar, K.Jyothi, “Speed control of Induction Motor using Cascaded H-Bridge Inverter”, International Conference on Smart Energy Systems and Electric Vehicles (ICSESEV-2020), held at VRSEC, Vijayawada during 8th to 10th January 2020, PP: 47, ISBN: 978-81-923295-3-6..
6. K.BHAVANA, Sk.Abdulkareem, P.Gunashekhar, K.Jyothi, “ROBO the Commando”, International Conference on Smart Energy Systems and Electric Vehicles (ICSESEV-2020), held at VRSEC, Vijayawada during 8th to 10th January 2020, PP: 48, ISBN: 978-81-923295-3-6.

Published Books:

1. P.MUTHU KUMAR, G.Gnanavel, K.Eswaramoorthy, “**Digital System Design Using VHDL**”, ESN Publications, Virdhunagar, Tamilnadu, Jan. 2020, ISBN: 978-81-945156-3-0.