

P.V.P SIDDHARTHA INSTITUTE OF TECHNOLOGY (AUTONOMOUS), KANURU

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

List of Publications

2022-23

| S.No. | Category | Number |
|--------------|------------------------------|---------------|
| 1 | SCIE Journals | 7 |
| 2 | Scopus Journals | 37 |
| 3 | Other International Journals | 0 |
| 4 | National Journals | 0 |
| 5 | International Conferences | 22 |
| 6 | National Conferences | 0 |
| 7 | Book Chapters | 3 |

INTERNATIONAL JOURNALS:

A. SCIE Journals :

1. LENIN KANAGASABAI, “Enhanced heat transfer search and enriched replicated coronary circulation system optimization algorithms for real power loss reduction”, Soft Computing (Application of soft computing), volume 26, issue 14, July 2022, PP: 6871–6888, ISSN: 1433-7479, <https://doi.org/10.1007/s00500-021-06630-3> (**SCIE and Scopus Indexed**).
2. Nookala Venu, R.SWATHI, Sanjaya Kumar Sarangi, V. Subashini, D.Arulkumar,Shimpy Ralhan,and Baru Debtera, “Optimization of Hello Message Broadcasting Prediction Model for Stability Analysis”, Wireless Communications and Mobile Computing, , Hindawi journal ,Volume 2022, July 2022, Article ID 2785810 , ISSN: 1530-8669, Special issue, pp: 1-9, Wiley Publisher. <https://doi.org/10.1155/2022/2785810> (**SCIE and Scopus Indexed**).
3. LENIN KANAGASABAI, “Chaotic implanted opposition-based-quantum equipoise state and Ascidiacea algorithms for loss lessening and power permanence enrichment”, Soft Computing (Foundations), Volume 26, issue 17, September 2022, Pages: 8183 – 8202, ISSN: 1433-7479, <https://doi.org/10.1007/s00500-022-07232-3> (**SCIE and Scopus Indexed**).
4. PADMANABHA RAJU CHINDA, RAGALEELA DALAPATI RAO, “Multi-attribute decision making approach for placement of dynaflo controllers in a power

system network using particle mobility honey bee algorithm”, *Ain Shams Engineering Journal*, Volume 13, Issue 5, September 2022, 101682, PP: 1-11, ISSN: 2090-4479, Impact factor: 3.180 (**SCIE & Scopus Indexed**).

<https://authors.elsevier.com/sd/article/S2090447921004603>

5. NIDUMOLU VIJAYA ANAND, Ammanamanchi Venkata Jaya Sai Praneeth, Naveen Yalla & Vijay K. Sood, “Simplified DC voltage sensorless control of single-phase PFC converters in EV chargers”, *Journal of Power Electronics*, ISSN: 1598-2092, Vol: 22, Issue: 11, pp 1956–1965, November 2022. <https://doi.org/10.1007/s43236-022-00494-y>. (**SCIE and Scopus Indexed**).
6. MUTHUKUMAR PARAMASIVAN, K. Eswaramoorthy, Rathinam Muniraj, Padmaresh Lekshmi Kanthan, Thanikanti Sudhakar Babu, S. Jeevananthan, Hassan Haes Alhelou, "An Alternative Level Enhanced Switching Angle Modulation Schemes for Cascaded H Bridge Multilevel Inverters," *IEEE Access*, vol. 11, pp. 57365-57382, June 2023, ISSN: 2169-3536, Doi: 10.1109/ACCESS.2023.3283253. (**SCIE and Scopus Indexed**).
7. K. LENIN, "Quasi Opposition-Based Quantum Pieris Rapae and Parametric Curve Search Optimization for Real Power Loss Reduction and Stability Enhancement," *IEEE Transactions on Industry Applications*, vol. 59, no. 3, pp. 3077-3085, May-June 2023, ISSN: 0093-9994, doi: 10.1109/TIA.2023.3249147. (**SCIE and Scopus Indexed**)

B. Scopus Journals

1. KANAGASABAI LENIN, “Real Power Loss Reduction by Extreme Learning Machine, Chaotic, Quantum and Opposition based California Condor Optimization Algorithms”, *Journal of Engineering Science and Technology Review*, Volume 15, No. 2, July 2022, Pages 102 – 116, ISSN: 1791-2377. (**Scopus Indexed**).
2. LENIN KANAGASABAI, “Real Power Loss Reduction by Hybridization of Northern Lapwing Mating With Teaching-Learning-Based Optimization and Canis Lupus Dingo with Sine Cosine Algorithm”, *Pakistan Journal of Engineering and Applied Sciences*, Volume 31, pp: 34-47, July 2022, ISSN: 1995--1302 (**Scopus Indexed**).
3. SRINIVASARAO THUMATI, S Vadivel, M Venu Gopala Rao, “Honey Badger Algorithm Based Network Reconfiguration and Integration of Renewable Distributed Generation for Electric Vehicles Load Penetration”, *International Journal of*

Intelligent Engineering and Systems, Vol.15, No.4, PP: 329-338, August 2022, ISSN: 2185-3118, DOI: 10.22266/ijies2022.0831.30. **(Scopus Indexed)**.

4. LENIN KANAGASABAI, “Real power loss reduction by Q-learning and hyper-heuristic method”, International Journal of System Assurance Engineering and Management, Volume 13, issue 4, August 2022, Pages: 1607 - 1622. ISSN: 0976-4348 **(ESCI & Scopus Indexed)**. <https://doi.org/10.1007/s13198-021-01516-x>
5. LENIN KANAGASABAI, “Jerusalem artichoke algorithm for power loss reduction and power stability enhancement”, International Journal of System Assurance Engineering and Management, Volume 13, issue 4, August 2022, Pages: 1788 – 1800, ISSN: 0976-4348 **(ESCI & Scopus Indexed)**. <https://doi.org/10.1007/s13198-021-01550-9>
6. LENIN KANAGASABAI, “Real power loss reduction by quantum based Ptilonorhynchus violaceus optimization and Haliastur Indus algorithms”, International Journal of System Assurance Engineering and Management, Volume 13, issue 4, August 2022, Pages: 1913 – 1931, ISSN: 0976-4348 **(ESCI & Scopus Indexed)**. <https://doi.org/10.1007/s13198-021-01602-0>
7. M.HEMANTH SAI, N.VIJAYA ANAND and P.Venu Madhav, “IoT Based Real-Time Energy Monitoring”, ICIC Express Letters, Volume 16, Number 8, August 2022, ISSN:1881-803X, PP:827-834, DOI: 10.24507/icicel.16.08.827 <http://www.icicel.org/ell/contents/2022/8/el-16-08-04.pdf> **(Scopus Indexed)**.
8. LENIN KANAGASABAI, “Real Power Loss Reduction by Electric Field, Lepas Anatifera Mating and Dunlin Optimization Algorithms”, GMSARN International Journal, Volume 16, Number 3, September 2022, PP: 256-262, ISSN: 1905-9094. **(Scopus Indexed)**.
9. KUMAR CHERUKUPALLI and BADDU NAIK BHUKYA, “An innovative approach congestion management in power transmission lines with advanced control”, Journal of Theoretical and Applied Information Technology, ISSN: 1992-8645, Vol.100, No.18, pp 5396-5408, September 2022. <http://www.jatit.org/volumes/Vol100No18/32Vol100No18.pdf> **(Scopus Indexed)**.
10. K. LENIN, “Real Power Loss Reduction by Rhinotia hemistictus based Jackal Optimization Algorithm for Electrical Transmission Network”, Suranaree Journal of Science and Technology, ISSN: 2587-0009, Vol. 29 Issue 5, pp: 010162(1-8), September-October, 2022. <https://ird.sut.ac.th/e-journal/Journal/pdf/220104796.pdf> **(ESCI & Scopus Indexed)**.

11. K.LENIN, “Real power loss dwindling and voltage reliability enrichment by gradient based optimization algorithm”, International Journal of System Assurance Engineering and Management (Springer), ISSN: 0976-4348, Volume13, Issue: 5, pp: 2727–2742, October 2022. <https://link.springer.com/article/10.1007/s13198-022-01743-w> (**ESCI & Scopus Indexed**).
12. K.LENIN, “Buoyancy based optimization algorithm for real power loss diminution”, International Journal of System Assurance Engineering and Management (Springer), ISSN: 0976-4348, Volume 13, Issue: 5, pp: 2442–2457, October 2022. <https://link.springer.com/article/10.1007/s13198-022-01656-8> (**ESCI & Scopus Indexed**).
13. K.LENIN, “Mathematics based calculation and stemonitis inspired optimization algorithms for loss reduction and power solidity augmentation”, International Journal of System Assurance Engineering and Management (Springer), ISSN: 0976-4348, Volume 13, Issue: 5, pp: 2710–2726, October 2022. <https://link.springer.com/article/10.1007/s13198-022-01742-x> (**ESCI & Scopus Indexed**).
14. RAGALEELA DALAPATI RAO, PADMANABHA RAJU CHINDA, KUMAR CHERUKUPALLI, Srinivasa Rao Mantri, “Security Enhancement and Loss Reduction In Deregulated Power Systems with a Series FACTS Device” Journal of Theoretical and Applied Information Technology 30th November 2022. Vol.100. No 22, PP: 6694- 6704, ISSN: 1992-8645 (**Scopus Indexed**).
15. L.KANAGASABAI, “Tangible power loss dwindling by canadian Yukon cougar optimization algorithm”, Herald of the Bauman Moscow State Technical University, Series natural sciences, Volume: 104, No.:5, November 2022, pp:16-30, ISSN: 1812-3368 (**Scopus Indexed**).
16. BALA SAIBABU BOMMIDI, BADDU NAIK BHUKYA, Swarupa Rani Bondalapati, HEMANTH SAI MADUPU, "Congestion Management in Power Transmission Lines with Advanced Control Using Innovative Algorithm," WSEAS Transactions on Power Systems, vol. 17, pp. 354-363, November 2022. DOI: 10.37394/232016.2022.17.35 (**Scopus Indexed**).
17. LENIN KANAGASABAI, “A Novel Antillean Nighthawk Swarm Optimization Algorithm for Loss Lessening and Power Reliability Expansion”, Technology and Economics of Smart Grids and Sustainable Energy, Volume 7, issue 1, December

2022 , Article number: 18, ISSN: 2199-4706, <https://doi.org/10.1007/s40866-022-00142-1>(**Scopus Indexed**).

18. LENIN KANAGASABAI, “Novel Extreme Learning Machine and Chaotic in-Built Opposition Based – Quantum Ruddy Turnstone Optimization Algorithms for Real Power Loss Dwindling and Voltage Consistency Enhancement”, *Technology and Economics of Smart Grids and Sustainable Energy*, Volume 7, issue 1, Article: 25, December 2022, ISSN: 2199-4706. <https://doi.org/10.1007/s40866-022-00149-8> (**ESCI & Scopus Indexed**).
19. LENIN KANAGASABAI, “Real Power Loss Reduction by Accipitridae Optimization Algorithm”, *Technology and Economics of Smart Grids and Sustainable Energy*, Volume 7, issue 1, Article: 24, December 2022, ISSN: 2199-4706. <https://doi.org/10.1007/s40866-022-00147-w>. (**ESCI & Scopus Indexed**).
20. T.Thenmozhi. M.V.Suganyadevi, R.Ramya, P.MUTHUKUMAR, “Hybrid energy management on electric vehicles for power grids with renewables system”, *Elsevier, Environmental Challenges*, Volume 9, December 2022, PP:100647, ISSN: 2667-0100 (**Scopus Indexed**).
21. LENIN KANAGASABAI, “Novel Western Jackdaw Search, Antrostomus Swarm and Indian Ethnic Vedic Teaching – Inspired Optimization Algorithms for Real Power Loss Diminishing and Voltage Consistency Growth”, *International Journal of System Assurance Engineering and Management (springer)* , Volume 13, issue 6, December 2022, PP: 2895-2919, ISSN: 0975-6809.(**ESCI & Scopus Indexed**)
22. K. LENIN, “Novel Quantum based Ceratitis and Tetrapturus georgii Optimization Algorithms for Real Power Loss Reduction”, *Suranaree Journal of Science and Technology*, Volume 30, Number 1, Pg: 010200 (1-7), January - February 2023, ISSN: 0858-849X. <https://ird.sut.ac.th/journal/sjst/#/los/manuscript/25366> (**Scopus Indexed**).
23. BADDU NAIK BHUKYA, PADMANABHA RAJU CHINDA, Srinivasa Rao Rayapudi, and Swarupa Rani Bondalapati, "Advanced Control with an Innovative Optimization Algorithm for Congestion Management in Power Transmission Networks," *Engineering Letters*, vol. 31, no.1, pp: 194-205, ISSN: 1816-0948, March 2023. https://www.engineeringletters.com/issues_v31/issue_1/EL_31_1_20.pdf (**ESCI & Scopus Indexed**).
24. K. LENIN, “Real power loss reduction by extreme learning machine based Panthera Leo, chaotic based Jungle search and Quantum based Chipmunk search optimization

- algorithms”, International Journal of System Assurance Engineering and Management (springer), Volume 14, supplement issue 1, March 2023, ISSN:0975-6809, pp: 55–78. <https://doi.org/10.1007/s13198-022-01821-z> (**ESCI & Scopus Indexed**)
25. K. LENIN, “Real power loss reduction by Enhanced Russian Haliaeetus pelagicus Optimization Algorithm”, Herald of the Bauman Moscow State Technical University, Series Natural Sciences, March 2023, no. 1 (106), pp. 64–81, ISSN 1812-3368. DOI: <https://doi.org/10.18698/1812-3368-2023-1-64–81>(**Scopus Indexed**)
26. M.DEVIKA RANI, V.SAI GEETHA LAKSHMI, P.MUTHU KUMAR, D. R. Binu Ben Jose, R. Saravanan, “Optimized Controller Based Voltage Quality Assessment In Grid Connected Hybrid Microgrid”, Journal of Theoretical and Applied Information Technology, 15th April 2023, Vol. 101. No. 7, pp. 2474- 2485, ISSN: 1992-8645. <https://www.jatit.org/volumes/Vol101No7/1Vol101No7.pdf> (**Scopus Indexed**)
27. B. MOHAN , M.V.RAMESH , P.MUTHU KUMAR , Rajan. VR, “Charging Station For Electric Vehicle Using Hybrid Sources”, Journal of Theoretical and Applied Information Technology 15th April 2023. Vol.101. No 7, pp. 2547-2560, ISSN: 1992-8645. <http://www.jatit.org/volumes/Vol101No7/7Vol101No7.pdf> (**Scopus Indexed**).
28. BADDU NAIK BHUKYA, Vutukuri Sarvani Duti Rekha , Venkata Krishnakanth Paruchuri , Ashok Kumar Kavuru And Kadiyala Sudhakar, “Internet Of Things For Effort Estimation and Controlling the State of an Electric Vehicle In A Cyber Attack Environment”, Journal of Theoretical and Applied Information Technology 31st May 2023. Vol.101. No 10, ISSN: 1992-8645, pp:4033-4040. <http://www.jatit.org/volumes/Vol101No10/32Vol101No10.pdf> (**Scopus Indexed**)
29. V. SAI GEETHA LAKSHMI, M. DEVIKA RANI, Sravanthi Kantamaneni, Puchanuthala Sivakrishna, Dr.D.N.V.Satyanarayana, MUTHUKUMAR PARAMASIVAN, “An Optimized Approach For The Development of Hierarchical Energy Integration With Multiple Energy Resources And Emphasizing The Heuristic Techniques”, Journal of Theoretical and Applied Information Technology, 15th May 2023, Vol. 101. No. 9, ISSN: 1992-8645. <https://www.jatit.org/volumes/Vol101No9/13Vol101No9.pdf> (**Scopus Indexed**)
30. LENIN KANAGASABAI, “Quantum based Polyphylla Fullo Search Optimization Algorithm for True Power Loss Reduction and Voltage Constancy Augmentation”,

GMSARN International Journal, Volume 17, Number 2, June 2023, pp: 203-212, ISSN:1905-9094. <https://gmsarnjournal.com/home/wp-content/uploads/2022/09/vol17no2-9.pdf> (**Scopus Indexed**)

31. P. MUTHUKUMAR, M. V. RAMESH, Ponnamm Venkata Kishore Babu, P. Rohinikumar, S. V. Satyanarayana, “Optimal Integration of Multiple D-SVCs for Voltage Stability Enhancement in Radial Electrical Distribution System Using Adaptive Firefly Algorithm”, International Journal of Intelligent Engineering and Systems, Volume 16, Issue 3, June 2023, pp: 378-387, ISSN: 2185-3118, DOI: 10.22266/ijies2023.0630.30. <https://inass.org/wp-content/uploads/2023/03/2023063030-2.pdf> (**Scopus Indexed**)
32. N. VIJAYA ANAND, A.V. Jaya Sai Praneeth; Naveen Yalla; Vijay K. Sood, “Review of on-board conductive charger topologies for electric transportation”, International Journal of Power Electronics, June 2023 Vol.17, No.4, pp.406 - 442, ISSN:1756-6398, DOI: 10.1504/IJPELEC.2023.131192. <https://www.inderscienceonline.com/doi/abs/10.1504/IJPELEC.2023.131192> (**Scopus Indexed**)
33. LENIN KANAGASABAI, “Novel Commercial Pilot Preparation, Mindarinae and Formica Fusca Rapport Inspired, Red-footed Booby Optimization Algorithms for Real Power Loss Reduction and Voltage Stability Expansion”, Journal of Engineering Science and Technology Review Vol.16, No.2, June 2023, pp. 138 - 156, ISSN: 1791-2377, doi:10.25103/jestr.162.18. <http://www.jestr.org/downloads/Volume16Issue2/fulltext181622023.pdf> (**Scopus Indexed**)
34. HEMALATHA JAVVAJI, GUDAVALLI MADHAVI, VEMULAPALLI HARIKA, G.Veeranna, Muzeeb Khan Patan, Majahar Hussain Mahammad, “Single Input and Multiple Output DC-DC Converter for Electric Vehicle Applications”, Journal of Theoretical and Applied Information Technology, 15th June 2023, Vol.101. No 11, pp. 4833-4844, ISSN: 1992-8645. <https://www.jatit.org/volumes/Vol101No11/35Vol101No11.pdf> (**Scopus Indexed**)
35. VEMULAPALLI HARIKA, HEMALATHA JAVVAJI, GUDAVALLI MADHAVI, Mohammed Azaharahmed, G.Veeranna, Majahar Hussain Mahammad, “Optimal Power Flow Problem Solution Using Diverse Soft Computing Techniques”, Journal of Theoretical and Applied Information Technology, 30th June 2023, Vol.101. No

- 12, pp. 5015-5024, ISSN: 1992-8645.
<http://www.jatit.org/volumes/Vol101No12/15Vol101No12.pdf> (**Scopus Indexed**).
36. GUDAVALLI MADHAVI, VEMULAPALLI HARIKA, HEMALATHA JAVVAJI, K.Kiran Kumar, Mohammed Azaharahmed, Majahar Hussain Mahammad, “Examination of Voltage Stability by Considering CPF Algorithm with STATCOM Under Contingency”, Journal of Theoretical and Applied Information Technology, 30th June 2023, Vol.101. No 12, pp. 5025-5037, ISSN: 1992-8645.
<http://www.jatit.org/volumes/Vol101No12/16Vol101No12.pdf> (**Scopus Indexed**).
37. LENIN KANAGASABAI, “Extreme Learning Machine And Chaotic Based Sphyaena Chrysotaenia Optimization Algorithms For Loss Lessening And Power Stability Magnification”, Suranaree Journal of Science and Technology, Vol. 30 No. 3, May - June 2023, 010228(1-14), ISSN 0858-849X.
<https://ird.sut.ac.th/journal/sjst/#/los/manuscript/25437> (**Scopus Indexed**).

INTERNATIONAL CONFERENCES:

A. Scopus conferences :

1. SAI GEETHA LAKSHMI VALLURU, DEVIKA RANI MTHUKURI, Dr.P.MUTHUKUMAR, “An Improved version of Analyzing Detailed Model of Type-4 Wind Turbine Generator using PSCAD/EMTDC”, IEEE- Sponsored 3rd International Virtual Conference on Power Engineering Computing and Control PECCON’ 22, ISBN: 978-1-6654-8592-0, pp. 1-5, August 2022, organized by school of Electrical Engineering, Vellore Institute of Technology, Chennai in association with Deakin University, Australia during 5th - 6th May 2022. Doi: 10.1109/PECCON55017.2022.9851178. (**Scopus Indexed**).
2. Kamalesh MS, KUMAR CHERUKUPALLI, Gopinath N, Jagadeeswaran S, Meenatchisundaram U, “Knowledge Based Power Sharing in DC-Homes and Power Injection in Single Phase Grid” August 2022, pp. 1-6, ISBN:978-1-6654-8875-4, doi: 10.1109/ICEFEET51821.2022.9848268, 2nd IEEE International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET), during 24th – 25th June 2022, NIT Patna, India. (**Scopus Indexed**)
3. T.Gopi Krishna, Paruchuri Chandra Babu Naidu, KUMAR CHERUKUPALLI, A. Veera Reddy, M.Sravani, “Smart Energy Grid Using IOT”, August 2022, pp. 142-

- 147, ISBN:978-1-6654-8366-7, doi: 10.1109/TEECCON54414.2022.9854816. IEEE 2022 Trends in Electrical, Electronics, Computer Engineering Conference (TEECCON), during 26th & 27th May 2022, REVA University, Bangalore, India. **(Scopus Indexed)**
4. K.LENIN, "Real Power Loss Reduction by Pieris rapae Optimization Algorithm", IEEE IAS Global Conference on Emerging Technologies (GlobConET), September 2022, ISBN:978-1-6654-4358-6, pp. 306-309, doi: 10.1109/GlobConET53749.2022.9872464, Arad, Romania during May 20-22, 2022 **(Scopus indexed)**
 5. K. LENIN, "Real Power Loss Reduction by Mudskipper Optimization Algorithm," IEEE 2nd International Conference on Sustainable Energy and Future Electric Transportation (SeFeT), October 2022, ISBN:978-1-6654-8058-1, August 4-6, 2022 conducted by GRIET, Hyderabad, India, pp. 1-4, doi: 10.1109/SeFeT55524.2022.9909263. **(Scopus Indexed)**
 6. K. LENIN, "Real Power Loss Reduction by Quantum based Mellivora Capensis Optimization Algorithm," IEEE 2nd International Conference on Sustainable Energy and Future Electric Transportation (SeFeT), October 2022, ISBN:978-1-6654-8058-1, August 4-6, 2022 conducted by GRIET, Hyderabad, India, pp. 1-5, doi: 10.1109/SeFeT55524.2022.9909181. **(Scopus Indexed)**
 7. MUTHUKUMAR PARAMASIVAN, V. Nagarajan, L. Padmasuresh and M. V. Suganyadevi, "Power Factor Correction Strategies for BLDC Drives – A Review," IEEE Third International Conference on Intelligent Computing Instrumentation and Control Technologies (ICICICT), October 2022, pp. 1821-1826, ISBN:978-1-6654-1005-2, doi: 10.1109/ICICICT54557.2022.9917783 held at Kannur, India during 11-12 August 2022 **(Scopus Indexed)**
 8. K. LENIN, "Quantum based Northern Rockhopper Penguin Optimization Algorithm for Power Loss Diminution," 2022 IEEE Global Conference on Computing, Power and Communication Technologies (GlobConPT), November 2022, ISBN:978-1-6654-9366-6, organized on September 23-25, 2022 at India Habitat Centre, Lodhi Road, New Delhi, India. With Financial Sponsorship of IEEE Industry Applications Society USA, pp. 1-4, doi: 10.1109/GlobConPT57482.2022.9938175. **(Scopus indexed)**

9. K.LENIN "Active Power Loss Diminution by Caulerpa Lentillifera Algorithm," 2022 IEEE Global Conference on Computing, Power and Communication Technologies (GlobConPT), November 2022, ISBN:978-1-6654-9366-6, organized on September 23-25, 2022 at India Habitat Centre, Lodhi Road, New Delhi, India. With Financial Sponsorship of IEEE Industry Applications Society USA, pp. 1-6, doi: 10.1109/GlobConPT57482.2022.9938253. **(Scopus indexed)**
10. K.LENIN, "Real Power Loss Reduction by Choosing Certain Parameters to Modernize - Grounded Algorithm", 2nd International Conference on Applied Mathematics, Modeling and Computer Simulation (AMMCS 2022), Wuhan, China, August 13-14, 2022, conducted by Hubei Zhongke Institute of Geology and Environment Technology, China, Advances in Transdisciplinary Engineering, December 2022 Volume 30, PP: 637 – 642, ISBN: 978-1-64368-353-9 **(Scopus indexed)**
11. L.Vishnu Vardhan , P.Chandra Babu Naidu and KUMAR CHERUKUPALLI, "Comparison and Analysis of SL-DS-DC Converter with VM-DC Converter" 2nd Odisha International Conference on Electrical Power Engineering, Communication and Computing Technology (ODICON), 11th -12th November 2022, Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar, ODISHA, INDIA, , PP. 1-7, ISBN:978-1-6654-7839-7, January 2023, DOI: 10.1109/ODICON54453.2022.10010131 **(Scopus indexed)**
12. K.LENIN, "Exploring Mind Powers of Rishis Inspired Optimization Algorithm for Genuine Power Loss Reduction," 2022 IEEE International Conference on Current Development in Engineering and Technology (CCET), held at Bhopal, India on 23-24 December 2022 , pp. 1-6, April 2023, ISBN:978-1-6654-5416-2, doi: 10.1109/CCET56606.2022.10080409. **(Scopus indexed)**
13. K.LENIN, "Genuine Power Loss Lessening by Monk Preaching inspired Optimization Algorithm," 2023 IEEE IAS Global Conference on Renewable Energy and Hydrogen Technologies (GlobConHT) held at Male, Maldives, on 11-12 March 2023, pp. 1-6, April 2023, ISBN:979-8-3503-3212-4, doi: 10.1109/GlobConHT56829.2023.10087389. **(Scopus indexed)**
14. S. Benisha, J. A. Roseline, K. Murugesan, D. Lakshmi, G. Ezhilarasi and P. MUTHUKUMAR, "Enrichment in power quality using Power Factor Correction Cuk converter fed BLDC Motor Drive," 2023 9th IEEE International Conference on

Electrical Energy Systems (ICEES), pp. 590–598, May 2023, held at Chennai, India on 23-25 March 2023, ISBN:979-8-3503-4804-0, doi: 10.1109/ICEES57979.2023.10110134. **(Scopus Indexed)**

15. KANAGASABAI LENIN, “Real Power Loss Reduction by Chaotic Based Riodinidae Optimization Algorithm” International Conference on Robotics, Control and Computer Vision (ICRCCV-2022), Lecture Notes in Electrical Engineering, vol 1009, pp 251–258, 68 Accesses, May 2023, ISBN: 978-981-99-0235-4, Springer, Singapore, organized by department of Electronics Engineering, NIT Uttarakhand, India during 19-20 February, 2022. https://doi.org/10.1007/978-981-99-0236-1_20 **(Scopus Indexed)**
16. RAGALEELA DALAPATI RAO, PADMANABHA RAJU CHINDA, A Naresh Kumar, “Artificial Intelligence-Based Optimal Allocation of Dynaflow Device”, 2022 IEEE International Conference on Smart and Sustainable Technologies in Energy and Power Sectors (SSTEPS), May 2023, pp. 245-250, ISBN:978-1-6654-6414-7, DOI: 10.1109/SSTEPS57475.2022.00068, 07-11 November 2022, Mahendragarh, India **(Scopus Indexed)**
17. KANAGASABAI LENIN, “Novel Shoebill and Strategy on Combatting Terrorist inspired Optimization Algorithms for Real Power Loss Diminution,” 2023 IEEE IAS Global Conference on Emerging Technologies (GlobConET), London, United Kingdom, June 2023, pp. 1-6, ISBN:979-8-3503-3180-6, doi: 10.1109/GlobConET56651.2023.10149921. **(Scopus Indexed)**

B. Others

1. PATCHALA KARUNAKAR, Dudla Prabhakar, S.V.Rama Rao, “Design and Implementation of Triangular patch Antenna Array for Multiband Applications”, Second International conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES’ 22) organized by department of Electronics and Communication Engineering, Seshadri Rao Gudlavalleru Engineering College, India during July 29-30, 2022.
2. Mokara Pavan Kalyan, T.SRINIVASA RAO, “Review on Multilevel controllers”, International conference on Digital Archiving and presentation on cultural Heritage of India, Organized by Dept of EEE, AMET University, Chennai, held on 8th – 9th December 2022.

3. M.Sai Deepthi,V. Bhavya Sahithi, S.Madhav, P.Bhavana, P.MUTHUKUMAR, “Critical review on PWM Techniques in Single phase and three phase inverters”, International conference on Digital Archiving and presentation on cultural Heritage of India, Organized by Dept. of EEE, AMET University,Chennai, held on 8th – 9th December 2022.
4. Abdul Sameer, P.MUTHUKUMAR, “Survey on FPGA based PWM generation for inverters”, International conference on Digital Archiving and presentation on cultural Heritage of India, Organized by Dept. of EEE, AMET University, Chennai, held on 8th – 9th December 2022.
5. K. LENIN, “Real Power Loss Reduction by Enriched Groundhoppers Optimization Algorithm”, Proceedings of the 8th Virtual International Conference on Science, Technology and Management in Energy, December 15-16, 2022. Organized by Mathematical Institute of the Serbian Academy of Sciences and Arts, Kneza Mihaila 36, 11000 Belgrade, Serbia, eNergetics, pp 251-256, June 2023, ISBN-978-86-82602-01-9

BOOK CHAPTERS:

A. Scopus Indexed:

1. M.DEVIKA RANI, G.Bhavani, K.Kartheek, A.Sindhura, D.Nikhila, “Solar powered density and emergency-based traffic control system using NI Lab VIEW”, Intelligent and Soft Computing Systems for Green Energy, Wiley Online Library, Scrivener Publishing LLC, May-2023, pp-315-333, ISBN: 9781394166374, <https://doi.org/10.1002/9781394167524.ch24>. at the virtual International Conference on Smart grid and Green Energy Systems (SGGES-21) organized by Vellore Institute of Technology (Vellore), SEE Kyungpook National University (South Korea), and Naresuan University (Thailand) on 30th & 31st July 2021. (**Scopus Indexed**)

B. Others

1. LENIN KANAGASABAI, “True Power Loss Reduction by Enhanced Tree Squirrel Search, Enhanced Salp Swarm, and Swim Bladder Operation-Based Shark Optimization Algorithms”, Modeling and Control of Static Converters for Hybrid Storage Systems, IGI – Global, Pages: 26-90, September 2022, ISBN 13: 9781799874478, DOI: 10.4018/978-1-7998-7447-8.ch003

2. LENIN KANAGASABAI, “Enhanced Symbiotic Organisms Search and Hydrological Cycle Algorithms for Real Power Loss Diminution and Voltage Stability Enhancement”, Modeling and Control of Static Converters for Hybrid Storage Systems, IGI – Global, Pages: 175-206, September 2022, ISBN 13: 9781799874478, DOI: 10.4018/978-1-7998-7447-8.ch003