

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

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**List of Publications**

**2023-24**

S.No.	Category	Number
1	SCIE Journals	4
2	Scopus Journals	35
3	Other International Journals	0
4	National Journals	0
5	International Conferences	18
6	National Conferences	0
7	Book Chapters	3

**INTERNATIONAL JOURNALS:**

**A. SCIE Journals :**

1. HEMANTH SAI MADUPU, PADMANABHA RAJU CHINDA & SriKumar Kotni, “A Novel Tunicate Swarm Algorithm for Optimal Integration of Renewable Distribution Generation in Electrical Distribution Networks Considering Extreme Load Growth” Journal of Electrical Engineering & Technology, volume 18, issue 4, pages 2709–2722, July 2023, ISSN:1975-0102. <https://doi.org/10.1007/s42835-023-01388-0> (**SCIE and Scopus Indexed**).
2. Lijo Jacob Varghese, Ramesh Jayaraman, KUMAR CHERUKUPALLI & Heeravathi Senthamarai, “Performance Analysis of Microgrid Using Wind Power Based on Steady-State Voltage Stability”, Electric Power Components and Systems- Taylor & Francis, Volume 51, Issue 20, PP: 2464-2473, December 2023, ISSN: 1532-5008, DOI: 10.1080/15325008.2023.2210567(**SCIE and Scopus Indexed**). <https://www.tandfonline.com/doi/full/10.1080/15325008.2023.2210567>
3. NIDUMOLU VIJAYA ANAND, A. V. J. S. Praneeth, Naveen Yalla, Vijay Kumar Sood, “A quasi-two-switch power factor correction converter for on-board battery chargers”, International Journal of circuit theory and applications, Volume 51, Issue 12, Pages: 5859-5877, December 2023, ISSN 1097-007X (**SCIE & Scopus Indexed**). <https://doi.org/10.1002/cta.3704>.

4. LENIN KANAGASABAI, “Real power loss reduction by Protist and Otocyon megalotis optimization algorithms”, *Soft Computing (springer)*, Volume 28, Issue 4, pages 3107–3121, February 2024, ISSN: 1432-7643 (**SCIE & Scopus Indexed**).  
<https://doi.org/10.1007/s00500-023-09275-6>

## **B. Scopus Journals**

1. LENIN KANAGASABAI, “Real Power Loss Reduction by Extreme Learning Machine based - Xiphias and Gilt-head bream Optimization Algorithms”, *International Journal of Automation and Smart Technology*, Volume 13, Issue 1, July 2023, 2354, pp 1-7, ISSN: 2223-9766 (**Scopus Indexed**).  
<https://gigvvy.com/journals/ausmt/articles/ausmt-2023-13-01-2354>
2. KANAGASABAI L., “Real power loss reduction by Maine Coon and Perognathinae based optimization algorithm”, *Herald of the Bauman Moscow State Technical University, Series Natural Sciences*, July 2023, no. 3 (108), pp. 61–84, ISSN:1812-3368, DOI: 10.18698/1812-3368-2023-3-61-84 (**Scopus Indexed**).  
<http://vestniken.ru/catalog/math/compmath/1092.html>
3. SRINIVASARAO THUMATI, Madhusudana Rao Ranga, Veera Reddy Aduru, Veera Vasantha Rao Battula, Sravanthi Kantamaneni, “Hybrid Dandelion Optimizer-based Multi-Objective Photovoltaic Power Penetration Maximisation in Reconfigurable Distribution Networks ”, *International Journal of Intelligent Engineering and Systems*, Vol.16, No.4, August 2023, pp.105-114, ISSN: 2185-3118, DOI: 10.22266/ijies2023.0831.09 (**Scopus Indexed**).  
<https://oaji.net/articles/2023/3603-1687757361.pdf>
4. K BHAVANA, V Rajeswari, Rajan V, Velmurugan VR, P MUTHUKUMAR, “An Efficient Hybrid Approach for Optimal Integration of Capacitors in Radial Distribution Networks with Realistic Load Models Using Giant Trevally Optimizer and Voltage Stability Index ”, *International Journal of Intelligent Engineering and Systems*, Vol.16, No.4, August 2023, pp.181-190, ISSN: 2185-3118, DOI: 10.22266/ijies2023.0831.15 (**Scopus Indexed**).  
<https://oaji.net/articles/2023/3603-1687757764.pdf>
5. P. MUTHUKUMAR, S. Manikandan, R. Muniraj, T. Jarin, Ann Sebi, “Energy efficient dual axis solar tracking system using IOT”, *Measurement: Sensors*, Volume 28, August 2023, PP: 100825, ISSN: 2665-9174, <https://doi.org/10.1016/j.measen.2023.100825>. (**Scopus Indexed**).

6. Gnanavel Chinnaraj, Vanchinathan Kumarasamy, MUTHUKUMAR PARAMASIVAN, Gokul Chandrasekaran & Neelam Sanjeev Kumar, “Mathematical formulation of multicarrier PWM techniques and design an eleven-level modular multilevel inverter to improve power quality”, *International Journal of System Assurance Engineering and Management*, volume 14, issue 4, pp.1218–1227, August 2023, ISSN: 0976-4348 <https://doi.org/10.1007/s13198-023-01926-z>. **(Scopus and ESCI)**
7. LENIN KANAGASABAI, “Legislative optimization algorithm for real power loss diminishing and voltage reliability escalation”, *International Journal of System Assurance Engineering and Management (Springer)*, Volume 14, issue 4, August 2023 Pages: 1197–1207, ISSN: 0975-6809 <https://doi.org/10.1007/s13198-023-01913-4> **(Scopus and ESCI)**
8. HEMALATHA JAVVAJI, Deepak Prakash Kadam, Y. Kamal Kishore, K. Sarada, M. Ramprasad Reddy, M. Lakshmikanth Reddy “Design and Performance Assessment of a Multilevel Inverter for Improved Standalone PV System Operation”, *SSRG International Journal of Electrical and Electronics Engineering*, Volume 10 Issue 8, Page no. 67-78, August 2023, ISSN: 2348-8379, <https://doi.org/10.14445/23488379/IJEEE-V10I8P107> **(Scopus Indexed)**.
9. LENIN KANAGASABAI, “Real Power Loss Reduction by Neural Network Method” *GMSARN International Journal*, Volume 17, Number 3, September 2023, pp. 338-346, ISSN:1905-9094, <https://gmsarnjournal.com/home/wp-content/uploads/2022/12/vol17no3-11.pdf> **(Scopus Indexed)**.
10. LENIN KANAGASABAI, “Novel scientific design of hybrid opposition based— Chaotic little golden-mantled flying fox, White-winged chough search optimization algorithm for real power loss reduction and voltage stability expansion”, *Journal of Autonomous Intelligence*, Vol 6, No 3, September 2023, pp.1-21, ISSN: 2630-5046, DOI: <https://doi.org/10.32629/jai.v6i3.680> **(Scopus Indexed)**.
11. LENIN KANAGASABAI, “Real power loss reduction by *Toxotes kimberleyensis*, Opposition based Chaotic Septentrion Red Snapper and *Charidotella* based optimization algorithms”, *International Journal of System Assurance Engineering and Management (Springer)*, Volume 14, issue 5, October 2023, Pages: 1621 - 1638, ISSN: 0975-6809. <https://doi.org/10.1007/s13198-023-01966-5> **(Scopus and ESCI)**

12. LENIN KANAGASABAI, “Real power loss reduction by enriched great frigatebird, grey forecast and constellation exploration optimization algorithms”, International Journal of System Assurance Engineering and Management (Springer), Volume 14, issue 5, October 2023, Pages: 1933 - 1954, ISSN: 0975-6809. <https://doi.org/10.1007/s13198-023-02032-w> (**Scopus and ESCI**)
13. Swarupa Rani Bondalapati, BADDU NAIK BHUKYA, G.V. Prasanna Anjaneyulu, Manam Ravindra, and B. Sarath Chandra, “Bidirectional Power Flow Between Solar-Integrated Grid To Vehicle, Vehicle To Grid, And Vehicle To Home”, Journal of Applied Science and Engineering, Vol. 27, No 5, October 2023, Pages 2501-2511, ISSN: 2708-9975(**Scopus Indexed and ESCI**)  
[https://doi.org/10.6180/jase.202405\\_27\(05\).0014](https://doi.org/10.6180/jase.202405_27(05).0014)
14. LENIN KANAGASABAI, “Novel Mathematical Design of Furcifer Inspired and Nasuella Olivacea Optimization Algorithms for Active Power Loss Diminution in Electrical Transmission Network”, International Journal of Automation and Smart Technology, Volume 13, issue 1, November 2023, Pages: 2482 (1-12), ISSN: 2223-9766. (**Scopus Indexed**)  
<https://gigvvy.com/journals/ausmt/articles/ausmt-2023-13-01-2482.pdf>
15. LENIN KANAGASABAI, “Mathematical design of Sea pirates search, Thetys Vagina swarm, Nucifraga multipunctata, Eunectes notaeus and Otariid Optimization Algorithms for Actual Power Loss Reduction”, International Journal of Automation and Smart Technology, Volume 13, issue 1, November 2023, Pages: 2484 (1-20), ISSN: 2223-9766. (**Scopus Indexed**)  
<https://gigvvy.com/journals/ausmt/articles/ausmt-2023-13-01-2484.pdf>
16. LENIN KANAGASABAI, “Scientific Modelling of Teaching by Master to Adolescent Students for Personality Improvement, Relationship and Vividness for Improving the Electrical Energy Quality”, International Journal of Automation and Smart Technology, Volume 13, issue 1, November 2023, Pages: 2485 (1-17), ISSN: 2223-9766. (**Scopus Indexed**)  
<https://gigvvy.com/journals/ausmt/articles/ausmt-2023-13-01-2485.pdf>
17. LENIN KANAGASABAI, “Novel Enriched Basil Seed Optimization, Little Child Imagination and Learning Inspired, Malignant Neoplasm of Uterine Algorithm”, International Journal of Automation and Smart Technology, Volume 13, issue 1, November 2023, Pages: 2488 (1-15), ISSN: 2223-9766. (**Scopus Indexed**)  
<https://gigvvy.com/journals/ausmt/articles/ausmt-2023-13-01-2488.pdf>

18. LENIN KANAGASABAI, “True Power Loss Dwindling and Stability Augmentation by Extreme Learning Machine based Hybrid Lepidoptera-Labidognatha Algorithms and Rhinotia Haemoptera Based Hybrid Canis Aureus Girneys Optimization Algorithm” Herald of the Bauman Moscow State Technical University, Series Natural Sciences, no. 5 (110), pp. 4–31, ISSN 1812-3368, November 2023(**Scopus Indexed**)  
<https://vestniken.ru/articles/1108/eng/1108.pdf>
19. V SAI GEETHA LAKSHMI, M DEVIKA RANI, F Jeno Jasmine, Rathinam Muniraj, P MUTHUKUMAR, “Optimal Reconfiguration of Fully Automated Distribution System for Reliable and Resilient Operation Using Hybrid Single Candidate Optimizer” International Journal of Intelligent Engineering and Systems, Vol.16, No.6, December 2023 ISSN: 2185-3118 pp : 925-934 DOI: 10.22266/ijies2023.1231.76. (**Scopus Indexed**)  
<https://inass.org/wp-content/uploads/2023/09/2023123176-2.pdf>
20. RAGALEELA DALAPATI RAO, PADMANABHA RAJU CHINDA, KUMAR CHERUKUPALLI, “Dynaflow Device Optimal Placement Using Artificial Intelligence”, Journal of Theoretical and Applied Information Technology, Vol. 101. No. 24, 31st December 2023, ISSN: 1992-8645, PP:8283- 8290 (**Scopus Indexed**)  
<https://www.jatit.org/volumes/Vol101No24/28Vol101No24.pdf>
21. LENIN KANAGASABAI, “Novel Chimpanzee Mating Inspired Optimization Algorithm For Real Power Loss Reduction” Suranaree Journal of Science and Technology, Volume 30, Number 6, pp: 010262(1-9), December 2023, ISSN: 0858-849X (**Scopus Indexed**)  
<https://doi.org/10.55766/sujst-2023-06-e0871>
22. B. MOHAN, M.V. RAMESH, Rajan. VR, D. Rene Dev, “Designing of a Wireless Charging System For Electric Vehicles” Journal of Theoretical and Applied Information Technology, 31st January 2024. Vol.102. Issue No. 2, Pages:426-440, ISSN:1992-8645.(**Scopus Indexed**)  
<https://www.jatit.org/volumes/Vol102No2/4Vol102No2.pdf>
23. K. Sasikala, Rajan V. R., M. V. RAMESH, J. Jeyakumar, P. MUTHUKUMAR, “Fuzzy Logic Controlled Current-Mode Switch Mode Power Supply with Enhanced Steady State Response”, International Journal of Intelligent Systems And Applications In Engineering, Volume 12, Issue 4s, PP: 251-256, ISSN:2147-6799, February 2024. (**Scopus Indexed**)

<https://ijisae.org/index.php/IJISAE/article/view/3789/2423>

24. K BHAVANA, V Rajeswari, K Lalitha, J Vijayanand, SRINIVASARAO THUMATI, “An Application of Hybrid Sine Cosine Optimization for Developing Sustainable Agriculture Distribution Feeders with Optimal Photovoltaic Systems”, International Journal of Intelligent Engineering and Systems, Vol.17, No.1, February 2024, pp. 393-402, ISSN: 2185-3118, DOI: 10.22266/ijies2024.0229.35 (**Scopus Indexed**)  
<https://inass.org/wp-content/uploads/2023/09/2024022935-2.pdf>
25. M. DEVIKA RANI, V. SAI GEETHA LAKSHMI, K. J. Jegadish Kumar, K. Muthuvel, P. MUTHU KUMAR, “Hybrid War Strategy Optimization with Power Loss Index for Optimal VAR Compensation in Distribution Feeders with Industrial Load Growth”, International Journal of Intelligent Engineering and Systems, Vol.17, No.1, February 2024, ISSN: 2185-3118, PP:645-653.DOI: 10.22266/ijies2024.0229.54 (**Scopus Indexed**)  
<https://inass.org/wp-content/uploads/2023/10/2024022954-1.pdf>
26. GUDAVALLI MADHAVI, VEMULAPALLI HARIKA, Veeranna, Majahar Hussain, Azaharahmed, Muzeeb Khan, “Investigation of Cascaded 2DOF-PID Controller With Improved Invasive Weed (IIW) Technique ”, Journal of Theoretical and Applied Information Technology, 29th February 2024. Vol.102, ISSN:1992-8645, No 4, pp.1502-1512. (**Scopus Indexed**)  
<http://www.jatit.org/volumes/Vol102No4/17Vol102No4.pdf>
27. LENIN KANAGASABAI, “Novel Enriched Indus River Flow Dynamics Optimization Algorithm to solve the Electrical Energy -Active Power Loss Reduction and Voltage Stability Enhancement”, Journal of Engineering Science and Technology Review, Volume 17, Issue 1, February 2024, PP. 213 - 232, ISSN: 1791-2377. (**Scopus Indexed**) [jestr.org/downloads/Volume17Issue1/fulltext251712024.pdf](https://jestr.org/downloads/Volume17Issue1/fulltext251712024.pdf)
28. LENIN KANAGASABAI, “Hybrid-Tayberry, Self-Help Regime, Adam’s Ale Sequence, Metoza Appetite And Barbary Falcon Search Algorithm For Real Power Loss Reduction In Electrical Transmission Network”, Suranaree Journal of Science and Technology, Volume 31, Number 1, pp: 010284(1-11), January - February 2024, ISSN: 0858-849X (**Scopus Indexed**). <https://doi.org/10.55766/sujst-2024-01-e03075>
29. LENIN KANAGASABAI, “Real power loss reduction by extreme learning machine based Drongos search algorithm”, Herald of the Bauman Moscow State Technical University, Series Natural Sciences, Volume 112, number 1, pp. 41–62, February

2024, ISSN 1812-3368. (Scopus Indexed)

<https://vestniken.bmstu.ru/articles/1129/eng/1129.pdf>

30. LENIN KANAGASABAI, “Novel Reminiscence Inspired and Approximation Based Measurement of Mount Kailash Optimization Algorithms”, Suranaree Journal of Science and Technology, Volume 31, Number 1, pp: 010288 (1-10), ISSN 0858-849X, January - February 2024, (Scopus Indexed) <https://doi.org/10.55766/sujst-2024-01-e03075>
31. SESHU MOTURU, Srinivasa Rao Gummadi, Madhu Valavala, Veera Vasantha Rao Battula, Sravanthi Kantamaneni, “A Novel Transformer Approach for the Recompensed Measurement Generation and Accurate Topology Identification” Engineering Letters, Volume 32, Issue 3, March 2024, Pages 601-613, ISSN: 1816-0948. (Scopus Indexed)  
[https://www.engineeringletters.com/issues\\_v32/issue\\_3/EL\\_32\\_3\\_16.pdf](https://www.engineeringletters.com/issues_v32/issue_3/EL_32_3_16.pdf)
32. D. Prabhakar , P. KARUNAKAR, S.V. Rama Rao , K. Srinivas, “Prediction of microstrip antenna dimension using optimized auto-metric Graph Neural Network”, Intelligent Systems with Applications, Volume21, March 2024, PP. 200326 (1-10), ISSN: 2667-3053. (Scopus Indexed). <https://doi.org/10.1016/j.iswa.2024.200326>
33. BADDU NAIK BHUKYA, V. Venkataiah, S. Mani.Kuchibhatla, S. Koteswari, R V S Lakshmi Kumari, Yallapragada Ravi Raju, “Integrating the Internet of Things to Protect Electric Vehicle Control Systems from Cyber Attacks”, IAENG International Journal of Applied Mathematics, Volume 54, Issue 3, March 2024, Pages 433-440, ISSN: 1992-9986 (Scopus Indexed)  
[https://www.iaeng.org/IJAM/issues\\_v54/issue\\_3/IJAM\\_54\\_3\\_13.pdf](https://www.iaeng.org/IJAM/issues_v54/issue_3/IJAM_54_3_13.pdf)
34. M. V. RAMESH, K. Swarnasri, P. Muthukumar, Ponnam Venkata Kishore Babu, “Improved Skill Optimization Algorithm Based Optimal Power Flow Considering Open-Access Trading of Wind Farms and Electric Vehicle Fleets”, International Journal of Intelligent Engineering and Systems, Vol.17, No.2, PP. 402-411, April 2024, ISSN: 2185-3118, (Scopus Indexed) <https://inass.org/wp-content/uploads/2023/12/2024043033-1.pdf>
35. MOTURU SESHU, P. Kalyana Sundaram, MADDUKURI VENKATA RAMESH, “A novel PQ improvement in multi-parallel feeder distribution system using multi-convertible UPQC device”, International Journal of Applied Power Engineering (IJAPE), Vol. 13, No. 2, June 2024, pp. 382~395, ISSN: 2252-8792, DOI:



**INTERNATIONAL CONFERENCES:****A. Scopus conferences :**

1. P. MUTHUKUMAR, S. Nageswari, Sabareesa Priya .I, Jarin T and K. Ezhil Vignesh, "Optimization Enhancement of Output Voltage for PV System with 9 Level Inverter", 2023 IEEE International Conference on Circuit Power and Computing Technologies (ICCPCT), September 2023, pp. 1475-1479, ISBN:979-8-3503-3324-4, doi: 10.1109/ICCPCT58313.2023.10245737, at Kollam, India during 10-11 August 2023. **(Scopus Indexed)**.
2. Muthuvel K, Jerry Alexander T, P. MUTHUKUMAR, Thomas Thangam, Padma Suresh L, "Hybrid Feature Extraction Technique for Electrocardiograph Arrhythmia Signal Classification," 2023 IEEE International Conference on Circuit Power and Computing Technologies (ICCPCT), September 2023, pp. 1518-1524, ISBN:979-8-3503-3324-4, doi: 10.1109/ICCPCT58313.2023.10245424, at Kollam, India during 10-11 August 2023. **(Scopus Indexed)**.
3. Rajan. VR, Akhil Gilbert, P. MUTHUKUMAR, T. Jarin, "A Review Study on the Impact of Electromagnetic Fields in the Development of the Brain," 2023 IEEE International Conference on Circuit Power and Computing Technologies (ICCPCT), September 2023, pp. 1148-1154, ISBN:979-8-3503-3324-4, doi: 10.1109/ICCPCT58313.2023.10244812, at Kollam, India during 10-11 August 2023. **(Scopus Indexed)**.
4. K. Sasikala, J Stanly Selva Kumar, K. Ezhil Vignesh, Jarin T, P. MUTHUKUMAR, L. Padmaresh, "ANN Controller for Mitigation of Power Quality Issues Using Single Phase Unified Power Flow Controller," 2023 IEEE International Conference on Circuit Power and Computing Technologies (ICCPCT), September 2023, pp. 1829-1834, ISBN:979-8-3503-3324-4, doi: 10.1109/ICCPCT58313.2023.10245365, at Kollam, India during 10-11 August 2023. **(Scopus Indexed)**.



5. D. R. Binu Ben Jose, M. E. Shajini Sheeba, K. Ezhil Vignesh, Jarin T., P. MUTHUKUMAR, "Power Quality Enhancement in IOT Based Hybrid Renewable Energy Systems Using D-STATCOM," 2023 International Conference on Circuit Power and Computing Technologies (ICCPCT), September 2023, pp. 1767-1772, ISBN:979-8-3503-3324-4 doi: 10.1109/ICCPCT58313.2023.10244854, at Kollam, India during 10-11 August 2023. **(Scopus Indexed)**.
6. LENIN KANAGASABAI, "Novel Red Bellied Malimbe Swarm Optimization Algorithm for Active Power Loss Diminution in Transmission Network," 2023 IEEE 3rd International Conference on Sustainable Energy and Future Electric Transportation (SEFET), September 2023, pp. 1-5, ISBN:979-8-3503-1997-2, doi: 10.1109/SeFeT57834.2023.10245844, at Siksha O Anusandhan deemed to be University Bhubaneswar, India during 10-11 August 2023. **(Scopus Indexed)**.
7. LENIN KANAGASABAI, "Hybridization of Human Supporter Optimization with Election Process of the Indian State Inspired Algorithm for Real Power Loss Reduction in WDN Egyptian Grid", 2023 IEEE International Conference on Power Electronics, Smart Grid, and Renewable Energy (PESGRE), 31 January 2024, pp. 1-6, doi: 10.1109/PESGRE58662.2023.10404883, ISBN:979-8-3503-1058-0, held on 17-20 December 2023 at Trivandrum, India. **(Scopus Indexed)**.
8. LENIN KANAGASABAI, "Enriched Melanosuchus search Optimization and Downhill snowboarding inspired Algorithm for True Power Loss Lessening in Electrical Transmission System", 2023 IEEE International Conference on Power Electronics, Smart Grid, and Renewable Energy (PESGRE), 31 January 2024, pp. 1-6, doi: 10.1109/PESGRE58662.2023.10404581, ISBN:979-8-3503-1058-0, held on 17-20 December 2023 at Trivandrum, India. **(Scopus Indexed)**.
9. LENIN KANAGASABAI, "Chaotic Lévy Based Supportive Action of Yellow Watchman Goby - Pistol Shrimp Search and Individual Deeds Based Optimization Algorithms for Active Power Loss Lessening in Electrical Transmission System", 2023 IEEE 3rd International Conference on Smart Technologies for Power, Energy and Control (STPEC), 19 February 2024, ISBN:979-8-3503-0474-9, held on 10-13

December 2023 at Bhubaneswar, India, DOI: 10.1109/STPEC59253.2023.10431174  
**(Scopus Indexed).**

10. LENIN KANAGASABAI, “Quality of Electrical Power Improvement by Novel Sonoran Pronghorn Movement and Quaking Aspen Optimization Algorithms”, 2023 IEEE 3rd International Conference on Smart Technologies for Power, Energy and Control (STPEC), 19 February 2024, ISBN:979-8-3503-0474-9, held on 10-13 December 2023 at Bhubaneswar, India, DOI: 10.1109/STPEC59253.2023.10430947  
**(Scopus Indexed).**
11. KANAGASABAI LENIN, “North West America Mackenzie Valley Wolf Population Updating during Hunting Inspired Optimization and Quasi-Opposition Based Indian Leopard Cat Swarm Algorithm for Real Power Loss Diminution in Electrical Grid Transmission System for Smart City”, 2023 IEEE International Transportation Electrification Conference (ITEC-India), 25 March 2024, pp. 1-6, ISBN: 979-8-3503-3781-5, held on 12-15 December 2023, Chennai, India. DOI: 10.1109/ITEC-India59098.2023.10471461. **(Scopus Indexed).**
12. Kamalesh MS, C. Bharatiraja, KUMAR CHERUKUPALLI, S. Sanal Kumar, Chandrasekar S, “Coupled Inductor Based SIDO-Buck Converter with Self-Adaptive Digital PWM Control for 12V/24V On-Board Lighting and Dashboard System for 48V-EV”, 2023 IEEE International Transportation Electrification Conference (ITEC-India), 25 March 2024, pp. 1-6, ISBN:979-8-3503-3781-5, held on 12-15 December 2023, Chennai, India. DOI: 10.1109/ITEC-India59098.2023.10471422. **(Scopus Indexed).**
13. K. Srija Lalitha, K. Sai Sri; G. Soundarya, K. Koushik, M. HEMANTH SAI, “Lemurs Algorithm for Optimal Location and Sizing of Distributed Generation in Electrical Distribution Network”, IEEE 2024 Third International Conference on Power, Control and Computing Technologies (ICPC2T), 25 March 2024, pp. 1-6, ISBN:979-8-3503-4921-4, 10.1109/ICPC2T60072.2024.10475004 held on 18-20 January 2024, Organized by Department of Electrical Engineering, National Institute of Technology Raipur, CG, India. **(Scopus Indexed).**
14. LENIN KANAGASABAI, “Enhanced African Queen Meliponula bee Mating Optimization Algorithm for Active Power Loss Diminution in Transmission System”, 6th 2024 International Youth Conference on Radio Electronics, Electrical and Power

Engineering (REEPE), IEEE, 29 February 2024 - 02 March 2024, Moscow, Russia Federation, ISSN: 2831-7262, ISBN:979-8-3503-8289-1, DOI: 10.1109/REEPE60449.2024.10479826, 09 April 2024, pp. 1-5 (**Scopus Indexed**).

15. LENIN KANAGASABAI, “Active Power Loss Lessening and Voltage Stability Enhancement by Hybrid Parenting Optimization-Wealthy and Poverty-Stricken Inspired Algorithm”, 6th 2024 International Youth Conference on Radio Electronics, Electrical and Power Engineering (REEPE), IEEE, 29 February 2024 - 02 March 2024, Moscow, Russia Federation, ISSN: 2831-7262, ISBN:979-8-3503-8289-1, DOI: 10.1109/REEPE60449.2024.10479826, 09 April 2024, pp. 1-5 (**Scopus Indexed**).
16. M. DEVIKA RANI, Durga Bhavani Gundeboyina, Haritha Chekuri, Keerthi Priya Bhimani, “Model Based Design of Electric Vehicle Propulsion System Using Simulink”, IEEE Bangalore section, 3rd International Conference for Innovation in Technology (INOCON 2024) , pp. 1-8, 06 May 2024 ISBN:979-8-3503-8193-1, held on 1-3 March 2024, Organized by Sai Vidya Institute of Technology , Karnataka , India. (**Scopus Indexed**).

## **B. Others**

1. LENIN KANAGASABAI, “Novel Loco Pilot Training Optimization and Rapid E-learning Inspired Algorithm for Solving the True Power Loss Reduction Problem in Electrical Transmission System”, Proceedings of the 9th Virtual International Conference on Science, Technology and Management in Energy, February 2024, ISBN 978-86-82602-03-3, pp. 33-40 Serbia, Belgrade, held on November 23-24, 2023. [https://energetics.cosrec.org/wp-content/uploads/2024/03/eNergetics\\_2023.pdf](https://energetics.cosrec.org/wp-content/uploads/2024/03/eNergetics_2023.pdf)
2. Dr. K. LENIN “Hybrid Red Kite- Four features of Industrial Production inspired-Dacelo leachii Optimization Algorithm for Solving Real Loss Diminution in Electrical Power Transmission System” International Conference on Sustainable Power and Energy Research (1st March 2024 to 03rd March 2024), Organized by Department of Electrical Engineering, National Institute of Technology, Warangal - 506004, Telangana, India. He received Best paper award (Cash prize of Rs. 1000) for the presented paper (in person).

## **BOOK CHAPTERS:**

### **A. Scopus Indexed:**

1. K. LENIN, “Hybrid Meotipa Pulcherrima—Echeneis Neucratoides Optimization Algorithm for True Power Loss Diminution in Electrical Network” Applied Mathematics, Modeling and Computer Simulation, Advances in Transdisciplinary Engineering, Hubei Zhongke Institute of Geology and Environment Technology, Wuhan , China, Volume 42, PP 901-912, January 2024, doi:10.3233/ATDE231030, ISBN; 978-1-64368-458-1 (print), 978-1-64368-459-8 (online). Proceedings of the 3rd International Conference (AMMCS 2023), held on 12 and 13 August 2023 in Wuhan, China (**Scopus indexed**)

[https://books.google.co.in/books?id=YHyEAAAQBAJ&pg=PA901&lpg=PA901&dq=Hybrid+Meotipa+Pulcherrima%E2%80%94Echeneis+Neucratoides+Optimization+Algorithm+for+True+Power+Loss+Diminution+in+Electrical+Network&source=bl&ots=4EWVMNQsfe&sig=ACfU3U0rYFPhpMg8KmLGpruwse\\_CjlBYmA&hl=en&sa=X&ved=2ahUKEwj8-amivtOEAxXTUGwGHUxnCMIQ6AF6BAgZEAM#v=onepage&q=Hybrid%20Meotipa%20Pulcherrima%E2%80%94Echeneis%20Neucratoides%20Optimization%20Algorithm%20for%20True%20Power%20Loss%20Diminution%20in%20Electrical%20Network&f=false](https://books.google.co.in/books?id=YHyEAAAQBAJ&pg=PA901&lpg=PA901&dq=Hybrid+Meotipa+Pulcherrima%E2%80%94Echeneis+Neucratoides+Optimization+Algorithm+for+True+Power+Loss+Diminution+in+Electrical+Network&source=bl&ots=4EWVMNQsfe&sig=ACfU3U0rYFPhpMg8KmLGpruwse_CjlBYmA&hl=en&sa=X&ved=2ahUKEwj8-amivtOEAxXTUGwGHUxnCMIQ6AF6BAgZEAM#v=onepage&q=Hybrid%20Meotipa%20Pulcherrima%E2%80%94Echeneis%20Neucratoides%20Optimization%20Algorithm%20for%20True%20Power%20Loss%20Diminution%20in%20Electrical%20Network&f=false)

### **B. Others**

1. Dr. CH. PADMANABHA RAJU, B. Raja Rajeswari, A. Satya Priyanka, B. Sravani, B. Surya Teja, “Energy Optimization in Micro-Grid”, Conference Proceedings International Conference on Emerging Advances and Applications in Green Energy (ICEAAGE-2024), PP: 149-157, ISBN : 978-93-6128-558-5. Organized by the Department of Electrical and Electronics Engineering on 29th February 2024, Prasad V. Potluri Siddhartha Institute of Technology, Kanuru, Vijayawada, Andhra Pradesh, India.
2. D. RAGALEELA, B. Jayasree, CH. Tejaswini, B. Rupa, K. Naga Vedika, “Development And Performance Observation Of Battery Electric Vehicle”, Conference Proceedings International Conference on Emerging Advances and Applications in Green Energy (ICEAAGE-2024), PP: 184-190, ISBN : 978-93-

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