

Department of Electrical Engineering, H.B.T.U, Kanpur

List of Publications (Journals/Conferences/Chapters) of Last Three Years

S.N	Name of the Faculty	Title of The Paper	Name of the Journal/Conference	Referred Journals/Conferences with indexing	Year of Publication	DOIs	Citation Details (Google Scholar)
1	Sanjiv Kumar	A Four-Level Inverter Fed Open-End Winding Induction Motor Drive for Sugarcane Shredder in Sugar Industry	IEEE Transaction on Power Electronics, 2024, pp. 1-11 ISSN: 0885-8993	SCI H index: 299	March-2024	DOI: 10.1109/TPEL.2024.3381794	01
2	Sanjiv Kumar	A Noval Multilevel Inverter Fed Open-End Winding Coupled Induction Motor Drive for Sugar Industry	IEEE Transaction on Energy Conversion, Vol. 38, Issue. 4, December 2023, pp. 2706-2716 ISSN: 0885-8969	SCI H index: 193	2023	DOI:10.1109/TEC.2023.3294301	01
3	Chandra Bha Vishwakarma	Applications of Simplified Dynamic Models in Control System Engineering	Sardar Patel Institute of Economic and Social Research, Vol. 53, No. 7(1). ISSN: 0378-5468	UGC-Care	2024	--	0
4	Chandra Bhan Vishwakarma	State of Charge Estimation Techniques of Li-Ion Battery of Electric Vehicles	E-prime- Advances in Electrical Engineering, Electronics and Energy. ISSN: 2772-6711	SCOPUS	2023-24	https://doi.org/10.1016/j.prime.2023.100328	--

5	Chandra Bhan Vishwakarma	Optimized Dynamic System simplification Methods using GA and SA	A bi-annual journal of Sardar Patel Institute of Economic and Social research, Vol. 53, No. 7(1). ISSN: 0378-5468	UGC-Care Group-I	2023-24	---	--
6	Chhabindra Nath Singh	Jaya optimization –based approximation of LTI systems using stability equations	<u>2023 International Conference on Power, Instrumentation, Energy and Control (PIECON)</u> , 2023, Aligarh India. ISBN:979-8-3503-9977-6	IEEE Xplore	2023-24	DOI: 10.1109/PIECON56912.2023.10085851	0
7	Chhabindra Nath Singh	Design of Integrated Power System using Virtual Inertia Control	International Journal of Noval research and development (IJNRD), Vol. 8, Issue.9, 2023	Google Scholar	2023-24	---	0
8	Chhabindra Nath Singh	Introduction of Shrink Uncertainty for Downsizing the order of large scale interval systems	Journal of Namibian studies, Vol. 35, pp. 18-32, 2023 ISSN: 18635954	SCOPUS	2023-24	https://doi.org/10.59670/jns.v35i.4194	0
9	Chhabindra Nath Singh	Marine Predators Algorithm based stable approximations of linear time invariant continuous systems	Journal of Namibian studies, Vol. 35, pp. 3881-3904 , 2023 ISSN: 18635954	SCOPUS	2023-24	https://doi.org/10.59670/jns.v35i.4294	0
10	Chhabindra Nath Singh	A Review on Automatic Control in Power System	International Journal for Multidisciplinary Research , Vol.5, Issue.5, pp. 1-12, 2023 E-ISSN: 2582-2160	Google Scholars	2023-24	https://doi.org/gsq_r4w	0
11	Chandra Bhan Vishwakarma	Order Reduction of linear dynamic system using recursive pole array technique and Pade approximation	5 th –International Conference on recent development in control, automation & power engineering, 12-13 October, 2023, Amity university Noida.	--	2023-24	--	--

12	Chandra Bhan Vishwakarma	An employment of PID Controller based genetic algorithm for the load frequency control of two area power system network	5 th –International Conference on recent development in control, automation & power engineering, 12-13 October, 2023, Amity university Noida.	--	2023-24	--	--
13	Afroz Alam	Optimal Placement of Reclosers in radial distribution systems	IEEE Silchar Subection Conference (SILCON) ISBN:978-1-6654-7101-5	IEEE Xplore	2022-23	10.1109/SILCON55242.2022.10028910	2
14	Afroz Alam	Optimal Placement of Faulted Circuit Indicators in radial Distribution Systems	2 nd International Conference on Emerging Frontiers in Electrical and Electronics Technologies (ICEFEET) ISBN:978-1-6654-8876-1	--	2022-23	DOI: 10.1109/ICEFEET51821.2022.9848392	1
15	Sundaram Mishra	Performance Study of Grid Connected Doubly Fed Induction Generator Designed for Small Hydro Power Plant	<u>River and Coastal Engineering</u> pp 359–375. ISBN978-3-031-05056-5	Book Chapter	2022-23	https://doi.org/10.1007/978-3-031-05057-2_31	0
16	Chhabindra Nath Singh	Colliding Bodies Optimization based approximants of Linear Time in-variant Continuous Time Systems	IEEE Conference on ANZCC-2022 ISBN:978-1-6654-9888-3	IEEE Xplore	2022-23	DOI: 10.1109/ANZCC56036.2022.9966957	0
17.	Afroz Alam	Optimal Placement of Faulted Circuit Indicators in radial distribution systems	2 nd International Conference on Emerging Frontiers in Electrical and Electronics Technologies (ICEFEET) ISBN:978-1-6654-8876-1	IEEE Xplore	2022-23	DOI: 10.1109/ICEFEET51821.2022.9848392	1
18	Chhabindra Nath Singh	Slime Mould Optimization –based Approximants of large-scale linear time invariant continuous time systems with assured stability	Circuit, Systems and signal processing , Vol. 42, pp. 1419-1437. ISSN 1531-5878	SCIE, SCOPUS IF=2.3	2022-23	https://doi.org/10.1007/s00034-022-02153-w	4

19	Yaduvir Singh	Rapid Fault Detection with Periodic Update Feature for Transmission Line Parameters in HVDC Grids	IETE Journal of Research, 2022. Pp.1-11 ISSN: 03772063	SCI IF=1.87	2022-23	DOI: 10.1080/03772063.2022.2153751	0
20	Chandra Bhan Vishwakarma	An Evolutionary Optimization Technique for Time Domain Modelling	International Journal of Social Ecology and Sustainable Development, Vol. 13,, Issue. 2, pp .1-13 ISSN: 1947-8402	SCOPUS	2022-23	DOI: 10.4018/IJSESD.302470	0
21	Afroz Alam	Comparative Analysis of Conventional PID Controller and Fuzzy Controller for load frequency and Voltage Control	Journal of Engineering and Science , Vol.1 , No.1, 2022. eISSN 2976-1190	UGC care	2022-23	https://doi.org/10.3126/jes2.v1i1.58453	0
22	Afroz Alam	An MPPT method using hybrid radial movement optimization with teaching-learning based optimization under fluctuating atmosphere conditions	Journal of Intelligent and Fuzzy Systems, Vol. 42(2), pp. 807-816. ISSN 1064-1246	UGC Care	2022-23	https://doi.org/10.3233/JIFS-189750	11
23	Chandra Bhan Vishwakarma	A hybrid approach for simplification using logarithmic clustering and moments matching	International Journal of Social Ecology and Sustainable Development, Vol. 13,, Issue. 2, pp .1-15 ISSN: 1947-8402	SCOPUS	2022-23	DOI: 10.4018/IJSESD.302467	1
24	Sanjiv Kumar	Performance comparison of electric drives for chopping/shredding sugarcane in sugar industry	AIUB Journal of Science and Engineering, Vol.22, Issue.1, pp. 14-23. ISSN: 1608-3679	SCOPUS	2022-23	https://doi.org/10.53799/ajse.v22i1.282	0
25	Chhabindra Nath Singh	Approximation of commensurate fractional –order systems using colliding bodies optimization	<u>13th Asian Control Conference (ASCC)</u> ISBN:978-1-6654-9134-1	IEEE Xplore	2022-23	DOI: 10.23919/ASCC56756.2022.9828143	0

26	Yaduvir Singh	A fast –executing single ended fault location method using transmission line characteristics for wind parks integrated HVDC network	Electric Power Systems Research, Vol. 201. 2021. ISSN: 1873-2046	SCIE IF=3.9	2021-22	https://doi.org/10.1016/j.eprs.2021.107552	3
27	Sanjiv Kumar	Performance evaluation f 18-level inverter fed open-end winding IM Drive	IETE Journal of Research, Vol. 67, No.2, pp.253-262. ISSN: 03772063	SCIE	2021-22	https://doi.org/10.1080/03772063.2018.1532821	0
28	Sanjiv Kumar	An Industrial survey on electric drives and scope of multilevel inverter based induction motor drives in sugar industry	An International Journal of Sugar Crops and Related Industries, Sugar Tech 23 (2021): 709 - 719. ISSN: 0972-1525	Google Scholar IF= 1.9	2021-22	DOI:10.1007/s12355-020-00940-w	2
29	Chhabindra Nath Singh	Modified eigen permutation – based model simplification of LTI systems using evolutionary algorithm	Intelligent Algorithms for Analysis and Control of Dynamical Systems. Algorithms for Intelligent Systems. Springer, Singapore. ISSN: 2524-7565	Book Chapter	2021-22	https://doi.org/10.1007/978-981-15-8045-1_5	4
30	Chhabindra Nath Singh	A mixed approach for model reduction using differential evolution and eigen permutation	Intelligent Algorithms for Analysis and Control of Dynamical Systems. Algorithms for Intelligent Systems. Springer, Singapore. ISSN: 2524-7565	Book Chapter	2021-22	https://doi.org/10.1007/978-981-15-8045-1_6	4
31	Chandra Bhan Vishwakarma	Conventional and Evolutionary Order Reduction Techniques for Complex Systems	International Journal of Information Technology and Web Engineering, Vol.16, Issue. 4, pp.74-98, Oct 2021 ISSN: 1554-1045	SCOPUS	2021-22	https://doi.org/10.4018/IJITWE.2021100104	1

32.	Chandra Bhan Vishwakarma	An evolutionary optimization technique for time domain modelling	International Journal of Social Ecology and Sustainable Development, Vol. 13, Issue. 02, article 09, March 2022 ISSN: 1947-8402	SCOPUS	2021-22	DOI: 10.4018/IJS ESD.302470	0
33	Chandra Bhan Vishwakarma	A Hybrid approach for simplification using logarithmic approach and moment matching	International Journal of Social Ecology and Sustainable Development, Vol. 13(2), pages 1-15, March 2022. ISSN: 1947-8402	SCOPUS	2021-22	DOI: 10.4018/IJS ESD.302467	1