

## List of Publications (SCI/Scopus/UGC/other reputed Journals and Conferences)

### Dr. Kanwardeep Singh

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.	INDEXING(SCI/Scopus/UGC/Others)
Anu Singla, <b>Kanwardeep Singh</b> and Vinod Kumar Yadav	Optimization of Distributed Solar Photovoltaic Power Generation in Day-Ahead Electricity Market Incorporating Irradiance Uncertainty	Journal of Modern Power System and Clean Energy	Volume 9, No. 3, May 2021, pp. 545-560.	2021	Print/Electronic ISSN: 2196-5625 /2196-5420,	SCIE, Impact factor 3.09
Anupam Mittal and <b>Kanwardeep Singh</b>	Control of Market Power Using Demand Responsiveness in Congested Restructured Power System Networks	International Conference on Computing, Networks & Renewable Energy, IKG Punjab Technical University, Kapurthala, August 5-6, 2021.		2021		Others
Parminder Singh and <b>Kanwardeep Singh</b>	Electric Load Forecasting Using Bi-LSTM Based Artificial Neural Technique	International Conference on Computing, Networks & Renewable Energy, IKG Punjab Technical University, Kapurthala, August 5-6, 2021.		2021		Others
Mukesh and <b>Kanwardeep Singh</b>	Contingency Ranking Through Different Methods and Reliability Enhancement Using Distributed Generation	8th International Conference on Advancements in Engineering and Technology, BGIET, Sangrur, India, March 20-21, 2020	pp. 632-636.	2020	ISBN No: 978-81-924893-5-3	Others
Anu Singla, <b>Kanwardeep Singh</b> and Vinod Kumar Yadav	Transmission congestion management considering modeling of solar photovoltaic distributed generator in deregulated power system	International Journal of Recent Technology and Engineering	Volume-8 Issue-3, September 2019, pp. 2086-2093	2019	ISSN: 2277-3878	UGC
Bharti Koul, <b>Kanwardeep Singh</b> and Yadwinder Singh Brar	An Integration of Smart Grids with Demand Side Management and Renewable Energy: A Review	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	vol. 9, Issue 4, pp. 839-848, Aug 2019	2019	ISSN(P): 2249-6890; ISSN(E): 2249-8001	(UGC approved)
Shubham Gupta, <b>Kanwardeep Singh</b> , and Vinod Kumar Yadav	Transmission Expansion Planning Using in Deregulated Electricity Markets using Multi-Criteria Data Envelopment Analysis (MCDEA)	8 <sup>th</sup> international conference on Power System, Malavia National Institute of Technology, Jaipur, Dec. 20-22, 2019		2019		Scopus
Vinod Kumar Yadav, <b>Kanwardeep Singh</b> and Shubham Gupta	Market-Oriented Transmission Expansion Planning Using Non-Linear Programming and Multi-Criteria Data Envelopment Analysis	Int. Jour. Sustainable Energy, Grids and Network	Vol. 19, Sept. 2019.	2018	ISSN: 2352-4677,	Science Citation Index Expanded, impact factor 2018: 3.182
Bharti Koul, <b>Kanwardeep Singh</b> and Y.S. Brar	Demand Side Management of Residential, Commercial and Industrial Consumers in Smart Grids using Load Shifting	National Electrical Engineering Conference, held at GNDEC, Ludhiana, Nov. 16-17, 2018.		2018		Others
Puneet and <b>Kanwardeep Singh</b>	Self Scheduling of a Renewable Hybrid Energy Utility Considering Unscheduled Interchanges	2 <sup>nd</sup> IEEE International conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES-2018), DTU, Delhi, Oct. 22-24, 2018.		2018		Others
A. Singla, R. Pandey, R. Sharma, J. Madan, <b>K. Singh</b> , V.K. Yadav, and R. Chaujar	Numerical Simulation of CeOx ETL based Perovskite Solar Cell:- An Optimization Study for High Efficiency and Stability	Proc. Conference IEEE Electron Devices Kolkata (EDKCON), Kolkata, India, 2018.	pp. 278-282	2018		Scopus
Manish Harchand and <b>Kanwardeep Singh</b>	Congestion Management in Deregulated Power System Using Market Splitting Based Approach	International Journal of Engineering and Innovative Technology (JEIT)	Volume 7, Issue 1, July 2017, pp. 42-48	2017	ISSN: 2277-3754	Others
Harleen Kaur and <b>Kanwardeep Singh</b>	Modification in existing two part tariff structure incorporating the effect of locational marginal pricing for Indian utility system	The Journal of Central Power Research Institute (CPRI), Bangalore	Vol. 13, No. 3, pp. 455-462, Sept. 2017	2017	ISSN 0973-0338	Others
<b>Kanwardeep Singh</b>	Congestion Management in Deregulated Power System using Market splitting based approach	International Journal of Engineering and innovative Technology	Vol.7	2017		Others

Deepika Jindal, <b>Kanwardeep Singh</b>	A load flow based approach for reactive power evaluation in deregulated power systems	International journal of computer applications	Vol.2	2016		Others
Kaur, N., <b>Singh, K.</b> , Kansal, S.	Optimal placement of distributed generator in transmission system using an algorithmic approach	India International Conference on Power Electronics, IICPE		2015		Others
Singla, A., <b>Singh, K.</b> , Yadav, V.K., Padhy, N.P.	Development of distributed solar photovoltaic energy market in India	IEEE Power and Energy Society General Meeting		2015		Others
Singla, A., <b>Singh, K.</b> , Yadav, V.K.	Environmental effects on performance of solar photovoltaic module	2016 - Biennial International Conference on Power and Energy Systems: Towards Sustainable Energy, PESTSE 2016		2016		Others

### Dr. Arvind Dhingra

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.	INDEXING(SCI/Scopus/UGC/Others)
A. Khanna, R. Pandey, J. Madan and <b>A.Dhingra</b>	Numerical Simulation and Optimisation of Wide Bandgap (1.45eV) PbS-CQD Solar Cell for 14% Conversion Efficiency	48th IEEE Photovoltaic Specialists Conference (PVSC 48)		2021		Others
A. Khanna, R. Pandey, J. Madan and <b>A.Dhingra</b>	Thickness Optimisation and Defect Analysis of Wide Bandgap PbS-CQD Solar Cell by SCAPS-1D Simulations	48th IEEE Photovoltaic Specialists Conference (PVSC 48)		2021		Others
<b>Dhingra Arvind</b> , Kaur Harpreet,Gupta Surbhi	Agricultural waste assessment for the optimal power generation in Ludhiana district, Punjab, India	Elsvier Materials Proceedings		2021	2214-7853	Others
<b>Dhingra Arvind</b> , Singh Parminder, Nijhawan Parag	Model reduction of linear time invariant SISO systems using different optimal techniques	International Conference on Sustainable Developments through Engineering Innovations SDEI'20, Guru Nanak Dev Engineering College, Ludhiana		2020		Others
<b>Dhingra Arvind</b> , Nijhawan Parag, Manish Kumar Singla, Meera Sharma	Sensor based optimization of energy in internet of things: A review	International Conference on Sustainable Developments through Engineering Innovations SDEI'20, Guru Nanak Dev Engineering College, Ludhiana		2020		Others
<b>Dhingra Arvind</b> , Sidhu Sukhjot	Day ahead forecasting in PSPCL	International Conference on Sustainable Developments through Engineering Innovations SDEI'20, Guru Nanak Dev Engineering College, Ludhiana		2020		Others
<b>Dhingra Arvind</b> , Singh Tejinder	Energy conservation for sustainable future	International Conference on Sustainable Developments through Engineering Innovations SDEI'20, Guru Nanak Dev Engineering College, Ludhiana		2020		Others
<b>Dhingra Arvind</b> , Kumar Ashwani	Comparison & Validation of a real time Simulink model of induction furnace	Test Engineering & Management	Vol. 83	2020		Scopus
<b>Dhingra Arvind</b> , Rai VJ	Startup eco system in India: Growth and Challenges	Apeejay Journal of Technology and Management	Vol.15, No.1 &2	2020		Others
<b>Dhingra Arvind</b> , Kaur Babandeep	A review of current control techniques for Active power filter applications	International Conference on Intelligent Machines(ICIM'19) Baba Farid College of Engineering & Technology, Bhatinda		2019		Others
<b>Dhingra Arvind</b> , Mangat Ramandeep, Harjaw Anmol	Air Pollution: The present day dilemma	International Journal of Innovations in Engineering & Technology (IJJET)	Vol.12, Issue 2	2019	2319-1058	Others
<b>Dhingra Arvind</b> , Rai V.J	Emerging Trends in higher Education in India	National Conference on Spectrum of emerging education, employment and business opportunities, Baba Khazan Das College of Management Technology, Bhutta		2018		Others
<b>Dhingra Arvind</b> , Kaur Babandeep	<b>A review of active power filter techniques for current control applications</b>	<b>Journal of engineering and Economic development,</b>	4(2)	2018	<b>2284-7995</b>	Others
<b>Dhingra Arvind</b> , Gupta Nitish	Power loss reduction in radial network using flower pollination approach	International Research Journal of Engineering & Technology (IRJET)	vol.5, Issue 8	2018		Others

<b>Dhingra Arvind,</b> Kumar Ashwani	Comparison and validation of a real time Simulink model of induction furnace	International conference on latest concepts in science, technology and management (ICLCSTM-2017)		2017		Others
<b>Dhingra Arvind,</b> Kumar Ashwani	Pulse width Modulation Approach to Current harmonic mitigation in an induction furnace	International Interdisciplinary conference on Science, Technology Engineering Management Pharmacy and Humanities		2017		Others
<b>Dhingra Arvind,</b> Singh Jajwinder	review of Hybrid Solar-Biomass plant for power generation	1 <sup>st</sup> International conference on Engineering, Research and application 2017, ERA'17, University School of Engineering and Technology, Rayat Bahra University, Mohali		2017		Others
<b>Dhingra Arvind,</b> Singh Ranjit	Use of Energy Efficient Motors in Rice mill industry: a case study	Grenze International Journal of Engineering and Technology	Vol.3, no.1	2017		Others
<b>Dhingra Arvind,</b> Kumar Ashwani	Comparison & Validation of Real Time Simulink model of induction furnace	International Journal of Electronics, Electrical and Computational System, IJECS	vol. 6, Issue 2	2017	2348-117X	Others
<b>Dhingra Arvind,</b> Singh Sahibjot, Sra Jaswinder Singh	Carbon Credits and Carbon Trading: Impact on climate change	International Journal of Engineering, Research and Applications	Vol.7, Issue8 (Part Vii)	2017	2248-9622	Others
<b>Dhingra Arvind,</b> Mehta Shivender,	Energy Optimization in an industrial building: a case study of Henkel India Pvt Ltd.,	International Journal of Advanced Research in Electrical, Electronics and instrumentation	vol.5	2016	ISSN:2278-8875	Others
Kumar Amit , <b>Dhingra Arvind</b>	Unscheduled Interchanges under ABT	ITAR		2016	ISBN:9788192958040	Others
<b>Dhingra Arvind,</b> Mehta Shivender,	Energy Optimization in an industrial building: a case study of Henkel India Pvt Ltd.,	International Journal of Advanced Research in Electrical, Electronics and instrumentation	vol.5	2016	ISSN:2278-8875	Others
<b>Dhingra Arvind,</b> Maheshwari Shimpy,	Demand side management based on power quality parameters with special reference to industrial loads,	International Journal of current engineering and scientific research,	Vol.2	2015	Issue-10,ISSN :2393-8374	Others
<b>Dhingra Arvind,</b> Maheshwari Shimpy,	Demand side management based on power quality parameters with special reference to industrial loads,	International Journal of current engineering and scientific research,	Vol.2	2015	Issue-10,ISSN :2393-8374	Others

#### Dr. Navneet Singh Bhangu

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.	INDEXING(SCI/Scopus/UGC/Others)
<b>Navneet Singh Bhangu,</b> Rupinder Singh, G.L.Pahuja	Performance Analysis of s-unidentical k-out-of-n System using Reliability Block Diagram and Fault Tree Technique: A Case Study	Journal of Engineering & Technology Education	Volume 14 No. 2	2021 (In Press)	2229 – 631X	UGC
<b>Navneet Singh Bhangu,</b> Sonia	Application of Fault Tree Analysis for Evaluating Reliability: A Case Study of Gear Box of Wind Turbine	International Journal of Advanced Science and Technology	29, 3, pp. 4486-4492	2020	2005-4238	Scopus
<b>Navneet Singh Bhangu,</b> Sonia	Risk Assessment of Gear Box of Wind Turbine using FMEA Approach	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	9,6, pp. 725-734	2019	2249-8001	Scopus
<b>Navneet Singh Bhangu,</b> Kiranpal Kour	Wind Turbine Reliability Analysis In Case of Wind Turbine Blades	International Journal of Innovative Research in Science, Engineering and Technology	Volume 8 Issue 10, pp. 9922-9929	2019	2319-8753	Other
<b>Navneet Singh Bhangu,</b> Rupinder Singh, G.L.Pahuja	Availability Performance Analysis of Thermal Power Plants	Journal of The Institution of Engineers (India): Series C	Volume 100, No. 3, pp. 439-448	2019	2250-0545	UGC and Scopus
<b>Navneet Singh Bhangu,</b> Kiranpal Kour	Wind Turbine Reliability Analysis in case of Wind Generator	International Journal of Innovative Research in Science, Engineering and Technology	Volume 8 Issue 10, pp. 9371-9378	2019	2319-8753	Other
<b>Navneet Singh Bhangu,</b> Rajbir Kaur	Recognizing Faults of Transmission Line using Wavelet Analysis having Renewable Energy Source	International Journal of Science and Research (IJSR)	Volume 7 Issue 5, pp. 1503-1507	2018	2319-7064	Other
<b>Navneet Singh Bhangu,</b> Geetanjali	Availability Analysis & Maintenance Priorities Decision for Steam Flow Cycle of a Process Plant-A Case Study on Guru Gobind Singh Oil Refinery	Int. Journal of Engineering Sciences & Research Technology IJESRT	Volume 7 Issue 8, pp. 411-423	2018	2277-9655	Other

<b>Navneet Singh Bhangu, Geetanjali</b>	Water Flow System of a Coal Based Thermal Power Plant: A Review	International Journal of Advanced Computronics and Management Studies (IJACMS)	Volume 3, Issue 2, pp. 37-42	2018	2456-1835	Other
<b>Navneet Singh Bhangu, Rupinderjit Singh</b>	Implementation of Reliability Centered Maintenance (RCM) Technique on Boiler and Accessories in a Thermal Power Plant: A Case Study	Journal of Engineering and Economic Development	4, pp.1-10	2018	NA	NA
<b>Navneet Singh Bhangu, Jaspreet Kaur</b>	Evaluating Potential Failures of Power Transformer Using Failure Mode and Effects Analysis (FMEA)	International Journal Of Advanced Mechatronics And Robotics I J A M R © Serials Publications	9 (2), pp.33-38	2017	ISSN :- 0975-6108	Other
<b>Navneet Singh Bhangu, Gurpreet Kaur Bal</b>	Automatic Generation Control of a Multi-Source Power System using FOPID Controller by CSA	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Volume 5, Issue 8, pp. 1-6	2017	2321-9653	Other
<b>Navneet Singh Bhangu, Kamaljit Kaur</b>	Mitigation of commutation faults in HVDC system	International Journal of Engineering Science Invention	Volume 6, Issue 10, pp. 79-88	2017	2319 – 6734	Other
<b>Navneet Singh Bhangu, Kamaljit Kaur</b>	A Review on the Need of HVDC Transmission System	International Journal on Future Revolution in Computer Science & Communication Engineering	Volume: 3 Issue: 9, pp. 25-29	2017	2454-4248	Other
<b>N S Bhangu, Gurpreet Kaur</b>	Transient Stability Analysis of IEEE 9 Bus System using Power World Simulator	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)	Volume 5 Issue 4	2016		
<b>Navneet Singh Bhangu, Gurinder Gupta</b>	Grey wolf optimization technique for solving Economic load dispatch problem	International Journal of Industrial Electronics and Electrical Engineering ISSN: 2347-6982	Vol.4 Issue-9	2016	ISSN: 2347-6982	
<b>Navneet Singh Bhangu, Rupinder Singh, G.L.Pahuja</b>	Enhancing reliability of thermal power plant by implementing RCM policy and developing reliability prediction model: a case study	System Assurance Engineering and Management ISSN 0975-6809 DOI 10.1007/s13198-016-0542-z	Vol. 7 No. 4	2016	ISSN 0975-6809 DOI 10.1007/s13198-	
<b>Navneet Singh Bhangu, Jaspreet Kaur</b>	Condition Monitoring of Power Transformer using Failure Modes and Effects Analysis (FMEA)	International Journal of Innovative Research in Science, Engineering and Technology	Vol. 6, Issue 9, pp. 19108-19115	2017	2319-8753	Other

#### Er. Rupinderjit Singh

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.	INDEXING(SCI/Scopus/UGC/Others)
<b>Manmohit Sharma and Rupinderjit Singh</b>	Estimation of Power Generation using Bio Mass: A case study of Sirmaur District (H.P.)	Int. Research Jour. Of Modernization in Engineering Technology and Science	Vol.3, issue 7, July 2021	2021	2582-5208	
<b>Gagandeep kaur Gill, Rupinderjit Singh</b>	Bagasse Cogeneration Plant efficiency Improvement by using DEA Models	GNDEC, Ludhiana in association with indian Geotechnical Society SDEI Conference		2020	Issue 1, 978-93-89947-14-4	
<b>S. K. Jassi and Rupinderjit Singh</b>	Modelling and simulation of smart grid system in Simulink	LISD conf. And published in Jour. Of Oxford Uni. Library	01-01-20	2020		
<b>Bharti Koul Kanwardeep Singh and Rupinderjit Singh</b>	Electrical energy conservation: some issues	Journal of Engineering and Economic Development, Beverly Hills	Vol. 4, issue. 2, pp.114-120, July 2018.	2018		
<b>Dalvir Singh and Rupinderjit Singh Kathuria</b>	Fault analysis of PV array system: A review	Int. Jour. of Advanced Computronics and Management Studies (IJACMS)	Vol. 3, issue 2, April 2018, pp. 23-29	2018	2456-1835	
<b>Azadwinder Singh and Rupinderjit Singh Kathuria</b>	Computational simulation and optimization of poly-Generation system using HOMER PRO	10 <sup>th</sup> Annual Int. Conf. On Global Business, Engineering, Energy, Agriculture and Health, Detroit, Michigan, USA	Dec. 29-30, 2017	2017		
<b>Kaur Gill Gagandeep, Singh Rupinderjit, Singh Manjeet</b>	Month wise Efficiency Evaluation of Bagasse Cogeneration Plant by DEA TOOL (CCR Model)	International Journal of Enhanced research in science Technology and Engineering		2015		Others

Kaur Gill Gagandeep, <b>Singh Rupinderjit</b> , Singh Manjeet	Estimating the Correlation between the Calorific Value and Elemental Components of Biomass using Regression Analysis	International Journal of Industrial Electronics and Electrical Engineering	Vol.3	2015	Issue-9,ISSN: 2347-6982	Others
<b>Singh Rupinderjit</b>	Technical Analysis of Micro hydel plants in punjab	IJSR	Vol-4	2015		Others
<b>singh rupinderjit</b>	Energy security-The issue of present Time	IEEE Conference ICIEA 2015		2015		Others
<b>singh rupinderjit</b>	Estimating the corelation between the calorific value and elemental components of biomass using regression analysis	ICET		2015		Others

#### **Er. Preetinder Singh**

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.	INDEXING(SCI/Scopus/UGC/Others)
Singh Preetinder	Residual Life Assessment with DGA, Furan Control in Transformer Oil and Degree of Polymerisation of Solid Insulation	International Journal of Science, Research and Development	vol 6	2016	Issue 7,ISSN: 2250-3153	Others

#### **Er. Harmeet Singh Gill**

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.	INDEXING(SCI/Scopus/UGC/Others)
Harmeet Singh Gill, Priyanka	Perception of Ziegler Nichols Method for Tuning Of Hydraulic Governor	International Journal for Research in Emerging Science and Technology (IJREST)	Vol. 3	2016	Issue-3,e-ISSN 2349-7610	Others

#### **Er. Ravinder Kaur**

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.	INDEXING(SCI/Scopus/UGC/Others)
<b>Ravinder kaur</b> ,Binny Sharma	comparative study of multi level inverters based on the output total Harmonic distortion	International Reasreach journal of Engineering Technology	volume 8 issue 2	2021	2395-0072	Others
Hilal Ahmad Bhat, <b>Er. Ravinder Kaur</b>	POWER QUALITY Ehancement using UPQC - 14 BUS IEEE SYSTEM	IJSRT	volume 2,page 526-537	2018	ISSN: 2277-9655	others
<b>Ravinder kaur</b>	Control and Automation of industrial machines using electrical drives	Journal of Engineering and Economic Development	4(N1),17-25	2018	ISSN:2352-7285	others
<b>Ravinder Kaur</b> ,Samreet Gosal	Power Quality Enhancement using UPQC - 14 Bus IEEE System	National Electrical Engineering Conference		2018	ISBN no.978-93-5346-161-4	Others
<b>Ravinder Kaur</b> , Neha Kaushal	Control and Automation of Industrial Machines using Electrical Drives	Journal of Engineering and Economic Development	NA	2018		Others
<b>Ravinder Kaur</b> , Saliha Aarif	Improvement of power quality using photovoltaic dynamic voltage restorer	International journal for research in applied science and engg. Technology	vol. 3	2017	Issue 2	Others
<b>Kaur Ravinder</b> , Kaur Boparai Ramandeep	A review: HVDC application of solar power and its control	International Journal for Advanced research in science, engineering and techonology	vol. 3	2016	Issue 3, ISSN: 2350-0328	Others
<b>Kaur Ravinder</b>	GSM Based Automatic meter reading- A Review	International Journal of recent research in electrical and electronics Engineering	vol. 2	2016	Issue 2, ISSN: 2349-7815	Others
<b>Kaur Ravinder</b> ,Kaur Kamaldeep	Energy management system using PLC and Scada	International Journal of Engineering Research and Technology	vol. 3	2016	Issue 11, ISSN: 2278-0181	Others

#### **Er. Samreet Kaur**

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.	INDEXING(SCI/Scopus/UGC/Others)
<b>kaur samreet</b> et.al	Fesibility study of grid connected roof top based solar power plant	IJTRS	vol.1	2016	issue 2, issn 2454-2024	Others
<b>kaur samreet</b> et.al	Fesibility study of hybrid power plant	IJRTER	vol 2	2016	ISSN:2455-1457	Others

#### **Er. Baljeet Singh**

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.	INDEXING(SCI/Scopus/UGC/Others)
Pf. Kuldeep Singh <b>Pf. Baljeet Singh</b> Er. Shikha Chaudhary	Optimal Placement of phasor measuring unit in power system	International Journal of Engineering Sciences & Research Technology	Volume 10	2021	2277.9655	
Pf. Puneet, <b>Pf. Baljeet Singh</b>	Power Quality Improvement in Power System using UPFC	International Journal of all Research education and Scientific methods	volume9, issue 5	2021	2455-6211	

Pf. Puneet, <b>Pf. Baljeet Singh</b>	Impact of Upfc on the Power Quality in Grid	International Journal of Engineering Applied Sciences and Technology	volume 5, issue 9	2021	2455-2143	
<b>Pf. Baljeet Singh</b> Pf. Kuldeep Singh Pf. Amandeep Singh, Pf. Karanbir singh	Simulation Analysis of Intelligent Controllers in Deregulated Power Systems	International Congress on “Sustainable Development Through Engineering Innovations”		2020		
<b>Prof. Baljeet singh</b> , Sheroz ahmad malik	Application of UPFC facts device for improving power system stability	INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH Technology		2019		
<b>Pf. Baljeet Singh</b> Pf. Kuldeep Singh Pf. Amandeep Singh	Effect on CT Ratio & Circuit Breaker Rating Due To Nearby New Generation Station	IEEE Conference ICE2M2019		2019		
<b>Pf. Baljeet Singh</b> , Bhagwant Singh	Comparative Analysis of First, Second and Third Generation Fact Devices	International Journal of Advanced Computronics and Management Studies	volume 3, issue	2018	2456-1835	
<b>Pf. Baljeet Singh</b> , Ramandeep Singh	POWER QUALITY IMPROVEMENT IN THREE PHASE GENERATION SYSTEM USING SHUNT ACTIVE POWER FILTERS	INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH	volume 7, issue	2018	2277-9655	
<b>Pf. Baljeet Singh</b> Pf. Kuldeep Singh Pf. Amandeep Singh	Simulation Analysis of Wireless Power Transmission for electric vehicle applications	National Electrical Engineering Conference (NEEC-2019) ,GNDEC, Ludhiana		2018		
<b>Pf. Baljeet Singh</b> Pf. Kuldeep Singh Pf. Amandeep Singh	Analysis of IEEE 14 BUS systems for placement of Phase Measurement Unit (PMU) using power system.	National Electrical Engineering Conference (NEEC-2019) ,GNDEC, Ludhiana		2018		
Kaur Sukhdeep, <b>Singh Baljeet</b>	Design of 24 Bus System Using minimum Phase Measurement Unit in Power System Analysis Toolbox	International journal of engineering science and research technology	vol.06	2017	issue 7	Others
Singh Sumanjot, <b>singh Baljeet</b> , singh	A Novel IWD Algorithm Based Stability Improvement of PV- Hydro	International Journal of Advance Research in Science, Engineering And Technology	vol.no.4	2017	issue 7	Others
kaur Sumeetpal, <b>singh Baljeet</b> ,singh Jaswinder	Optimal Placement of Phasor Measurement Units on IEEE-24 bus system using PSAT	International journal of engineering science and research technology	vol. 5	2016	issue 1,ISSN:2277-9655	Others
kaur Sumeetpal , <b>singh Baljeet</b>	A review : Potential of Phasor Measurement units	International journal of engineering research and general science	vol.2	2016	issue 2,ISSN:2091-2730	Others
kaur Sumeetpal, <b>singh Baljeet</b> , singh Jaswinder	Role of Synchronised phasor measurement units in power system	International journal of engineering research and general science	vol.3	2015	2091-2730	Others
Kaur Sumeetpal, <b>Singh Baljeet</b> , Singh Jaswinder	Comparing different methods of optimal PMU placement on IEEE 6 and 9 bus test system using PSAT	Eco-Sensitive Developments in Science & Technology		2017		Others
<b>Singh Baljeet</b> , Singh Jaswinder	Enhancement of operational efficiency of existing power system with the help of PMUS technology based on gps clock	National Conference on Advanced in Electrical & Electronics Communication Engineering[AEECE-2015]		2015		Others

#### Er. Kuldeep Singh Kooner

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.
<b>Pf. Kuldeep Singh</b> Pf. Baljeet Singh Er. Shikha Chaudhary	Optimal Placement of phasor measuring unit in power system	International Journal of Engineering Sciences & Research Technology	Volume 10	2021	2277.9655
<b>Pf. Kuldeep Singh</b> Pf. Karanbir Singh Er. Shikha Chaudhary	Optimal Placement on Extra High Voltage Bus System of Northern Eastern Region of Indian Power Grid Using PSAT	International Journal of Engineering Sciences & Research Technology	Volume 10	2021	2277.9655
<b>Pf. Kuldeep Singh</b>	Home Energy Management System using WHALE Optimization Algorithm	International Conference on Computing, Network & renewable energy		2021	
Pf. Baljeet Singh <b>Pf. Kuldeep Singh</b> Pf. Amandeep Singh	Simulation Analysis of Wireless Power Transmission for electric vehicle applications	National Electrical Engineering Conference (NEEC-2019) ,GNDEC, Ludhiana		2018	
Pf. Baljeet Singh <b>Pf. Kuldeep Singh</b> Pf. Amandeep Singh	Analysis of IEEE 14 BUS systems for placement of Phase Measurement Unit (PMU) using power system.	National Electrical Engineering Conference (NEEC-2019) ,GNDEC, Ludhiana		2018	
<b>Singh Kuldeep</b>	Effect of DC-DC converters on Fuzzy Logic based MPPT Algorithm for solar PV system	E- Journal	Vol. 2	2016	Issue 6
<b>Singh Kuldeep</b>	Optimal Generation Control of a Two-Area Interconnected Power System with	E- Journal	Vol. 2	2016	Issue 6

#### Er. Gagandeep Kaur Gill

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.	INDEXING(SCI/Scopus/UGC/Others)
<b>Gagandeep kaur Gill,</b> Rupinderjit Singh	Bagasse Cogeneration Plant efficiency Improvement by using DEA Models	GNDEC,Ludhiana in association with indian Geotechnical Society SDEI Conference		2020	Issue 1, 978-93-89947-14-4	Others
<b>Gagandeep kaur Gill,</b> Ravinder Kaur, Tarandeep kaur Gill	Efficiency Evaluation of Bagasse Cogeneration Plant by using DEA	145 <sup>th</sup> The IIER International Conference on Recent Innovations in Engineering and Technology (ICRIET) held in Toronto Canada		2017		Others
<b>kaur Gill</b> <b>Gagandeep,</b> Kaur Gill	Contribution of Renewable to energy supply security in the electricity sectors	International Journal of Enhanced research in science Technology and Engineering	vol. 4	2015	Issue 7, ISSN: 2319-7463	Others
<b>Kaur Gill</b> <b>Gagandeep,</b> Singh Rupinderjit, Singh Manjeet	Month wise Efficiency Evaluation of Bagasse Cogeneration Plant by DEA TOOL (CCR Model)	International Journal of Enhanced research in science Technology and Engineering		2015		Others
<b>Kaur Gill</b> <b>Gagandeep,</b> Singh Rupinderjit, Singh Manjeet	Estimating the Correlation between the Calorific Value and Elemental Components of Biomass using Regression Analysis	International Journal of Industrial Electronics and Electrical Engineering	Vol.3	2015	Issue-9,ISSN: 2347-6982	Others
<b>Gagandeep kaur Gill,</b> Rupinderjit Singh	Energy security-The issue of present Time	IEEE Conference ICIEA 2015		2015		Others

#### Er. Bhawna

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.	INDEXING(SCI/Scopus/UGC/Others)
<b>Bhawna</b>	Solar Energy Systems for Rural Development	National Conference on Advancement in Alternate Energy Resources for Rural Applications	Vol. 7 Issue 6 August 2015	2015		National Conference
<b>Bhawna</b>	Power Trading in Punjab:- A Case Study Of An Industry	Engineering and Technology, IJLTET-24456.	Vol. 5 Issue 4 July 2015	2015	2278-621X	International Journal
<b>Bhawna</b>	Bio-Energy	National Conference on Emerging trends in Electrical & Electronic Engineering held at DAVIAT	Vol.8 Issue 3 May 2013	2013		National Conference

#### Er. Arshdeep Kaur

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.	INDEXING(SCI/Scopus/UGC/Others)
<b>Arshdeep Kaur</b> <b>Kailay,</b> YS Brar	Identification of best load flow calculation method for IEEE-30 bus system using MATLAB	International Journal of Electrical and Electronics Research	Volume 3,155-161	2015	2345-6988	Others
<b>Arshdeep Kaur</b> <b>Kailay,</b> YS Brar	FACTS based power system optimization by using Newton Raphson technique	International Journal of Emerging Research in Management &Technology	Volume 5,1-7	2016	2278-9359	Others
Sukhdeep Singh Kailay, <b>Arshdeep</b> <b>Kaur Kailay</b>	Computer Oriented Power Flow Calculation For IEEE - 9 Bus System Using Newton Raphson Technique	International Journal of Engineering Research & Management Technology	Volume 5,37-43	2018		Others
<b>Arshdeep Kaur</b> <b>Kailay,</b> YS Brar	Optimization of Power System Using Static Synchronous Compensator to Enhance Voltage Stability	GNDEC,Ludhiana in association with indian Geotechnical Society	SDEI Conference	2020		Others

#### Er. Karanbir Singh

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.	INDEXING(SCI/Scopus/UGC/Others)
<b>KARANBIR SINGH,</b> Dr. SANDEEP KAUR	A Review: Framework-Approaches Of Trending Demand Side Load Management	INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING (IJRECE)	VOLUME 7, PAGE NO. G806	2019	ISSN: 2393-9028 (PRINT)  ISSN: 2348-2281 (ONLINE)	UGC
<b>KARANBIR SINGH,</b> Dr. SANDEEP KAUR, MANMEET KAUR, JASMEEN KAUR	Demand Side Management for cost and peak load optimization with load modelling	Intelligent Energy Management, Electronics, Electric & Thermal Power, Robotics and Automation (IEMERA)		2020		Others
<b>KARANBIR</b> <b>SINGH,</b> KULDEEP SINGH and AMANDEEP SINGH GHATORA	Residential Load Profile Optimization using DSM by incorporating Models of Appliances	INTERNATIONAL CONFERENCE ON SUSTAINABLE DEVELOPMENT THROUGH ENGINEERING INNOVATIONS		2020		Others
Shikha Chaudhary , Kuldeep Singh Kooner, <b>Karanbir Singh</b>	Optimal Placement on extra high voltage bus sytem of northern eastern region of Indian Power Grid using PSAT	INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE AND RESEARCH TECHNOLOGY	VOLUME 10	2021	2277.9655	Others

Mandeep Kaur, <b>Karanbir Singh</b> and Kuldeep Singh Kooner	Home Energy Management System Using Whale Optimization Algorithm	International Conference on Computing, Networks & Renewable Energy		2021		Others
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#### Er. Amrinder Kaur

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.	INDEXING(SCI/Scopus/UGC/Others)
<b>Amrinder Kaur</b>	Existing and Modern Developments of Cogeneration plant	ESDST-2017, BBSBEC,FGS		2017		others
<b>Amrinder Kaur</b>	Efficiency improvement and Electric Energy Saving using Energy Efficient Motors	AEECE- 2015, BBSBEC,FGS		2015		others
<b>Amrinder Kaur</b>	Energy and cost saving by replacing standard Induction motor with Energy Efficient Motors (A case Study)	IJCA	973-93-80892-16-3	2015		others
<b>Amrinder Kaur</b>	Energy and cost saving by replacing standard Induction motor with Energy Efficient Motors (A case Study)	AERA-2015 Chandigarh University		2015		others

#### Er. Swapandeep Kaur

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.	INDEXING(SCI/Scopus/UGC/Others)
<b>Swapandeep Kaur</b>	Electric Vehicle Scenario in India: Evolution, Challenges and Opportunities	International Journal of Advances in Engineering and Management (IJAEM)	Volume 3, pp: 859-864	2021	Issue 3	Others
<b>Swapandeep Kaur, Raman Kumar</b>	Multi Attribute Decision Making Approach to Select Microwave Oven with TOPSIS Method	7th International Conference on Advancements in Engineering & Technology (ICAET-2019)	7	2019		Others
Varun Chodha , Rohit Dubey , Raman Kumar , Sehijpal Singh , <b>Swapandeep Kaur</b>	Selection of industrial arc welding robot with TOPSIS and Entropy MCDM techniques	Materials Today: Proceedings/ 2214-7853	In Press	2021		SCOPUS
Harpreet Kaur Channi , Manjeet Singh , Yadwinder Singh Brar , Arvind Dhingra , Surbhi Gupta , Harpuneet Singh, Raman Kumar, <b>Swapandeep Kaur</b>	Agricultural waste assessment for the optimal power generation in the Ludhiana district, Punjab, India	Materials Today: Proceedings/ 2214-7854	In Press	2021		SCOPUS
Robin Singh Chandel , Sudeepti Sharma , <b>Swapandeep Kaur</b> , Sehijpal Singh , Raman Kumar	Smart Watches: A Review of Evolution in Bio-Medical Sector	Materials Today: Proceedings/ 2214-7855	In Press	2021		SCOPUS

#### Er. Puneet Chandel

NAME OF AUTHORS	TITLE OF PAPER	NAME OF JOURNAL/CONFERENCE	VOLUME AND PAGE NO.	YEAR OF PUBLICATION	ISSN NO.	INDEXING(SCI/Scopus/UGC/Others)
<b>Puneet &amp; Baljeet Singh</b>	Power Quality Improvement in PowerSystemusing UPFC	International Journal of All Research Education & Scientific Methods	Volume 9, Issue 5, Pages 1310-1315	2021	2455-6211	UGC, Thomson Reuters
<b>Puneet &amp; Baljeet Singh</b>	Impact of UPFC on the Power Quality in Grid	Internation Journal of Engineering Applied Sciences and Technology	Volume 6 Issue 1, Pages 319-324	2021	2455-2143	UGC, DOI
<b>Puneet &amp; Dr Kanwardeep Singh</b>	Congestion Management and profit maximization of grid integrated renewable hybrid energy system	Internation Journal of Engineering Applied Sciences and Technology	Accepted	2021	2455-2143	UGC, DOI
<b>Puneet &amp; Dr Kanwardeep Singh</b>	Self Scheduling of Renewable Hybrid Energy utility considering unscheduled interchanges	IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems(ICPEICS)		2018		
<b>Puneet</b>	Wireless Power Transmission	International Journal of Research in Engineering and Technology	Volume 6 Issue 1, Pages 74-78	2017	2319-1163	Others