

Research Publications

List of Publications in International/ National Journals:

- Puneet Chawla, Heena Garg, Rajni Bala, “Load Frequency Control of Single Area Thermal Power System using Integral and Fuzzy Logic Controller”, International Journal of Engineering, Technology, Management & Applied Sciences, Volume-2, Issue-3, August, 2014.
- Puneet Chawla, Heena Garg, Rajni Bala, “Improvement in Power Quality by Dynamic Voltage Restorer using Hysteresis Controller”, International Journal of Engineering, Technology, Management & Applied Sciences, Volume-2, Issue-4, September, 2014.
- Puneet Chawla, Heena Garg, Rajni Bala, “Energy Conservation- Necessity & its scope”, International Journal of Engineering, Technology, Management & Applied Sciences, Volume-2, Issue-7, December, 2014.
- Ritula Thakur & Puneet Chawla, “High Voltage Distribution System (HVDS)- An Alternate for Improvement of Voltage Drop Profile”, International Journal of Engineering, Technology, Management & Applied Sciences, Volume-3, Issue-1, January, 2015.
- Ritula Thakur & Puneet Chawla, “High Voltage Distribution System (HVDS)- An Alternate for Improvement of Voltage Drop Profile”, International Journal of Innovative Science and Modern Engineering (IJISME), Volume-3, Issue-3, February, 2015.
- Ritula Thakur & Puneet Chawla, “Distributed Generation-Scope, Major Issues & Voltage Profile Improvement”, International Journal of Engineering, Technology, Management & Applied Sciences, Volume-3, Issue-2, February, 2015.
- Puneet Chawla, Rajni Bala, “Existence of Electrical Pollution”, International Journal of Electronics, Electrical & Computational System, Volume 4, Special Issue, May, 2015.
- Ritula Thakur & Puneet Chawla, “High Temperature Superconducting Techniques and its Applications”, International Journal of Engineering, Technology, Management & Applied Sciences, Volume-3, Issue-5, May, 2015.
- Puneet Chawla & Priya Dhuria, “Role of HTSing Materials in Electrical Power Transmission & Distribution Sectors for Energy Conservation”, International Journal of Recent Technologies in Mechanical & Electrical Engineering, Volume-2, Issue-6, June, 2015.
- Ritula Thakur & Puneet Chawla, “Design of Urban Distribution Feeders for Voltage Profile Improvements & Distribution Losses Reduction”, International Journal of Recent Technologies in Mechanical & Electrical Engineering, Volume-2, Issue-8, August, 2015.
- Puneet Chawla, "Voltage Drop Calculations & Design of Distribution Feeders", International Journal of Research in Engineering and Technology (IJRET), Volume 4, Special Issue 12, NCIDCEME, 2015.

- Ritula Thakur & Puneet Chawla, “Calculative Analysis of 11kV Distribution Feeder”, International Journal of Recent Technologies in Mechanical & Electrical Engineering, Volume-2, Issue-8, August, 2015.
- Ritula Thakur & Puneet Chawla, “Design of Urban Distribution Feeders for Voltage Profile Improvement & Distribution Losses Reduction”, International Journal of Recent Technologies in Mechanical & Electrical Engineering, Volume-2, Issue-9, September, 2015.
- Puneet Chawla & Saruti Arya, “Optimal Placement technique for Distributed Generation using Cloud Computing- A Theoretical Approach”, IJETS, November, 2015.
- Puneet Chawla & Saruti Arya, “Optimal Placement technique for Distributed Generation using Cloud Computing- A Theoretical Approach”, International Journal of Advanced Technology in Engineering and Science, Volume 3, Special Issue- 01, November 2015.
- Ritula Thakur & Puneet Chawla, “Reduction in GHGs Effects and Emission possible by Energy Efficient HTSs”, International Journal of Engineering Technology, Management and Applied Sciences, Volume 3, Issue 12, December 2015.
- Ritula Thakur & Puneet Chawla, “Electric and Magnetic Field Management Methods for Energy Management”, International Journal on Recent Technologies in Mechanical and Electrical Engineering, Volume 3, Issue 1, January 2016.
- Puneet Chawla, “Reduction in Power Losses by HVDS in Urban Distribution Feeder- A Case Study”, International Journal of Electronics, Electrical and Computational System (IJEECS), Volume 5, Issue 6, June 2016.
- Puneet Chawla, T. R. Mudgal, Sanjay Dahiya, Ved Parkash, “Electric & Magnetic Field Management”, International Journal of Advanced Technology in Engineering and Science, Volume 4, Issue 08, August, 2016.
- Puneet Chawla, “Performance Analysis of 11KV Industrial Distribution Feeder with Calculation of Capacitor Bank”, International Journal of Electronics, Electrical and Computational System (IJEECS), September 2016.
- Puneet Chawla, “Case Study of Analytical Performance of 11KV Urban Distribution Feeder”, International Journal of Innovations in Engineering & Technology (IJET), Thomson Reuters ResearcherID Indexed Journal, December, 2016.
- Puneet Chawla, T.R. Mudgal, Sanjay Dahiya, Ved Parkash, “Computational Application of Environmental Magnetism in study of Environmental Changes at Navlakhi, Gulf of Kuch”, International Journal of Advance Research in Science and Engineering, Volume-06, Special Issue no.-01, Nov. 2017 ICRISAEM-17.
- Puneet Chawla, Abhinav, Anand Gors, Deepak Gupta, Mukund Murari, "A Survey on Power Transmission Tower Configuration in Haryana State", IJRECE, Vol. 6, Issue 2, Apr.-June, 2018.
- Dr. T. R. Mudgal, Puneet Chawla, "Impact of Pandemic COVID-19 on Technical Education: A case Study of Government Engineering College of Haryana (India)",

International Research Journal, ISSN: 2229-4929, Akshar Wangmay' UGC Care Listed, Special Issue, Volume-VI, January 2021.

- T.R.Mudgal, Puneet Chawla, Sanjan Dahiya, “Role of Science and Technology in Upgradation of Learning Process during Pandemic COVID-19: A Comparative Study of Phase-I and Phase-II of Corona Virus at a Government Engineering Institute, Haryana (India)” Modern Thamizh Research (A Quarterly International Multilateral Thamizh Journal), ISSN : 2321-984X, June, 2021 - Special Issue.
- Puneet Chawla, T.R.Mudgal, Sanjay Dahiya, “Reduction in Voltage Drop of Distribution Feeders using Bifurcation Technique- A case study of 11KV Feeder of 220KV Subdivision” AIP Conference Proceedings 2463, 020048 (2022);
<https://doi.org/10.1063/5.0080752>, 02 May 2022.

List of Full Paper Accepted in International Journals

- Ritula Thakur & Puneet Chawla, “Analysis and Implementation of HVDS in 11kV Distribution Feeder”, International Journal of Engineering and Advanced Technology (IJEAT), accepted in April, 2016 (**Impact Factor= 2.870**).
- Puneet Chawla & Priya Dhuria, “Declining Electrical Problems via Nanotechnology” Journal of Multi Disciplinary Engineering Technologies, ISSN-0974-1771, January, 2018.

List of Presentations in International/ National Conferences:

- Puneet Chawla, Vandana Mittal, “Energy Conservation- Need of the Hour”, National Conference on “Futuristic Trends in Engineering & Technology (FTET-08)”, Jan Nayak Ch. Devi Lal Memorial College of Engg, Sirsa, January, 28-29, 2008.
- Puneet Chawla, Vandana Mittal, “Energy Conservation- Need of the Hour (Based upon Energy Saving by Compact Fluorescent Lamp)”, National Conference on “Advances in Power System and Energy Management”, Chitkara Institute of Engineering & Technology, Rajpura, Punjab, March, 1-2, 2008.
- Puneet Chawla, Heena Garg, Rajni Bala, “Electric Drives- Basic Need of the Hour (Energy Conservation Devices)”, DAV National Congress on Science, Technology & Management”, DAV Institute of Engg. & Tech. Jalandhar, November, 2014.
- Puneet Chawla, Heena Garg, Rajni Bala, “Energy Management-Essentials and its Scope”, National Seminar on Recent Advancements in Management, Commerce, Education & Engineering Outlook-2015”, JCD Institute of Business Management, Sirsa, January, 2015.
- Puneet Chawla, Sanjay Charya, Hirdey Singh, Rinku, “High Voltage Distribution System (HVDS)- An Alternate for Improvement of Voltage Drop Profile”, 6th National Conference on Engineering, Management and Apparel & Textile Technology (Colloquim-2015), Galaxy Global Group of Institutions, February,

2015..

- Puneet Chawla, Rajni Bala, “Existence of Electrical Pollution”, International Conference on Recent Development in Engineering, Science & Management, YMCA, Connaught Place, 1, Jai Singh Road, New Delhi, May, 2015.
- Ritula Thakur & Puneet Chawla, “Voltage Drop Calculations & Design of Urban Distribution Feeders for losses reduction”, National Conference (IDCEME’15), Gokaraju Rangaraju Institute of Engineering and Technology, Nizampet Road, Bachupally, Kukatpally, Hyderabad- 500090.
- Puneet Chawla & Saruti Arya, “Optimal Placement technique for Distributed Generation using Cloud Computing- A Theoretical Approach”, International Conference on Latest Trends in Engineering Science and Management, 22nd, November 2015.
- Puneet Chawla & Saruti Arya, “Optimal Placement technique for Distributed Generation using Cloud Computing- A Theoretical Approach”, International Conference on Technologies for Sustainability-Engineering, Information Technology, Management and Environment (SUSTECH-15), DAV Institute of Management, Faridabad, 28th November, 2015.
- Puneet Chawla & Priya Dhuria, “Cloud Computing-A Survey on implementation in various sectors of Country”, National Conference on Changing Dimensions of Research in Commerce in the New Global Era (CDRC-2016), Chaudhary Devi Lal University, Sirsa, March, 2016.
- Puneet Chawla, “Reduction in Power Losses by HVDS in Urban Distribution Feeder- A Case Study”, International Conference on Recent Innovation in Science, Technology and Management (ICRISTM-16), Indian Federation of United Nations Associations, New Delhi, 12th June, 2016.
- Puneet Chawla, T. R. Mudgal, Sanjay Dahiya, Ved Parkash, “Electric & Magnetic Field Management”, International Conference on Recent Innovations in Sciences, Management, Education and Technology, JCD Memorial College, Barnala Road. Sirsa, 27th, August, 2016.
- Puneet Chawla, “Performance Analysis of 11KV Industrial Distribution Feeder with Calculation of Capacitor Bank”, 3rd International Conference on Recent Innovation in Science, Technology and Management, Indian Federation of United Nations Associations, New Delhi, 18th September, 2016.
- Puneet Chawla Dr. Sanjay Dahiya, Dr. T. R. Mudgal, Ved Parkash, “Minimizing Infrastructure Cost through Cloud Computing”, National Seminar on Research in Education, Engineering, Science, Commerce and Management: Innovative Practices, Applications and Impact-2017, Jan Nayk Ch. Devi Lal PG College of Education, Barnala Road, Sirsa, 2nd March, 2017.
- Puneet Chawla, T.R. Mudgal, Sanjay Dahiya, Ved Parkash, “Computational Application of Environmental Magnetism in study of Environmental Changes at Navlakhi, Gulf of Kuch”, International Conference on Recent Innovations in Science, Agriculture, Engineering and Management, University College of Computer Applications, Guru Kashi University, Bathinda, Punjab, 20th Nov.,

2017.

- Puneet Chawla, Abhinav, Anand Gors, Deepak Gupta, Mukund Murari, "A Survey on Power Transmission Tower Configuration in Haryana State", 3rd International Conference on Innovative Trends in Engineering, Applied Science and Management (ICITEASM-2018), Osmania University Centre for International Programmes, Osmania University Campus, Hyderabad, 24th June, 2018.
- Puneet Chawla, "Deregulation Power Systems and Smart Metering Technique", JTA Multidisciplinary International Conference (JTACON-2020), Jamia Teachers Association (JTA), Jamia Millia Islamia Central University, New Delhi, 16-18 Feb., 2020.
- Puneet Chawla, "Deregulation Power Systems and NB-IoT Enabled Smart Metering Performance", One Day National Seminar on "Exploring the New Era of Humanities, Commerce, Science & Technology: Issues and Challenges 2020 (ENEHCST-2020)", JCD Memorial PG College, Sirsa on 20 Feb., 2020.
- Dr. T. R. Mudgal, Puneet Chawla, "Impact of Pandemic COVID-19 on Technical Education: A case Study of Government Engineering College of Haryana (India)", Interdisciplinary View on Socio-Economic, Educational, Environmental, Commerce and Management, Literary Research and Sustainable Development in Covid-19 Pandemic Situation, Special Issue, Volume-VI, January 2021.
- T.R.Mudgal, Puneet Chawla, Sanjay Dahiya, "Role of Science and Technology in Upgradation of Learning Process during Pandemic COVID-19: A Comparative Study of Phase-I and Phase-II of Corona Virus at a Government Engineering Institute, Haryana (India)", One-day Multidisciplinary International e-conference on Post-Covid challenges in Education, Industry & Digital Economy, Vidya Prasarak Mandal's R Z Shah College of Arts Science and Commerce, Mithagar Road, Mulund (E), Mumbai – 400081 on dated 12th June, 2021.
- Puneet Chawla, T.R. Mudgal, Sanjay Dahiya, "Reduction In Voltage Drop of Distribution Feeders Using Bifurcation Technique- A Case Study of 11kV Feeder of 220kV Subdivision", International Virtual Conference on Recent Innovations in Science & Technology (RIST 2021) organized by ERANAD Knowledge City Technical Campus, Malappuram, Kerala, India in association with ISET Research & HEXAIND Technologies and Services, on dated 19th & 20th June, 2021.

List of Full Paper Accepted in International Conferences:

- Ritula Thakur & Puneet Chawla, “Reduction in GHGs Effects and Emissions possible by Energy Efficient HTSrs”, 7th International Conference on Advances in Power Electronics and Instrumentation Engineering, PEIE-2016, February, 27-28, 2016, Jaipur (**Publication in McGraw-Hill Education**). .
- Ritula Thakur & Puneet Chawla, “Implementation of HVDS in 11kV Urban Distribution Feeder- A case study”, 3rd International Conference on Electrical, Electronics, Engineering Trends, Communication, Optimization and Science (EEECOS), SASI Institute of Technology and Engineering, Tadepalligudem, Andhra Pradesh, 1st -2nd, June, 2016, Accepted on April, 26, 2016 (**Submitted in IEEE Xplore Digital Library through IET Xplore Digital Library**).