

Curriculum Vitae

DR. GAGANDEEP KAUR

Associate Professor,
Department of Electrical Engineering
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Academic Qualification

Ph.D (Electrical Engineering), I. K. Gujral Punjab Technical University, Jalandhar, Punjab
M.Tech (Electrical Engineering), I. K. Gujral Punjab Technical University, Jalandhar, Punjab
B.E (Electrical Engineering), Punjabi University, Patiala, Punjab

Work Experience

23 plus years (Teaching) for UG & PG Programmes

Employment Information

Giani Zail Singh PTU Campus, Bathinda	(9/9/1998 to 24/ 7/2013)
Department of Electrical Engineering, I.K.Gujral Punjab Technical University, Kapurthala, Punjab	(25/7/2013 to 16/9/2022)
Giani Zail Singh Campus CET, MRSPTU, Bathinda	(16/9/2022 to till date)

Research Interest:

Renewable Energy Sources, Distributed Generation, Co-generation, Energy Audit, Power Systems, Power Quality

Publications (International Journals 2016-2021)

1. **Gagandeep Kaur**, Yadwinder Singh Brar, D. P. Kothari “Potential of Livestock Generated Biomass: Untapped Energy Source in India” Energies, Volume 10(7); 847, 2017.
2. Ashish Sharma, **Gagandeep Kaur**,” Assessment of Capacitance for Self-Excited Induction Generator in Sustaining Constant Air gap Voltage under Variable Speed and Load” Energies, Volume 11; 2509, 2018.

3. Kamal Kant Sharma, Akhil Gupta, **Gagandeep Kaur**, Raman Kumar, Jasgurpreet Singh Chouhan, Shubham Sharma, Jujhar Singh, Nima Khalilpoor, Alibek Issakhov, “Power Quality and Transient Analysis for a utility tied interfaced distributed hybrid wind hydro controls renewable energy generation system using generic and multiband power systems stabilizers” Energy Reports, Volume 7(2021), PP; 5034-5044.
4. Ashish Sharma, **Gagandeep Kaur**, “Methods of Performance Evaluation of Induction Generators” Journal of Emerging Technologies and Innovative Research, Volume 5(9), 2018.
5. Guneet Singh, **Gagandeep Kaur**, “Prospects of Bioenergy Generation in Indian State Punjab-An Evaluation,” Journal of Emerging Technologies and Innovative Research, Volume 6 (6), 2019.
6. **Gagandeep Kaur**, Yadwinder Singh Brar, Jaspreet Kaur, Akhil Gupta, Kamal Kant Sharma, Jasgurpreet Singh Chouhan, Raman Kumar, Shubham Sharma, Somnath Chattopahyaya, Shashi Prakash Dwivedi, Alibek Issakhov, Nima Khalilpoor, “Management of Cattle Dung and Novel Bioelectricity Generation using Microbial Fuel Cells: An Ingenious Experimental Approach” International Journal of Chemical Energy, volume 2021, Article Id: 5536221.

Participation in International Conferences (2016-2021)

1. Sourabh and Gagandeep Kaur, “ Congestion Management of Power Transmission Line: A Survey on Techniques, Methodology and Approaches,” 2018 IEEE International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering (ICRIEECE).
2. Baldeep Singh Negi and **Gagandeep Kaur**,” Congestion Management in Deregulated Power Systems: A Review,” 2018 IEEE International Conference on Advances in Computing Communication Control and Networking (ICACCCN).
3. Gagandeep Kaur Cheema and **Gagandeep Kaur**, “ A Novel Technique for Reduction of Harmonics in Multilevel Inverters: A Survey, “ 2016 7th International Conference on Intelligent Systems, Modelling and Simulation (ISMS).
4. Sunaina Saini and **Gagandeep Kaur**, “Real Power Loss Reduction in Distribution

Network through Distributed Generation Integration by Implementing SPSO,” 2016 International Conference on Electrical Power and Energy Systems (ICEPES).

5. Harpreet Sharma and **Gagandeep Kaur**, “Optimization and Simulation of Smart Grid Distributed Generation: A Case Study Of University Campus, “ 2016 IEEE Smart Energy Grid Engineering (SEGE).

Book Chapters (2017-2021)

1. Akhil Gupta, Kamal Sharma, Sunny Vig, **Gagandeep Kaur**, and Ashish Sharma,” Power quality analysis of a wind energy conversion systems using UPFC”, Green information and communication systems for a sustainable future (GICSSF 2020), 1st edition, 2020.
2. **Gagandeep Kaur**, Akhil Gupta, and Jaspreet Kaur, “Microbial Fuel Cell: A Source of Bioelectricity Production” Green information and communication systems for a sustainable future (GICSSF 2020), 1st edition, 2020.

Administrative Responsibilities Performed/ Achievements

- Head Department of Electrical Engineering , IKGPTU Main Campus
- Chairperson, Board of Studies, Electrical Engineering, IKGPTU Jalandhar
- Former Chief Warden for IKGPTU Jalandhar
- Former Coordinator of Electrical Engg. Deptt. at Giani Zail Singh PTU Campus, Bathinda.

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