List of Publications

GOOGLE SCHOLAR Link: https://scholar.google.co.in/citations?user=s_126YYAAAAJ&hl=en

RESEARCHGATE Link : https://www.researchgate.net/profile/Alok-Agrawal-11

(A). SCI Papers

1) Alok Agrawal and Kanwarjit Singh Sandhu, "Most influential parametrical and data needs for realistic wind speed prediction", *Renewable Energy, Elsevier,* vol. 94, pp. 452 – 465, August 2016.
2) Alok Agrawal and Rajesh Gupta, "Power management and operational planning of multiport HPCS for residential applications," *IET Generation, Transmission and Distribution,* vol. 12, no. 18, pp. 4194 – 4205, Oct. 2018.
3) Alok Agrawal and Rajesh Gupta, "Stochastic monte-carlo based voltage variation analysis for low voltage hybrid DC/AC radial distribution feeders interfaced with DERs," *IET Generation, Transmission and Distribution*, vol. 13, no. 6, pp. 868 – 880, March 2019.
4) Alok Agrawal and Rajesh Gupta, "Distributed co-ordination control of hybrid energy resources for power sharing in coupled hybrid DC/AC microgrids using the paralleled IFCs/ILCs," *IET Smart Grid,* vol. 2, no. 1, pp. 89 – 105, March 2019.
5) Alok Agrawal, Chandra Sekhar Nalamati and Rajesh Gupta, "Hybrid DC/AC zonal microgrids enabled by solid–state transformer and centralized ESD integration," *IEEE Transactions on Industrial Electronics,* vol. 66, no. 11, pp. 9097 – 9107, November 2019.
6) Chandra Sekhar Nalamati, Alok Agrawal and Rajesh Gupta, "Multiple parallel connected DAB based solid state transformer for hybrid DC/AC microgrid system," *IET Generation, Transmission and Distribution,* vol. 14, no. 25, pp. 6359 – 6370, Dec. 2020.

(B). International Conference Papers

1) Alok Agrawal and Kanwarjit Singh Sandhu, "Comparative study of stochastic wind speed prediction models", *IEEE 6thIndia International Conference on Power Electronics (IEEE IICPE 2014),* pp. 1 – 6, December 8th – 10th, 2014.
2) Alok Agrawal and Kanwarjit Singh Sandhu, "Optimum data set for best wind prediction models", *NIT-MTMI International Conference on Emerging Paradigms in Global Technology, Management & Business Issues (NIT-MTMI 2014),* ISSN 1941-9414, vol. 11, no. 1, December 22nd – 24th, 2014.
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4) Alok Agrawal and Kanwarjit Singh Sandhu, "Energy scheduling for grid connected wind farm systems", *IEEE International Conference on Electronics, Energy, Environment, Communication, Computer and Control (IEEE INDICON 2015),* pp. 1 – 6, December 17th – 20th, 2015.
5) Alok Agrawal and Rajesh Gupta, "Strategical operational modes for isolated solar PV system in battery power management scenario," *7th IEEE India International Conference on Power Electronics (IEEE IICPE 2016)*, pp. 1 – 6, Nov. 17th – 19th, 2016.
6) Deepak Singh, Alok Agrawal and Rajesh Gupta, "Power management in solar PV fed microgrid with battery support," *14th IEEE India Council International Conference (IEEE INDICON 2017),* pp. 1– 6, Dec. 15–17th, 2017.
7) Alok Agrawal and Rajesh Gupta, "Hybrid DERs enabled residential microgrid system with MVDC and LVDC bus layout facilities," *IEEMA Engineer Infinite Conference (IEEE eTechNxt 2018)*, pp. 1 – 6, March 13th – 14th, 2018.
8) Alok Agrawal and Rajesh Gupta, "Multi-functional bi-directional DC–DC/AC converter topology for single phase microgrid applications," *8th IEEE India International Conference on Power Electronics (IEEE IICPE 2018),* pp. 1 – 6, Dec. 13th – 15th, 2018.
9) Sanjeev Kumar, Alok Agrawal and Rajesh Gupta, "Power balance for WTG - Solar PV fed DC microgrids with battery and supercapacitor support," *IEEE Power Electronics, Drives and Energy Systems Conference (IEEE PEDES 2018),* pp. 1 – 6, Dec. 18th – 21th, 2018.
10) Chandra Sekhar Nalamati, Alok Agrawal and Rajesh Gupta, "Integration of multiple energy storage sections in solar PV based HMGs using multi-input DAB," *IEEE Power Electronics, Drives and Energy Systems Conference (IEEE PEDES 2018),* pp. 1 – 6, Dec. 18th – 21th, 2018.
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(C). National Conference Papers

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