





















- [3] Gitanjali Mehta, Student Member, IEEE, R. D. Patidar and S. P. Singh, Member, IEEE, "Design, Analysis and Implementation of DSP based Single-Phase Shunt Active Filter Controller," *Emerging Trends in Electrical and Computer Technology (ICETECT)*, 2011, pp.166-173.
- [4] D. A.Torrey and A. M. Al-Zamel, "Single-phase active power filters for multiple nonlinear loads," *IEEE Transactions on Power Electronics*, vol. 10, no. 3, pp. 263–272. May 1995.
- [5] H.Akagi, "New trends in active filters for power quality conditioning," *IEEE Transactions on Industry Applications*, vol. 32, no. 6, pp. 1312-- 1322, November/December 1996.
- [6] K.Hemachandran, Dr.B.Justus Rabi and Dr.S.Darly (2014), "Mitigation of Harmonics using Active Shunt Filter with PEMFC", *Asian Journal of Applied Sciences*,(ISSN: 2321 – 0893), Volume 02 – Issue 06, December 2014, pp-837-845.
- [7] K.Hemachandran, Dr.B.Justus Rabi and Dr.S.Darly "Reduction of Harmonics Exploitation FPGA Based Shunt Active Filter with PEMFC, *International Journal of Applied Environmental Sciences*, (ISSN: 0974-0260), Volume10 – Issue 03, 2015, pp-951-966.
- [8] B. Singh, K. Al-Haddad, and A. Chandra, "A review of active power filters for power quality improvement," *IEEE Transaction on Industrial Electronics*., vol. 46, no. 5, pp. 960-971, October 1999.
- [9] B. Singh, K. Al-Haddad, and A. Chandra, "A new control approach to three-phase active filter for harmonics and reactive power compensation," *IEEE Transaction on Power Systems*, vol. 13, no. 1, pp. 133--138, February 1998.
- [10] Mehta.G, Singh S.P, Patidar R.D, Non-linear load compensation in fuel cell grid interfaced system using active power filter", at PEDS, 2011 IEEE Conf. ISSN: 2164-5256, pp-197-202.
- [11] Z. P. Fang, G.W. Ott, and D. J. Adams, " Harmonics and reactive power compensation based on the generalized instantaneous reactive power theory for three-phase four-wire systems," *IEEE Transactions on Power Electronics*, vol. 13, no. 3, pp. 1174-1181, July 1998.
- [12] H Fujita, H Akagi, A practical approach to harmonic compensation in power systems-series connection of passive and active filters, ISSN: 0093-9994, *Industry Applications*, IEEE Transactions on (Vol:27 , Issue: 6 ).
- [13] A Kannan, V Kumar, T. Chandrasekar, BJ Rabi, "A review of power quality standards, electrical software tools, issues and solutions", at renewable energy and sustainable Energy (ICRESCE) 2013 International conference, IEEE pages – 91-97.
- [14] Grady W.M., Samotyj M.J., and Noyola A.H., 1990, "Survey of Active power line conditioning Methodologies" *IEEE Trans on Power Delivery*, 5(3), pp1536-1542.
- [15] P.Salmeron and S.P Litran, 2010 "Improvement of the electric power quality using series active and shunt passive filters", *IEEE Transactions on power delivery*, Vol.25, No.2., pp.1058-1067.
- [16] K.Sebasthirani and K.Porkumaran, 2014"Performance enhancement of shunt active power filter with fuzzy and hysteresis controllers", *JTAIT*, ISSN:1992-8645.
- [17] da silva, S.A.O., Neto, A.F., Cervantes, S.G.S., Goedel.A, 2010, "Synchronous reference frame based controllers applied to shunt active power filters in three-phase four-wire systems", *IEEE transactions on Industrial Technology*, pp.832-837.
- [18] Anil Bharti, Rajat Varshney, Dr S.K.Srivastva, "A Study of PI Controller Based Unified Power Quality Conditioner" in *International Journal of Advanced Research in Computer Science and Software Engineering*, sept 2012.
- [19] Uma P BalaRaju, Bala Krishna Kethineni, Rahul H Shewale, Shiva Gourishetti"Harmonic effects and its mitigation techniques for a non-linear load" *International Journal of Advanced Technology & Engineering Research (IJATER)*, may 2012.
- [20] Joao L. Afonso, Mauricio Aredes, Edson Watanabe, Julio S. Martins, "Shunt Active Filter for Power Qaulity Improvement" *International conference UIE*, Lisboa, Portugal, November 2000, pp.683-691.