

Dr. Chetan B. Khadse

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Research Profile

*Researcher (PhD) with 3 years of **Electrical Engineering** (Power Quality) research experience. Two research papers published in Elsevier and IEEE journal with combined impact factor of 7.558. Three IEEE conference papers are presented and published*

Areas of Expertise

- Power Quality
- Neural Network
- Power System Protection

Projects

Online power quality assessment with the help of scaled conjugate gradient based artificial neural network. (Ph. D. research topic)

Softwares proficiency

- MATLAB
- LabVIEW
- Proteus

Publications

Journal:

- 1) **CB Khadse**, MA Chaudhari, VB Borghate, "Conjugate gradient back-propagation based artificial neural network for real time power quality assessment", *International Journal of Electrical Power & Energy Systems (Elsevier)*, vol. 82, pp. 197-206, 2016.
- 2) **CB Khadse**, MA Chaudhari, VB Borghate, "Electromagnetic Compatibility Estimator using Scaled Conjugate Gradient Back-propagation based Artificial Neural Network", *IEEE Transactions on Industrial Informatics*, vol. 13(3), pp. 1036-1045, 2017.

Conference:

- 1) **C. B. Khadse**, M. A. Chaudhari and V. B. Borghate, "Comparison between three back-propagation algorithms for power quality monitoring, " 2015 Annual IEEE India Conference (INDICON), New Delhi, 2015, pp. 1-5.
- 2) **C. B. Khadse**, M. A. Chaudhari and V. B. Borghate, "Laboratory set up for power quality disturbance generator and its application in real time power quality monitoring", 2016 IEEE International Women in Engineering (WIECON), Pune, pp.61-64.
- 3) **C. B. Khadse**, M. A. Chaudhari and V. B. Borghate, "Comparison of seven back-propagation algorithms for three phase power quality assessment", 2017 IEEE Region 10 Conference (TENCON), Malaysia, November, 2017, pp. 2548-2553.

Educational background

Jan 2014 -April 2017	Ph. D. in Electrical from Department of Electrical Engineering, Visvesvaraya National Institute of Technology , Nagpur (India).
July 2011- July 2013	M.Tech. (Power System) from Walchand College of Engineering , Sangli with 7.85 CPGA(First class)
July 2006- July 2010	B.E. (Electrical Engineering) from SSGMCE Shegaon (University of Amravati) with 73.45% (First class).
July 2006 & July 2004	HSC with 78.5% and SSC with 77.5%.

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