

**Name** : Bindu S. J.  
**Age and Date of Birth** : 55 years, 28/07/1963  
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**Office Address** : Associate Professor & Head  
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#### Educational Qualifications

B. Tech (Electrical & Electronics Engineering ), NSS college of Engineering ,Palakkad,1985

M. Tech (Power Electronics and Power System),IIT Bombay,2001

PhD (Power Electronics), CUSAT , 2016

#### Experience

Organisation	Designation	Period	Duration(Yr, Month)
College of Engg Perumon, Kollam	Associate Professor	01-01-2011 to date	7 years
College of Engg Perumon Kollam	Assistant Professor	28-03-2005 to 31-12-2010	5 Years 9 months
A.C.Patil College of Engg Navi Mumbai	Assistant Professor	03-03-2003 to 27-03-2005	2 years&24 days
A.C.Patil College of Engg, Navi Mumbai	Lecturer	02-08-1994 to 02-03-2003	8years &7months
Agnel polytechnic, Navi Mumbai	Lecturer	05-07-1993 to 31-03-1994	1 year
R I Centre, Kollam	Lecturer	01-04-1987 to 31-03-1988	1year

Dr. Bindu S.J. currently serves as HoD at the department of Electrical and Electronics Engineering, College of Engineering, Perumon. She has been in the teaching profession for the last 29 years. Her areas of research include Electrical Machine Drives, Signal Processing, Power Electronics and Alternate Energy System. She served earlier at A.C.Patil College of Engineering, Kharghar, New Bombay.

Dr. Bindu S.J. joined College of Engineering Perumon in the year 2005 as faculty in the Department of Electrical and Electronics Engineering and was undertaking teaching and projects for B. Tech. and M. Tech. students. She did her B. Tech. in Electrical & Electronics Engineering from N.S.S. College of Engineering Palghat in 1985 and M. Tech. in Power Electronics & Power System from IIT Bombay in 2001. Dr. Bindu S.J. did her Ph. D. in Power Electronics from School of Engineering, CUSAT in 2016.

She has published paper in IEEE international conferences at Croatia in the year 2005 and at Singapore in the year 2008. She has guided several B. Tech. and M. Tech. research projects. She has served as reviewer for research papers in Electric Power Components and Systems, Taylor and Francis, Journal of Electrical and Electronic Engineering, Science Publishing group, AISR journals, IOSR journals. She has also served as technical committee member and reviewer for many conferences. She has published more than 18 research papers, chaired several sessions in national and international conferences. She is a member in Board of Governors of TEQIP II, college of Engineering Perumon. She is TEQIP II coordinator; being the R&D coordinator of Teqip II she has guided 5 sponsored projects.

## **LIST OF PUBLICATIONS**

### **International Conferences:**

1. Bindu S J and C A Babu, “Analysis and Design of a Single Stage Single Switch Power Factor Converter to reduce Bus Voltage Stress with High Input Power Factor and Fast Output Voltage Regulation”, in IEEE 13th Workshop on Control and Modeling for Power Electronics (COMPEL), 2012 JAPAN, pp.1-7.  
**DOI: [10.1109/COMPEL.2012.6251760](https://doi.org/10.1109/COMPEL.2012.6251760)**
2. Bindu S J and C A Babu, “Analysis and Design of a Single Stage Single Switch Power Factor Corrected Converter” 6th International Congress on Energy and Environment Engineering and Management, July 22-24 2015, PARIS

## **International Journals :**

1. Bindu S J and C A Babu, "Implementation of a low cost, compact single stage power quality converter with reduced bus voltage stress", International Journal of Energy Technology and Policy (IJETP), Vol.13, No.12, 2017, Inderscience publication. DOI: 10.1504/IJETP.2017.080612
2. Bindu S J and C A Babu, "A Design Solution to reduce DC Bus Voltage Stress in Single Switch Power Quality Converter", Journal of Electrical and Electronic Engineering, December 18, 2014 , pp. 75-81
3. Bindu S J and C A Babu , "Equal Area Criterion Scheme to Reduce DC Bus Voltage Stress of Single Stage Single Switch Power Factor Corrected Converter", American International Journal of Research in Science, Technology, Engineering & Mathematics, Issue 6, Volume 1 & 2, March-May, 2014, pp. 74-82.
4. Bindu S J and C A Babu, "Design of Single Stage Single Switch Improved Power Quality AC-DC converter", International Journal of Engineering Research & Technology (ISSN: 2278-0181), Vol.3 March 2014, pp. 1726-1733

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