

RESUME



- 1. Name** : Prof. Dr. Preeti Dinesh Bhamre
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5. Educational Qualifications :

Sr. No.	University / Institute	Degree	Year	Field of Specialization	Class Obtained
1	Govt. College of Engg., Pune	B.E E/TC	1995	-	First class (61%)
2	Govt. College of Engg., Pune	M.E E/TC	2001	Instrumentation and Controls	Distn. (71%)
3	Indian Institute of Technology, Bombay	Ph.D. (Under the guidance of Prof.Dr.R.K.Shevgaonkar, Former Vice Chancellor, Pune University and currently Director IIT, Delhi)	2012	Photonic Crystal Devices (Optical Communication)	CGPA – 9.0

6. Employment Record:

University / Employer	Designation	Period
K. K.Wagh Institute of Engineering Education and Research, Nasik	Head, I.T. Dept and Professor in Electronics Engg.	From 1 st Dec. 2010 till date
K. K.Wagh Institute of Engineering Education and Research, Nasik	Head, I.T. Dept and Assistant Professor in Electronics Engg.	July 2009 to Dec 2010
K.K.Wagh Women's Polytechnic, Nashik	I/C Principal	Mar 2005 to July 2009
K. K.Wagh Institute of Engineering Education and Research, Nasik	Lecturer in Electronic Engg.	Aug 1996 to Mar 2005
Cummins College of Engg., Pune	Lecturer in Electronic Engg.	Aug 1995-June 1996.

Other Responsibilities Handled:

- 1) Nominated on the "Learning Resource Selection Committee", YCMOU, Nasik in Feb. 2013.
- 2) Worked as Member of Committee for Design of Curriculum of Computer Courses, YCMOU, Nasik

- 3) Worked as a Visiting Faculty for two subjects for the Post Graduate students of PGDM II (IT) in Symbiosis College (SCHMRD), Nashik during Sept. 2003 to Jan 2004 and Sept. 2004 to Dec 2004.
- 4) Worked as Student Branch Counselor and Managing Committee Member for CSI Nashik Chapter during the period 2002-2005.
- 5) Member of Local Managing Committee of K. K. Wagh Institute of Engineering Education and Research, Nasik

7. Articles Published:

- [1] "Storage Area Networks", CSI Communications, Dec. 2003., ISSN-0970-647X
- [2] "Sequence Detector", published in Lab Experiments Journal, Vol-4, No-1, March 2004, ISSN-0972-6055-KARENG/2001/8386

8. Journal Publications:

- [1] Preeti. B. Patil (Bhamre), Sarang Pendharker and R. K. Shevgaonkar, "Electrical Modeling of Photonic Crystal Defects," *Microwave and Optical Technol. Lett.*, vol. 54, No. 11, pp.2523-2528, Nov. 2012.
- [2] P. B. Patil (Bhamre), R. K. Shevgaonkar, "Improved S-parameter Model for Photonic Crystal Defects", *SPIE Select Proc. – Vol 8173, 8173E, 2010*
- [3] P. B. Patil (Bhamre), R. K. Shevgaonkar, "Electrical modeling of single defect in photonic crystal waveguide", *SPIE Select Proc. – Vol 7138, pp214-219, 2008*,

9. Conference Publications: 12 National /International Conferences

- [1] P. B. Patil(Bhamre), R. K. Shevgaonkar, "Numerical Analysis of Propagation in Finite Length 2-D Photonic Crystal Waveguide with Single Defect", *Proc. of International Conference on Microwaves and Optoelectronics*, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, (Dec. 2007).
- [2] P. B. Patil(Bhamre), R. K. Shevgaonkar, "Photonic Crystal Devices for Communication", (Invited Paper), *Proc.of National Workshop on Advanced Optoelectronic Materials and Devices*, Benaras Hindu University, (Dec 2007).
- [3] P. B. Patil(Bhamre), R. K. Shevgaonkar, "Analysis of a finite length 2-D photonic crystal waveguide", *Proc. of National Conference on Communications*, I.I.T., Bombay, 324-326, (Feb. 2008).
- [4] P. B. Patil(Bhamre), R. K. Shevgaonkar, "Electrical modeling of single defect in photonic crystal waveguide", *SPIE Proc. of 6th International Conference on Photonics, Devices and Systems*, Prague, Czech Rep., (Aug. 2008)
- [5] P. B. Patil, R. K. Shevgaonkar, "Spectral Characteristics of Defects in Photonic Crystals", *9th International Conference on Fiber Optics and Photonics*, Photonics 2008, IIT Delhi, (Dec. 2008).
- [6] P. B. Patil(Bhamre), R. K. Shevgaonkar, "Photonic Crystal Devices for All Optical Communication Systems", (Invited Paper), *9th International Conference on Fiber Optics and Photonics*, Photonics 2008, IIT Delhi, (Dec. 2008).
- [7] P. B. Patil(Bhamre), R. K. Shevgaonkar, "Electrical Modeling of a defect in Photonic Crystal Waveguide," *IEEE Proc. of the 6th IEEE International Conference on Wireless and Optical Communication Networks*, WOCN 2009, Cairo, Egypt, April. 2009.

- [8] Sarvagya Dwivedi, P. B. Patil(Bhamre), R. K. Shevgaonkar, “ Polar Grid Microstructured Fiber Raman Amplifier”, *Proc. of 12th International Symposium and Microwave and Optical Technology*, ISMOT 2009, University of Delhi and University of Nevada, Reno, USA, December 16-19, 2009.
- [9] P. B. Patil(Bhamre), R. K. Shevgaonkar, “Spectral Characteristics of Multiple Defects in a Photonic Crystal Waveguide,” *IEEE Proc. of 7th IEEE Intl. Conf. on Wireless and Optical Communications Networks (Next Generation Internet)*, WOCN2010, Colombo, Sri Lanka, Sept. 2010
- [10] P. B. Patil(Bhamre), R. K. Shevgaonkar, “Improved S-parameter Model for Photonic Crystal Defects”, *Proc. of 10th International Conference on Fiber Optics and Photonics*, Photonics 2010, IIT Guwahati, (Dec. 2010).
- [11] Preeti B. Patil(Bhamre), “Photonic Crystal Devices for All Optical Communication Systems”, *Proc. of IEI Annual Technical Paper Meet*, Pune, Nov. 2011.
- [12] Preeti D. Bhamre and R. K. Shevgaonkar, “Design of 2D Photonic Crystal Waveguide based Bandpass Filter using Electrical Models of a Defect,” *OSA Technical Digest 10th Intl. Conf. on Fiber optics and Photonics, India*, 2012.

10. Awards:

- 1) SPIE Student Best Paper Award** at 6th International Conference on Photonics, Devices and Systems, Prague, Czech Republic (Aug. 2008)
- 2) Prof. B. B. Deshpande Prize for Best Paper** at the Annual Technical Paper Meet-2011 organized by The Institute of Engineers (India) Pune (Nov. 2011)
- 3) Lady Engineer’s Award** by The Institute of Engineers (India) Nashik Chapter (Sept. 2012)

11. Areas of Interest: Fibre Optic Communication, Photonics, Non-linear fibre optics

12. Hobbies and Other Achievements: Kathak Dance Performer

- Visharad/Bachelor degree in Kathak Dance.
- Won First prize for Kathak Dance at All India Dance Competition Organized by Sur Singar, Bombay.
- Kathak Dance performance on Doordarshan in March 1989 and various other performances in Delhi, Bombay, Pune, Madhya Pradesh, Nashik etc.