

## List of Publications published in International/National Journals

Name of Faculty	Sr. No	Title of the Paper	Name of Journal	Volume & Page No.	Year
Dr. Malini Bapat	1.	A soft solution process to synthesize nanocrystalline barium zirconate via reactive solid state precursors	Journal of Metastable and Nanocrystalline Materials	23, 3-6.	2005
	2.	A rapid hydrothermal synthesis route for nanocrystalline SrZrO <sub>3</sub> using reactive precursors.	Materials Science & Engineering, B: Solid-State Materials for Advanced	B119(1), 87-93	2005
	3.	Radiation assisted synthesis of nanosized barium zirconate.	Radiation Physics and Chemistry	75(7), 755-759.	2006
	4.	Lanthanum-Based Perovskites as Exhaust Gas Sensors	Encyclopedia Of Sensors, American Scientific Publishers.	Chap LO6, vol. 5,215-	2006
	5.	Synthesis of Nanocrystalline PZT by hydrothermal method	Defence Sci. J.,	57, 35.	2007
	6.	Hydrothermal preparation of BaSnO <sub>3</sub> and Au- BaSnO <sub>3</sub> nanorods	Journal of NanoScience and Nanotechnology, American Scientific Publi.	8, 1	2008
	7.	Hydroxide directed novel routes to synthesize nanosized cubic ceria (CeO <sub>2</sub> )	J. Alloys and Compounds	484, Iss. 1-2, 18 Pages 211-	2009
	8.	Barium Titanate/epoxy resin composites as Microwave Absorber Material in X-band frequency range	Bull. Mater. Sci.,	Vol. 33, No. 6, pg. 657-662	2010
	9.	Synthesis, Characterization and Evaluation of Reflectivity of Nanosized CaTiO <sub>3</sub> / Epoxy Resin	Bull. Mater. Sci.,	Vol. 34, No. 4,	2011
	10.	Composites of nanosized strontium titanate epoxy resin as microwave absorber.	Journal of Electromagnetic waves and applications.	ISSN:0920-5071(Print)1569-	2015-16
Dr. Vikram Athalye	1.	Superpositions of Chiral States in the presence of electric dipole, magnetic dipole and electric quadrupole interactions	J. Chem. Phys.	122, 174302	2005

	2.	Stationary states of pyramidal molecules coupled to an electromagnetic field below and above the critical pressure	J. Phys. A: Math. Gen.	38, 8239	2005
	3.	Decoherence of superposition of molecular chiral states due to Rayleigh scattering	J.Phys. B: At. Mol. Opt. Phys.	39, 2633	2006
	4.	Evolution of coherence between the Jaynes – Cummings Eigenstates in the presence of repeated occupancy	arXiv.org: quant-ph/0710.3662v1		2007
	5.	Investigation of the Leggett-Garg Inequality for Precessing Nuclear Spins	P H Y. R E V. L E T T.	107, 130402	2011
Mr.Vishal S. Deore	1.	Effect of target span and configuration on the ballistic limit	International Journal of Impact Engineering	42 ,11-24	2012
Ms. Manjusha Bhosale	1	Life Estimation of SF6 Circuit breaker	Journal of information , knowledge and Research in Electrical Engg	ISSN: 0975/6736/Vol.	2013
Dr.Madhuri Purandare	1	Bianchi type-I cosmological model with quadratic equation	Astrophys space sci	357:20	2015
	2	Bianchi Type-III Cosmological Model with Quadratic Equation of State.	The African Review of Physics	10: 0009 65	2015
	3	Plane Symmetric Cosmological Model with Quadratic Equation of State	Bulg. J. Phys. 42	20–28	2015
	4	Higher Dimensional Spherically Symmetric Cosmological Model with Quadratic Equation of State.	European International Journal of Science and Technology	ISSN: 2304-9693	2015
Dr.Anand Joshi	1	Dielectric Properties of North Indian Ocean Seawater at 5 GHz	International Journal of Advances in Engineering and Technology IJAET	Vol. 2, Issue 1, pp 220-226.	Jan(2012)

	2	Study of Seawater Permittivity Models and Laboratory Validation at 5 GHz-	Journal of Geomatics, SAC-ISRO, The Indian Society of Geomatics,	Vol 7, No.1, pp 33-40.	April (2013)
	3	Dielectric Properties and Emissivity of Seawater at C-Band Microwave Frequency	Journal of Environmental Science and Engineering, National Environmental Engineering Institute CSIR, Nagpur	Vol. 54 No., pp 495-501.	4 October (2012)
	4	Dielectric Properties of Agra, Haldigati and Chennai saline soils at 5 GHz- Proceedings of ICMARS-2012, Jodhpur Conference	8th International Conference on Microwaves, Antenna, Propagation & Remote Sensing	pp 691 – 696.	11 <sup>th</sup> -15 <sup>th</sup> Dec.(2012)
	5	Winter Monsoon Dielectric Properties of Tropical Indian Ocean Seawater at 5 GHz	Proceedings of CSNT- 2013, Gwalior	IEEE Explore, 978-0-7695-4958-3/13, 2013	5th-8th April 2013
	6	Least square Fitting Method and Application to Estimate Microwave Permittivity	Journal of Basic and Applied Sciences	pp 21-26	Feb-14

### Papers Presented in Conferences

Dr. M. Purandare	1.	Spherically Symmetric Cosmological Model with Quadratic Equation of State.	"International Conference On Mathematical Sciences-ICMS2012" held at Nagpur	28-31 Dec.2012
	2	"D+1 dimensional cosmological model with quadratic equation of	International conference on Recent Advances in Mathematics at Dept. Of	20-23 <sup>rd</sup> Jan., 2014
	3	Early decelerating and late time accelerating B-V cosmological model with quadratic equation of state	International Conference on Frontiers in Mathematics 2015, Gauhati University, Guwahati, Assam, India	March 26-28, 2015

Prof. M .A. Jail	1.	Presented poster on “ Herbal Pesticides” in International conference on business	Organized by Modern college of arts, science and commerce, Shivajinagar , Pune	28 <sup>th</sup> -30 <sup>th</sup> Jan, 2012
	2.	Presented paper on “Algae as a source of biofuel – Anoverview” in Nationalconference on “Energy and sustainable development”	Organized by College of engineering, Pune.	28 <sup>th</sup> -29 <sup>th</sup> Feb 2012
Prof. N. Karandikar	1.	Paper published at, National Conference on “Recent trends in Applied Mathematics”	NCRTAM -2003 Coimbatore	April 2003
Dr. Malini Bapat	1.	Presented paper entitled, "A Soft Solution Process to Synthesize Nanocrystalline Barium Zirconate via Reactive Solid state precursors "	2nd International Conference on Materials for Advanced Technologies (ICMAT 2003) in Suntec, Singapore on (6-12 Dec.)	11 <sup>th</sup> Dec., 2003
	2.	Acoustic wave stimulated novel synthesis route for nanosized ferroelectric barium titanate at Metavista, (Pune chapter) .	Govt. College of Engineering, Pune	16 <sup>th</sup> Feb., 2005
	3.	Presented a poster entitled, "A designed hydrothermal synthesis of nanocrystalline lead titanate by means of reactive precursors", at the International Conference on Nanoscience and	India Habitat Centre, N. Delhi	16 <sup>th</sup> -18 <sup>th</sup> Mar. 2006
	4.	Poster presentation entitled,“ Nanostructured Titanate powders by Hydrothermal route” (B-186)	International Conference-NANO-2006 in IISc., Bangalore	Oct.2006.
	5.	Poster presentation entitled,“ BaSnO3 and Au-BaSnO3 nanorods; Application as CO gas sensor”	International Conference on Advanced Nanomaterials (ANM) at IIT Powai, Mumbai	8-10 Jan.2007

	6.	Poster presentation of paper by entitled, " Hydroxide directed novel route to synthesize nanosized cubic	International Conference on Nanomaterials and its applications (ICNA 2007) in NIT, Tiruchirapalli.	4 <sup>th</sup> -6 <sup>th</sup> Feb.2007
	7.	Oral Paper presentation, "Effect of mineralizer on	10 <sup>th</sup> International Conference on Advanced Materials (IUMRS-ICAM	8 <sup>th</sup> -13 <sup>th</sup> October, 2007.
	8.	Oral Paper presentation entitled, Nanoparticles of barium and strontium titanates/Epoxy resin as microwave absorbers	The 10 <sup>th</sup> International Conf. on Electromagnetic Interference and Compatibility (INCEMIC 2008) held at Nimhans convention centre.	26-27 Nov., 2008.
	9.	Oral Paper presentation entitled, Composites of barium titanate/epoxy resin synthesized in different concentrations as microwave absorbers	IEEE International Symposium (IEEE 2008) on microwaves 2008 held in Bangalore	3-6 Dec.2008.
	10.	Poster presented on," A Study of Plant mediated "synthesis of Nanoparticles. -	National Conference on BioEngineering Sciences: Present Status and Future Perspectives (NCBES-13)	15, 16 March 2013.
	11.	Oral Paper presentation at 254 <sup>th</sup> American National meeting	At Washington DC " Interactionof Ag nanoparticles embedded in Ocimum phytols against Xanthomonas"	August 20-24 <sup>th</sup> 2017
Prof. Milly Thomas	1.	Presented a technical paper on An Application of ANN Techniques for Economic Load Dispatch.	IEEE conference on Artificial Intelligence Tools in Engineering at CCOEW,Pune	6-8 March 2003
Ms. Mrunal Moharir	1	Real time Measurement of Power System Frequency using DSP	International Conference on electronics and Communication Engg.	15 07 2012
	2	Real time Measurement of Power System Frequency using DSP	National conference on Innovative Smart grid technologies	19-21 March, 2012

Mr.Vishal Deore	1	Effect of target span and configuration on the ballistic limit M.A. Iqbal, P.K. Gupta, V.S. Deore, S.K. Tak, G. Tiwari N.K. Gupta	International Journal of Impact Engineering 42 (2012) 11-24	-2012
Mr.Suhas Pawar	1	Objective Quality Analysis of Stereo Images using Edge Similarity Measurement on Cyclopean Image "	Proceedings of IEEE, Conference on Advances in Signal Processing 2016, Pune	2016
Dr.Anand Joshi	1	"Dielectric Properties of Gujarat and Uttar Pradesh Saline Soils at 5 GHz"	Proceedings of 11th International Conference on Microwaves, Antenna, Propagation and Remote Sensing, ICMARS-2015, Jodhpur, India.	2015

### Workshop/Seminars/ Conferences /Attended

Name of the staff	Sr. No.	Name of Workshop/Seminars/ Conferences Attended	Date	Organized by
Dr.M.A. Purandare	1.	Refresher Course for teacher of Appld Sc & Engg.Maths	27 June-1 July 2007	SCOE, PUNE
	2.	National Workshop on Computational methods in Engineering and Engineering sciences	21-24 Dec. 2009	organized jointly by MITCOE, Pune and IIT Bombay

	<b>3</b>	<b>ISTE workshop on Akash for education</b>	<b>10-11 Nov. 2012</b>	<b>Conducted by IIT Bombay</b>
	<b>4</b>	<b>International Conference on recent Advances in Mathematics.</b>	<b>January 20-23,2014</b>	
	<b>5</b>	<b>International Conference on general Relativity -2015</b>	<b>2015</b>	
<b>Mrs. Manisha Jail</b>	<b>1.</b>	<b>STTP at Chennai on comparison and analysis of conventional, Electrochemical and biochem- ical pathways of chemical</b>	<b>17 Nov to 29 Nov. 2003</b>	<b>Organised by Dr.M.G.R.Edu. &amp; Research institute. at Chennai</b>
	<b>2.</b>	<b>Attended Workshop Spectrum on Developing Mult.corp.in teachers</b>	<b>6 to 10 Dec 2010</b>	<b>VIIT,Pune</b>
	<b>3.</b>	<b>International conference on Business, opportunities in life sciences</b>	<b>28 th to 30 th Jan 2012.</b>	<b>Modern college of arts, science and commerce, Shivajinagar, Pune.</b>
	<b>4.</b>	<b>National seminar on Newer trends in chemical research and writing of scientific research paper</b>	<b>2 nd to 4 th Feb. 2012.</b>	<b>organized by Modern college of arts, science and commerce, Ganeshkhind, Pune .</b>

	5.	National conference on —Energy and sustainable development	28 th to 29 th Feb. 2012	organized by College of Engineering, Shivajinagar, and Pune.
	6.	International conference on —Global opportunities for latest developments in chemistry and technology-2014 (GOLD-CT-2014)	6 th Feb to 8 th Feb 2014.	Organized by North Maharashtra University, Jalgaon
	7.	National conference on Advances in chemical sciences with special reference to molecular spectroscopy, material science and organic electronics	19 th and 20 th Dec. 2014.	organized by Fergusson College, Deccan Gymkhana, Pune.
	8.	Attended Faculty Development Program (TEQIP) on fundamentas of counseling	23-28 June2014	COEP, PUNE
	9.	Attended Teacher training workshops (1,2,3)as a part of Royal Society of chemistry Yusuf Hamied inspirational chemistry programme	17 th & 18 th Feb. 2017.	organised by Dept.of Chemistry,SPPU,Pune.
Ms. Manjiree Kolhatkar	1.	Application of Geo- informatics in water sector	9 to 19 May 2006	Khadakwasla, Pune
	2.	Workshop on, "Finite elements in Engg."__	9 to 13 July 2012	COEP, PUNE

	3	ISTE workshop on Akash for education	10-11 Nov. 2012	Conducted by IIT Bombay
	4	Attended one week short term training Program under TEQIP on —Fundamentals of Counseling	23 rd July to 28 th July 2014	COEP,Pune.
Mrs. Namrata Karandikar	1.	Refresher Course in—"Engg. Mathematical Modelling of Engg. problems"	15 to 28- Dec.2003	D.Y. Patil College of Engg, Pune.
	2.	National seminar on "Mathematics in Computer Engg."	21-22 April 2009	SCOE, PUNE
	3	National conference on "Discrete Mathematics, Algebra and Analysis"	21-24 April 2013	Dept. of Mathematics University of Pune
	4	TEQIP-II sponsored F.D.P. on	2-6 Dec.	COEP, PUNE.
	5	Attended Faculty development Program(TEQIP) on 'Fundamentals	23- 28 June 2014	COEP, PUNE.
Mrs. Aparna A. Pai	1.	Workshop on 'Mission 10x , high impact teaching skills'	7 - 11 July,2008	Cummins College of Engg. Pune
	2.	Workshop on Finite elements in	From 9-13	COEP, PUNE
	3.	Attended one week short term	23 rd July to	COEP,Pune.
Dr. Malini Bapat	1.	Participated in the National Workshop on "Advanced Methods for Materials	Oct. 11-15, 2004	Materials Research Society of India (MRSI- Mumbai chapter) at BARC, Anushaktinagar, Mumbai
	2.	International Workshop on Nanotechnology and Advanced	July 9-11, 2009	National Chemical Laboratory, Pune
	3.	Wipro's Mission 10X certificate programme for High Impact Teaching skills (Dale Carnegie)	26- 30 July, 2011.	COEP, Pune

Dr. Vikram S. Athalye	1.	Attended conference <u>Raman Memorial Conference</u>	23 – 24 FEB/2007	Department of Physics, University of Pune in collaboration with Indian Physics Association, Pune
	2.	<u>Coherent Control of Ultracold Molecular Processes</u>	1 – 4 AUG 2007	ITAMP, Harvard, USA and Dept. of Physics and Chemistry, University of British Columbia Vancouver
	3.	Use of Trapped Cold Molecules for the purpose of Quantum Computation and Quantum Information Processing	3 – 24 Dec/2007	Institute for Quantum Optics and Quantum Information, University of Innsbruck, Innsbruck, Austria
	4.	Wipro's Mission 10X certificate programme for High Impact	26- 30 July 2010.	COEP, Pune
Ms. Sangita Gambhir	1.	"STTP "special Methods of Teaching Engineering Mathematics"	4 -17 December 2004	AISSMS,COE Pune
	2.	STTP on "special Methods of Teaching Engineering Mathematics"	30 <sup>th</sup> May to 10 <sup>th</sup> June 2005.	NITTTR Ext. centre, Pune
	3.	"EN-MATHEMATICA" the methods of effective Teaching techniques	15- 26 May 2006	Sinhgad College of Engg. Pune.
	4.	Workshop on "Some Steps towards Research in Differential Geometry"	11 - 14 Dec. 2008	Pravaranagar college of Engg., Loni.
	5.	National workshop on "Computational methods in Engg. and Engg. Sciences"	21-24 Dec. 2009.	MIT Pune and IIT Bombay
	6.	International workshop on "complex Analysis"	11 -15 June 2012	Walchand College of Engg. Sangli

	7.	ISTE workshop on **Introduction to research Methodology"	25June to 4 July 2012	Cummins College of Engg. for women, Pune.
	8.	Workshop on Finite elements in Engg.	9 - 13 July 2012	COEP, Pune
	9.	TEQIP-II workshop on "significant role of Mathematical Analysis in Applied sciences and	Sept.30- Oct.4, 2013	NIT, Surat
	10.	workshop attended State level seminar on "Exploring Effective Pedagogies in Mathematics"	9th January 2016	organized by Department of Mathematics, Modern College, Ganeshkhind, Pune under QIP of
	11.	One day state level workshop on "Linear algebra and Applications" sponsored by S.P.P.U.	13th Feb., 2016.	organized by Department of Mathematics, S.P. College, Pune
Mrs. Milly Thomas	1.	Wipro's Mission 10X , High Impact Teaching skills	26/07/ 2010- 30/07/2010	COEP, PUNE
	2.	STTP on Research methodologies and Mathematical modeling	11-15th March,2010	CCOEW, PUNE
	3.	Attended two week **Induction Program"	23 <sup>rd</sup> April to 5 <sup>th</sup> May 2012	NITTTR Ext. centre, Pune
	4.	International workshop on "complex Analysis"	11 <sup>th</sup> June to 15 <sup>th</sup> June 2012	Walchand College of Engg. Sangli
	5.	Workshop on "scientific Computation on General purpose GPU"	18 <sup>th</sup> June to 4 <sup>th</sup> July 2012	COEP, PUNE

	6.	TEQIP Sponsored Faculty Development Programme	12/05/2014 – 16/05/2014	
Mrs. Mrunal Moharir	1.	STTP on "Opportunities ,Challenges and Scope of Re search in Electrical Engineering"	17th-21st January 2011	organized by AISSMS , IOIT, Pune,
	2.	ISTE Workshop Basic Electronics Engineering_	28th Jun - 8th July,2011	IIT Bombay at Cummins college of Engineering for Women, Pune
	3.	Mission 10x workshop	26th - 30th July 2010	COEP, Pune
	4.	2-week ISTE workshop on "Solar photovoltaic"	12– 25 Dec 2012	PVG, PUNE
	5.	ISTE Workshop on "Research Methodology"	25thJune- 4thJuly 2012	CCOEW, PUNE
	6.	TEQIP-II sponsored F.D.P. on Nanomaterials and Nanocomposites_	2-6 Dec. 2013	COEP, PUNE
	7.	FDP on 'Fundamentals of counselling'	23 June – 28 June 2014	COEP, PUNE
Mrs. Manjusha Bhosale	1.	Attended seminar on Micro grids in Indian Power system	6/6/2011 to 7/6/2011	The Institution ofEngineers , Pune
	2.	ISTE Workshop Basic Electronics Engineering_	June,28- July 8,2011	Organised by IIT Bombay at CCOEW, PUNE

	3	Faculty orientation workshop on revised syllabus"Electronics and Electrical Engineering	Dec.13,201 3	M.M.C.O.E., PUNE
	4	Attended workshop on 'Effective English for Engineering Experts'	12-16 May 2014	COEP ,Pune.
	5	Attended workshop on Nanomaterials Charecterization and Applications in Devices	7-11 April 2014	COEP ,Pune.
Mr. Suhas Pawar	1.	"SPECTRUM" a five day workshop on'Developing Multidimensional Competencies in Teachers'	6—10 Dec 2010	VIIT,Pune
	2.	ISTE Workshop Basic Electronics Engineering_	June 28- July08, 2011.	Organised by IIT Bombay at CCOEW, PUNE
Ms. Jyoti Prasad	1.	ISTE workshop on Computational Fluid Dynamics	June 12-22, June 2012	conducted by IIT Bombay, at CCOEW Pune
Ms. Deepali Kumawat	1.	Participated in seminar on 'STEEL ASTHETICS & TECHNOLOGY'	29 Feb-Mar 2008	BN College Of Architecture, Pune.
	2.	Attended workshop –PLANNING A“PECT“ forProject: Concept to Completion	7 to 8 March 2009	Sinhgad College of Engineering Pune
	3	STADD PRO Software Course	16 <sup>th</sup> to 31 <sup>st</sup> Mar. 2008	Civil Engg. Software Academy
	4	Completed workshop on Applications of MATLAB and Simulink for Engineers	Dec 9 - 13, 2013	organized by Department of Mechanic Engineering, College of Engineering Pune 62
	5	National Town & Country Planners Congress	Jan 10 -12, 2014	Institute of Town Planners, India (ITPI)

Mr.Vishal Deore	1	Two week ISTE Workshop on Fluid Mechanics.	May-14	IIT Kharagpur.
	2.	Two week ISTE Workshop on Computer Programming.	June 2014	IIT Bombay.
Mrs.Snehal Patil	1.	Faculty Development Program on Ethical Hacking and Information Security	5 <sup>th</sup> ,6 <sup>th</sup> & 7 <sup>th</sup> January 2012	ZES's Dnyanganga College of Engineering and Research, Narhe ,Pune and Kyrion Digital Securities
	2	Workshop on Engineering Mathematics-I and Examination Reforms(Revision 2012)	31 <sup>st</sup> July 2012	Pune institute of Computer Technology, Pune and Board of Studies (Engineering Sciences).
	3	Workshop on Engineering Mathematics-II (Revised Syllabus 2012 course)	20 <sup>th</sup> December 2012	Maharashtra Institute of Technology, Pune and Board of Studies (Engineering Sciences).
	4	National Conference on Discrete Mathematics, Algebra and Analysis	21 <sup>st</sup> -24 <sup>th</sup> April 2013	Department of Mathematics, University of Pune ,Pune
	5	One day workshop on Engineering Mathematics III (Revised 2012)	21 <sup>st</sup> June 2013	Sinhgad College of Engineering, Pune.
	6	Course of Applications of MATLAB and Simulink	9 <sup>th</sup> Dec 2013 to 13 <sup>th</sup> Dec 2013	College of Engineering, Pune
	7	One day workshop on Engineering Mathematics III	18 <sup>th</sup> December	K.K.Wagh college of Engineering, Nashik.
	8	I.S.T.E. approved one week STTP on "understanding applications of mathematics in engineering discipline"	23 <sup>rd</sup> Nov.'2015 to 28 <sup>th</sup> Nov.'2015	Vishwakarma Institute of Information Technology, Pune
	9	state level seminar on " Exploring Effective Pedagogies in Mathematics"	09 <sup>th</sup> Jan.'2016.	Modern College of Arts , Science & Commerce, Pune

	10	state level workshop on “ Linear Algebra & Applications”	13 <sup>th</sup> Feb 2016	S.P. College , Pune
Dr.Anand Joshi	1	National Workshop on “Observational Astronomy with Small Telescope”	Jan 31 –Feb 2, 2005	Nellore
	2	National 7th Conference on “Microwave, Antenna, Propagation & Remote Sensing”by	December 9 <sup>th</sup> -11 <sup>th</sup> , 2008	organized by International Centre for Radio Science, held at Jodhpur.
	3	Short Term Course AICTE sponsored SDP course on “Advanced Microwave	11th July to 23rd July 2011	SIRTS,Bhopal.
	4	“JES-IUCAA Workshop on Teaching and Research Using Small Telescopes”,	17 <sup>th</sup> to 19 <sup>th</sup> Oct, 2011	JES college , Jalna.
	5	3rd IEEE International Conference on Communication System and Network Technology	5 <sup>th</sup> -8 <sup>th</sup> April 2013	Gwalior
	6	JES-IUCAA Workshop on Astronomy and Physics for Science Communicators	26 <sup>th</sup> to 27 <sup>th</sup> September, 2013	JES college , Jalna.
	7	Research Methodology in Physical Sciences” National Seminar	15 <sup>th</sup> and 16 <sup>th</sup> February, 2014	Balbhim College, Beed

**Workshop/Seminars/ Conferences conducted**

Name of the staff	Sr. No.	Name of Workshop/Seminars/ Activities organized	Date	Organized by
Mrs. Manisha Jail	1.	Workshop on Molecular Electronics	8th Aug., 2009	Cummins College of Engg. for Women, Pune – 52,

Dr. Vikram Athalye	1.	"100 Years of Electron –50 Years of Transistor",India.	December 1997	Department of Physics, University of Mumbai,
	2.	"50 Years after Einstein – Some foundational topics"	March 2005	Department of Physics, Thakur College, Mumbai, India.
Dr. Malini Bapat	1.	Organized Quiz event, "Lord of the Rings" for intercollege students (F.E. to B.E.) in Innovation 2K 16 in Cummins College.	Mar-16	Cummins College of Engg, Pune, India.
Dr. Malini Bapat and Dr. Vikram Athalye	1.	"Entanglement – 2011", (Sponsored by BCUD,UoP and Cummins COE)	28 <sup>th</sup> Feb.2011	Cummins College of Engg, Pune, India.
Mr. Suhas Pawar	1.	Conducted a day session for the staff on "Rediscovering	24 <sup>th</sup> Dec,2010	Rosemount Tank Gauges
	2.	Workshop on "Success in Interviews and Group	7 <sup>th</sup> September 2010 and 18 <sup>th</sup>	MAEER's Shri Savitribai Phule Polytechnic Pune
	3.	Workshop on "Personality Development' for the students	13 <sup>th</sup> April 2010	Shreemant Shivajiraje College of Horticulture, Phaltan.
	4.	Training program for the CII-FM trainee engineers at Forbes Marshall under the	(i)17 <sup>th</sup> Feb'12 (ii)16 <sup>th</sup> Aug'12 (iii)4 <sup>th</sup> Jan'13	Forbes Marshall
	5.	"Communication Skill" and "Public Speaking"	13 <sup>th</sup> , 20 <sup>th</sup> , 27 <sup>th</sup> July and 3 <sup>rd</sup> August 2013	Bharati Vidyapeeth's Institute of Management and Entrepreneurship Development, Pune
	6.	"Communication and Personality Development" for students under Student Welfare Scheme of U.O.P	16 <sup>th</sup> Jan'13	Shree Siddhivinayak Arts and Commerce College
	7.	" Personality development and self introspection " for staff and faculty	31 <sup>st</sup> Jan'13	Shree Siddhivinayak Arts and Commerce College

## **Books Published**

### **Prof. Manisha Jail**

1. Text book for F.E. Applied Science I & II DISHA Publication (2003 course).
2. Co-author for text book on Applied science I and II for F.E by Technical Publication  
(2008 Syllabus) in 2009-10.

### **Guest Lectures:-**

### **Prof. Manisha Jail**

- i) Guest Lecture delivered on 'Phase rule and applications' in Dr.. D.Y. Patil College of Engg.-Akurdi for F.E. students on 3rdFeb. 2009.
- ii) Invited as a guest faculty to conduct the lecture on 'Phase rule' in Modern Education Society's College of Engg.,Pune & Marathwada Mitra Mandal's College Of Engg. Pune (April 2010)
- iii) Resource person for Workshop on FE Syllabus implementation (2008-09 course) for subject Applied science-Chemistry (conducted on 5<sup>th</sup> Jan. 2009) by Marathwada Mitra Mandals, College of Engg., Pune – 52.

iv) Guest Lecture delivered on 'Phase rule and applications' in Dr. D.Y. Patil College of Engg.-Akurdi for F.E. students on 3rd Feb. 2009.

### **Research Projects and visits (Abroad)**

#### **Dr. Vikram Athalye**

1) Offered an appointment as a visiting scientist at **Institute of Quantum Computing (IQC) at University of Waterloo** and received **CAD \$ 15000** from IQC-UW - as **honorarium + to-and-fro travel expense reimbursement (CAD \$ 2000)** from **May 1, 2012 to 31 July, 2012.**

2) Invited to give a talk in the international conference '**The Time Machine Factory 2015**', organized by University of Turin, Italy (25-28 October 2015). name of Talk was: '**Space time: pre-existing classical label vs. acquired quantum observable**' on OCT 26, 2015.

### **Research grant**

#### **Dr. Malini Bapat**

1) Received BCUD, University of Pune, Research grant of **Rs 1,10,000/-** for minor project entitled

Principal investigator "**BioSynthesis of nanoparticles and its applications**" (2012-2014).

2) Principal Investigator for Industry sponsored Consultancy Project on '**Quick effective method for nanoparticles for Agrochemicals**', July 2015 for **Rs 2.54 lakhs** for Swaroop Agrochemicals, Nashik.

### **Patents**

#### **Mrs. Namrata Karandikar**

Indian patent entitled "A method and an apparatus for data compression including encryption for file transfer" has been granted in Sept. 2017

**Dr. Malini Bapat**

Patent filed: Complete specification of patent entitled **Green Corrosion Inhibitor and a process thereof** filed in April 2011 , Dr. M.S. Bapat and Neha Sharma.

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