

## 1. Dr. A.K.Shende

### List of research paper publications

**Dr. Arvinda Shende's under guidance the following research scholars are working / awarded Ph.D.**

#### Ph.D. Awarded

1. **Prof. Ramesh Gan**

“Nagpur jilhyatil santra utpadan va vipajan samsyanche adhyayan –ek abhyas”.

(Kalavadhi 2001-2006)

2. **Prof.Shambharkar**

“Maharashtra Sarkarchya ekadhikar kapus yojanecha vittiya vishleshan”

(Kalavadhi 1991-92 te 2001-2002)

#### Registered for Ph.D.

1. Mrs. J K Ramteke

2. Ku. A R Ruikar

3. Mrs. N C Wagade

4. **Javed Khan Mohd.Khan Pathan**

“Nagpur Jilha parishadechya prashaskiya va vittiya babiche adhyayan”.

(Kalavadhi 1997-78 te 2006-2007)

5. **Prof. D.N.Kadase**

“Amaravati mahanagarपालikechya aarthik sthithiche adhyayan”.

(kalavadhi 1994-95 te 2003-04)

6. **Prof. A.S.Lokhande**

“Chandrapur, gadachiroli jilhyatil jihlaparishadecha tulnatmak vittiya abhyas aani prashasanache adhyayan”. (Kalavadhi 1993-94 te 2003-04)

7. **Shri. S.G.Nasare**

“The Vidarbha Premier Co-operative Housing Society Ltd. Chya vittiya va prashasakiya karyache adhyayan”.(kalavadhi 1990-91 te 2003-04)

8. **Ku.Vaishali Patil**

“Causes of Suicides and its impact on financial structure of the farmers in Amaravati District.” (Duration 2000-2001 to 2007-2008)

9. **Sanjay Bagade**

“Vyapariyoke vittiya va lekhankan tatha kararopan ke sambadh me gyan aur jagrukata”.(Nagpur jilha ke vyapariyoka ek vishleshanatmak adhyayan).

10. **Shri .Abhishek Mukherji**

“A study on micro finance with special reference to self help groups and employment of women in Nagpur city”.(Duration 1998-2007)

11. **Prof. D.C.Wazarkar**

“Nagpur vibhagatil nagari sahakari adhikoshanchya vittiya sthithiche adhyayan.”(Kalavadhi 1991-1992 te 2002-2002)

12. **Prof M.M.Telrandhe**

“Bhandara jilhyatil nagar palikanchya vittiya prashasanacha vishleshantamak abhyas”.(Kalavadhi 1995-1996 te 2004-2005)

13. **Prof. N.N.Karhikar**

“Advances provided by State bank and its impact on the customer of Nagpur region”.(Duration 1998-2008)

**Major / Minor Research Project: Completed / On Going**

Sponsored by	Duration	Subject/ theme of project	Amount sanctioned(Rs)
UGC	2005	‘Financial study of Municipal Corporation in Vidarbha. ‘	

2. **Dr Bharat Meghe**

**Research Paper in Journals**

**Dr. Bharat Meghe has published the following papers in Journals:**

1. **Bharat Meghe**, Human Resource Development through Co-operative in Maharashtra- Study of Malshiras Thasil, *Research Analysis and Evaluation*, Vol. 07 (1), 31 (2010). [ISSN 0975-3486].
2. **Bharat Meghe**, Business schools in India and Students Expectations, *Shodh Samiksha*, Vol. 17 (II), 38 (2010) [ISSN 0974-2832].
3. **Bharat Meghe** and Devendra Kawaday, Quality in Higher Education, *Cosmos*, B1, 13 (2010). [ISSN 978-81-907408-6-9].
4. **Bharat Meghe** and Anant Deshmuck, The Impact of Recession on Life of Sudents, *The Indian Journal of Commerce*, Vol. 63(2), 231, (2010).
5. **Bharat Meghe** and Anant Deshmuck, Innovation and Creativity As Engine of Entrepreneurial Success, *Research Link*, Vol. IX(4), 110 (2010) [ISSN 0973-1628].
6. **Bharat Meghe**, A Conceptual Paper on Co-operative Enterprises, *Research Analysis and Evaluation*, (2010). [ISSN 0975-3486].
7. **Bharat Meghe** and Nayana Gurnule, Analysis of Farmers Distress and Suicide in Vidharbha Region of Maharashtra State, *The Horizon Research Journal*, Nagpur (2011) [ISSN No. 2229-4554].
8. **Bharat Meghe** and Nayana Gurnule, Vidarbhatil Kapus Utapadak Shetakaryanchya Atmahatya: Ek Samajik Va Arthik Vishleshan. *Research Link*, Vol.. IX, 80, (2010), 150-151, [ISSN No. 0973-1628]
9. Total Quality Management in Education, *Research Analysis and Evaluation*, Page No. 61-63, Vo. 2(19) 2011, [ISSN 0975-3486].
10. E-Commerce Trust Management the Influence of Social Factor, *Research Link*, Vol, 10 (2), 2011, [ISSN No. 0973-1628]

11. Indian Retail Business Opportunities and Challenges, Knowledge Resonance, 01-04, Vol 2, July-Dec. 2011, ISSN No. 0975-3486

**International Seminars / Conference:**

1. International conference on “Mathematical Physics” organized by Faculty of Science Nagpur University, Nagpur held during 11<sup>th</sup> – 16<sup>th</sup>, January 1999.
2. International conference on “Globalization and its impact on Indian Economy” organized by Department of Commerce Dr. Babasaheb Ambedkar Marathwada University, Aurangabad held on 15<sup>th</sup> - 16<sup>th</sup>, March 2002.
3. International Conference on Issues and Advances in Business, Management, Engineering and Social Sciences, ‘The Role of Globalization in Social Transformation in the India Context’ Organized by Choice Institute of Management Studies & Research ( C.I.M.S.R.) 20<sup>th</sup> Dec. 2011
4. International Conference on Issues and Advances in Business, Management, Engineering and Social Sciences, ‘Mobile Learning for Expanding Educational Opportunities in Rural India’ Organized by Choice Institute of Management Studies & Research ( C.I.M.S.R.) 20<sup>th</sup> Dec. 2011
5. Second International Conference on Emerging Trends for valueCreation in the Era of KnowledgeEconomy 18<sup>th</sup> Feb. 2012, Issues Regarding Security and Privacy for Further Development of E-Commerce, Organized by Datta Meghe Institute of Management Studies Nagpur ELIXIR-2012
6. International Conference on Contemporary Issues in Management, Technology and Economics, ICCIMTE 2012, ‘Effect of Social Responsibility in Marketing and its Implementation in Indian Industries’ Organized by Prof. Ramkrishna More Arts, Commerce and Science College, Akurdi, Pune

**National Seminars / Conference:**

1. 50<sup>th</sup> All India Commerce Conference held on 27<sup>th</sup> to 29<sup>th</sup>, December 1996 at Hyderabad under the auspices of Department of Commerce Osmania University, Hyderabad (A.P.).
2. 51<sup>th</sup> All India Commerce Conference held on 27<sup>th</sup> to 29<sup>th</sup>, December 1997 at Indian Institute of Business Management, Patana.
3. 53<sup>rd</sup> All India Commerce Conference held on 29<sup>th</sup> to 31<sup>st</sup>, October 1999 at Aurangabad under the auspices of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
4. National Symposium on “Mathematical Science” organized by Department of Mathematics, Nagpur University, Nagpur during 1<sup>st</sup> to 5<sup>th</sup> March, 2001.
5. 56<sup>th</sup> All India Commerce Conference held at North Maharashtra University, Jalgaon from 25<sup>th</sup> to 27<sup>th</sup> December 2003.
6. 57<sup>th</sup> All India Commerce Conference held on 26<sup>th</sup> to 28<sup>th</sup>, December 2004 at Indore under the auspices of Devi Ahilya Vishwa Vidyalaya, Indore.
7. National Seminar on “Recent Trends in Commerce and Management” held on February 13<sup>th</sup>, 2004 at Kamla Nehru Mahavidyalaya, Nagpur.
8. National level Seminar on “Impact of WTO Agreement on Industry and Agriculture” at DNC Nagpur on dated 29/Jan/2005
9. National Seminar on Global Convergence of Commerce Education at RTM Nagpur university, And The Institute of Chartered Accounts of Indian, New Delhi on dated 22 Oct 2005
10. National Seminar on Impact of VAT on Consumers and traders at D N C Nagpur On dated 28 Jan 2006
11. National Seminar on Teacher Education at NCTE, WRC, Bhopal on dated 19 Nov 2006
12. 59<sup>th</sup> All India Commerce Conference at Andhra University, Vishakapatnam, on dated 28-30 Dec 2006

13. UGC sponsored one day seminar on “Teaching Interact Concepts of Management” held on Sunday 24<sup>th</sup> October 2004 at Karmavir Mahavidyalaya, Mul Dist. Chandrapur.
14. National Seminar on Indian Banking Present and Future at Kamla Nehru Mahavidyalaya, Nagpur on dated 25 Feb 2007
15. National Seminar on Global Convergence of Commerce Education at RTM Nagpur university and The Indian Institute of Chartered Accountants of India, New Delhi on dated 18 Dec 2007
16. 60<sup>th</sup> All India Commerce Conference at Dept of Commerce, Osmania University, Hyderabad on dated 27-29 Dec 2007
17. National Seminar on Relevance of the Arts and Commerce Faculty Education in Indian universities in Respect of Courses, Teaching- Learning & Evaluation Process at Annasaheb Gundewar College, Nagpur on dated 14 July 2008
18. National Seminar New Age Banking : Challenges And opportunities in Indian Context at Nabira Mahavidyalaya, Katol on dated 31 Aug 2008
19. National Seminar on E-governance for Common Man at D N C, Nagpur on dated 11 Oct 2008
20. 61<sup>st</sup> All India Commerce Conference at D N C, Nagpur on dated 27-29 Dec 2008
21. 62 All India Commerce Conference of Indian Commerce Association at Maharshi Dayanand Saraswati University, Ajmer on dated 10-12 Oct 2009
22. National Seminar on World Economic Recession and its Impact on Indian Economy at Dayananda Arya Kanya Mahavidyalaya, Nagpur on dated 17-18 Feb 2010
23. National Seminar on Marketing in 21<sup>st</sup> Century at Arts, Commerce & Science College, Arvi on dated 11 Mar 2010
24. National Seminar on Effect of Special Economic Zone in Agriculture, Industry and Employment in Maharashtra at DR. M K Umathe Arts, Science & R Mokhare Commerce College, Nagpur on dated 11 Mar 2010
25. National Seminar on Information technology and its Impact on Commerce Education at DR. M K Umathe Arts, Science & R Mokhare Commerce College, Nagpur at 26 Mar 2010
26. National Seminar on Intellectual Property Rights at R S Mundle Dharampeth Arts & Commerce College, Nagpur on dated 27 Mar 2010
27. National Level Conference on Globalization Opportunities and Challenges on dated 08 April 2010
28. National level Conference on Impact of Recession on Employment at V M V & J M Thakar College of Arts and J J Patel Science College, Nagpur on dated 04 Sep 2010
29. 63<sup>rd</sup> All India Commerce Conference attended at Goa University, Goa on dated 1<sup>st</sup> to 3<sup>rd</sup> October 2010
30. National Level Conference on Changing Face of Indian management and 21<sup>st</sup> Century Annasaheb Gundewar College, Nagpur on dated 22<sup>nd</sup> Jan 2011
31. National Seminar in World human week-2011 “Need of social change in humanity Sohara and Fizaque Gorakhpuri”: 28<sup>th</sup> Aug. 2011
32. National Conference on “Emerging trends in Commerce Education” organised by Jagat Art and Commerce and Indiraben Patel Science college, Goregaon , Distt. Gondia on 1<sup>st</sup> oct. 2011
33. 64<sup>th</sup> all india commerce conferece organised by department of commerce ,School of management, Pondicherry University on “Work like balance in India :Anew paradigm (with special reference to Hingana industrial sector ,Nagpur) during Dec 13-15<sup>th</sup> 2011
34. 64<sup>th</sup> all india commerce conferece organised by department of commerce ,School of management, Pondicherry University on “An evalution frame work of ethical problems for E-Government” during Dec 13<sup>th</sup> -15<sup>th</sup> 2011

35. Art commerce college , Saunsar, Distt Chindwada One day UGC sponsored National seminar on Global economic crises and their impact on indian Economy held on 29<sup>th</sup> Jan 2012
36. 3 days National seminar on Centenary of cooperative movment : Review and Prospect organised by department of commerce and Economics Dr. B. N. Purandare Arts, Smt S. G. Gupta Commerce and Science college, Lonawala, Pune on 21<sup>st</sup> -23<sup>rd</sup> Feb 2012
37. National Conference on Foreign direct investment in India “Opportunity and challenges” oraganised by Department of Management and Studies , K.D.K. College of Engineering , Nagpur on 3<sup>rd</sup> Mar 2012 presented the reaserch paper entitled “Potetials and challenges of FDI in Indian retail sector”
38. 7 days National workshop on Reseach Methodology for research in commerce. Social Sciences, Arts and Business Studies organised Dhanwate National college, Nagpur on March 7<sup>th</sup>- 14<sup>th</sup>,2012
39. National Seminar on “India Vs Bharat : Bridging the urban-rural divide” organised by Sinhgadh Institite Business Administration research, Kondhawa, Distt Pune, on Mar. 9<sup>th</sup> -10<sup>th</sup> 2012
40. National Seminar on Stess management and sport psychology in physical education organised by Principal Arunrao Kalode Mahavidyalaya, Nagpur department physical education on Apr. 19<sup>th</sup> 2012, paper entitled “Sport psychology and the sport psychologist”
41. 1 day National level Conference on “Modern management ad technique and corporate world” organised by department of commerce, Hislop College, Nagpur. paper presented entitled “E-Commerce and future supply change optimisation technique” held on 20<sup>th</sup> Apr. 2012
42. 1 day National level Conference organised by department of commerce, Hislop College, Nagpur. held on 20<sup>th</sup> Apr. 2012, paper presented entitled “ Employee engagement and organisation performace in Smaa scale enterprenure in central india(with specific reference to industrial relation in Nagpur city)

**List of Ph.D. Awarded Students**

<b>S. No.</b>	<b>Name of Students</b>	<b>Title of Thesis</b>	<b>Date of Notification and No.</b>
1	Mr. T Chenna Kesavalu	Labour Welfare Measures in Cement industry of Andhra Pradesh (With refrence to factorize act of 1948 from 1990-91 to 2000-2001	30 <sup>th</sup> June 2004 No. Prof/Exam/Ph.D./7/51
2	Shri. Chandrabharm Balkrishna Bhojar	A Analytical Study of Maharastra Labour Welfare Board’s Work ( Ref: Nggpur City 1990-2000	22 <sup>nd</sup> March 2005 No. N. U. /Exam/Ph. D./02/15
3	Shri. Sanjaykumar Deaodatta Ramteke	Critical Evaluation of Impact of Internet Services on Business World in Nagpur	30 <sup>th</sup> August 2006 RTMNU/Ph. D./08/477
4	Shri Baburao Bakaramji Kalpande	A Analytical Study of The contribution of Mahila Urban Co-operative Bank in the Development of Nagpur Districts Women Business (1990 to 2000)	6 <sup>th</sup> October RTMNU/Ph.D./09/497
5	Shri Sanjay Sahebrao Tekade	Nagpur Jihyatil Soyabin Utpadak Shetkrya cha arthik, Samajik stiticha v utpadan samasyeche vishlkanatmak Adhyaan (1990-91-1999-2000)	24 <sup>th</sup> April/Ph.D./04/360
6	Shri G Narasimha Rao	A Study of Human Resources Development Climate in vijaywada Thermal Power Station	23 <sup>rd</sup> May 2007 RTMNU/Exam/Ph.D./05/411
7	Shri Satish Pundlikrao Dudure	A Analytical Study of Forest Labour in Wardha District	13 <sup>th</sup> August 2008 RTMNU/Exam/Ph.D./7/3172
8	Shri V V Ratnajirao Chowdhary	“ Impact of Financial Reforms on the Performance of State Financial Corporation a Case Study of the Turn Around of Andhra Pradesh State Financial Corporation (	3 <sup>rd</sup> July 2009 RTMNU/Exam/Ph.D.Cel 1/08/707

		During the Period of Study from 1989-2004)	
9	Shri Umaji Anandrao Hire	Chandrapur Jilhyatil Krushimal vipananat Krushi Utpanna Bajar Samitiche Yogadan Ek Adhayaan (1993-94 to 2003-2004)	10 <sup>th</sup> December 2009 RTMNU/ Ph.D. Cell/4/500
10.	Shri Rajendra Chandrashekher	A Study of Social Security Schemes and labour welfare measures in cement industry of Andhra Pradesh ( With reference to Welfare safety, Health and social security from 1997-98 to 2006-07)	24 <sup>th</sup> November 2008 RTMNU/PH.D. Cell./114
11.	Smt Abha Sunil Khandelwal	Analysis of Trust Management e-Commerce among college going student in Nagpur region ( 2002-2003 to 2006-2007)	3 <sup>rd</sup> March 2011 RTMNU/Ph.D. Cell./ 304
12.	Shri Shankar Babu Bayana	A Study of Financing of Paper Industry in India ( 1995-1996 to 2005-2006)	31 <sup>st</sup> March 2011 RTMNU/Ph/D. Cell/ 501
13.	Ku. Rekha Babaji Meshram	Ekatmik Balvikas Yojana Antargat Chandrapur jilhyatil labharthinha zhalela Arthik va Samajik labha –Ek Abhyasa ( 1991-2004 )	31 <sup>st</sup> March 2011 RTMNU/Ph.D. Cell/ 5/500
14.	Shri Tishar V. Chaudhary	Analysis of Human Resource Management in Nagpur Municipal Corporation (1995-96 to 2005-06)	26 <sup>th</sup> July 2011 RTMNU/Ph.D. Cell/ 555
15.	Shri Pramod Kothiwale	Nagpur Jilhyatil Alapabhudharak Shetakaryanche Arthik Mulyankan	26 <sup>th</sup> July 2011 RTMNU/Ph.D. Cell/ 12/554
16.	Mrs. Nayana W. Gurnule	Socio-Economic Study of Cotton Growing Farmers In vidharbha Region (1996-97 to 2006-07)	14 <sup>th</sup> Oct. 2011 RTMNU/Ph.D. Cell/ 1763
17.	Shri U. T. Kamble	Gadchiroli Jilyatil Vikasakarita Nabard Dware Lalmat Aslelya Vitta Purvathyache Adhayaan ( Establishment to 2006)	24 <sup>th</sup> January 2012 RTMNU/PH.D./ cell /5/451
18	Mr. M. Vankateshwara Rao	A Study on online Banking service with reference to ICICI HDFC and AXIS Banks ( During the period of 1995-2005)	6 <sup>th</sup> Feb. 2012 RTMNU/PH.D.(Cell) 16/457
19	Mr. Yalamanchili Kishore Kumar	Labour Welfare Measures in Steel Industry of Andhrapradesh	7 <sup>th</sup> March 2012 RTMNU/Ph.D. (cell)/18/1065.
20	Mr. Benzwada Ramaiah	A Study on marketing of Banking services of state Bank of India in Andhra Pradesh 1996-2006.	11 <sup>th</sup> April 2012 RTMNU/Ph.D. (Cell)/ 11/2091
21	Mr. Kailash Arjun Kalyani	A Critical Evaluation of Control system in Central Government offices with special reference to Directorate Geral of Mines safety western Zone Nagpur (Period 1995-2005);	5 <sup>th</sup> May 2012 RTMNU/PH>D> (Cell)/13/2991
22	Ku. Chandani Ramesh Sabnani	Analytical Study of Personal Loan in Nationlised Bank ( State Banking India) 1997-2006.	5 <sup>th</sup> May 2012 RTMNU/PH>D> (Cell)/13/2991
23	Shri Pravin Vijayrao Bhise	A study of management and leadership efficiency of management institute in Maharashtra.( With special reference to management insitutte in the RTM Nagpur University Areas 1995-2005).	4 <sup>th</sup> July 2012 RTMNU/PH>D. (Cell)/16/6137.

### Registered Students for Ph.D.

Sr. No.	Name of Scholar	Subject	Date of registration
1.	Ku. Vidya Arun Nakhate	Comparative Study of Marketing in Chronic Therapy Segment by pharmaceutical industries in Maharashtra (2001-2010)	11/07/2008
2.	Mr. Satish P Paseband	“Relative Strength of Shares a Stratagic Analysis for Investment and Trading Period of Research (1998-2008)	15/09/2008
3.	Mr. Raju Uttarwar	Role of International Commodities Trading on Indian Economy During Period of 2008-2019	28/01/2009
4.	Shri Parag B. Thakare	A Study of Emergence of Corporate Retailers and its Imapct on Consumer and Consumerism ( 1999-2009)	13/08/2009
5.	Shri Ravindra Gharpure	Analyzing Issues of Information Security in Business Management and Destining the Strategies for Enhancement of Information Security in Information Technology IT Governanece	11/01/2010
6.	Shri Rajesh V. Mahajan	Prospective Analysis of Current Trends in Banking Industry with Reference to Digital Banking in Nagpur	15/01/2010
7	Ku. Priya D. Gedam	Role and Contribution of Foreign Direct investment in Industrial Development of Maharashtra State ( 2000-2010)	03/05/2010
8.	Sri Nandkumar M. Khachane	Study of Effect of Open Source Software implementation on Reduction in Total Cost Ownership with Special Reference to Small IT Companies and IT Education Insitutute in Pune IT HUB	06/12/2010

### **3. Dr. Abdul Bari**

**Prof. Abdul Bari was providing guidance to the following research scholars :-**

1. Ku Nutan Agrawal, NMD college, Gondia.
2. Mr. Zia Ahmed
3. Mr. Rajesh Bahnrupi, Porwal college , Kamptee.
4. Mr. Rajesh Dahrwehkar S.B. City , Nagpur.
5. **Mr. Ziya Ahmed Jamil Khan:** “Management of Micro Finance and Micro Enterprises and its Role in Employment Generation for Sustainable Development.”
6. **Mr. Rajesh S. Bahurupi:** “Nagpur Shaharatil Bharatiya State Bank chya Shakhani GruhaNirman Karjachya sandarbhat kelelya karmache mulyamapan”. (Submitted)
7. **Mr. Radheysham N. Mankar:** “Nagpur shaharatil sarkari-gair sarkari adhikoshatil karmacharyachya arthik va samajik sthithicha tulnatmak abhyas”. (Submitted)
8. **Ku. Priya Mishra:** “Nagpur shahar ke dakgharo dvara alpabachat yojanoa ke sandarbh me kiye gaye karmo ka mulyamapan”
9. **Ku. Shubhangi R. Murdi:** “A critical study of ACC Cement Company”. (period 2000-2005)
10. **Ku. Sunita N. Ravidas:** “Nagpur Jilhyatil gruhanirmanchya shetrat parmatma ek sevak nagrik sahakari adhikosh maryadit chya karyache mulyamapan”.

11. **Mr. Vivek B. Kawade:** “The comprehensive study of Consumer Behavior and perception and comparative study of Dabur Hair oil & Shampoo products in Chandrapur District”.
12. **Faroque A. Sheik:** “Market Research and market study for Godrej real Chichen in Chandrapur District”.
13. **Ku. Swati D. Bhojar:** “Nagpur Jilhyatil vrudhashramache kamkaj ani tyanchya prabandhache vishleshan adhyayan”. (kalkhada 2000-2009)

#### 4. Prof. Mrs. V. R. Kharabe

##### International Journals

- 1) Paper published in **International Journal of Physics D : Applied Physics**  
J. Physics. D. Applied Physics 41 (2008)205413, pp 7. Doi : 10.1088 / 022-3727141 / 205413  
**“Synthesis of Dy<sup>3+</sup> and Ce<sup>3+</sup> activated Sr<sub>6</sub>BP<sub>5</sub>O<sub>20</sub> and Ca<sub>6</sub>BP<sub>5</sub>O<sub>20</sub> Borohosphate Phosphors.” V. R. Kharabe, S. J. Dhoble, S. V. Moharil. Published – 1 October 2008.**

##### International Conference

- 2) Paper published in **International Conference** “Luminescence and its application”,  
**Dy<sup>3+</sup> activated Sr<sub>6</sub>BP<sub>5</sub>O<sub>20</sub> Novel Phosphor for White LED”. V. R. Kharabe, A. K. Talekar, “S. J. Dhoble, I. M. Nagpure, S. B. Godbole, M. K. Bhide, S. V. Mohril at Delhi 13<sup>th</sup> – 16<sup>th</sup> February 2008. ( ICLA – 2008), pp 245.**
- 3) Paper published in **International Conference** “Luminescence and its application”, **“Ce<sup>3+</sup> luminescence characteristics of Sr<sub>6</sub>BP<sub>5</sub>O<sub>20</sub> and Ca<sub>6</sub>BP<sub>5</sub>O<sub>20</sub> Borophosphate Phosphor.”** PV. Farkade, **V. R. Kharabe, S. J. Dhoble, S. V. Mohril at Delhi 13<sup>th</sup> – 16<sup>th</sup> Feb. 2008. ( ICLA – 2008), pp 219.**
- 4) Paper published in **International conference** on Luminescence entitled **“Blue emission of Ce<sup>3+</sup> ions in Sr<sub>6</sub>B<sub>5</sub>AlO<sub>15</sub> and Ca<sub>6</sub>B<sub>5</sub>AlO<sub>15</sub> boroaluminate phosphor”** organized at RGUKT, Hyderabad, Feb.7-10, 2012.( ISBN/ISSN no.- 81-6717-806-5

##### National Seminars / Conference

- 5) Paper published on **“Review of Novel Synthesis of Recently Developed Borate Based Phosphors”**, **V. R. Kharabe, S. J. Dhoble, S. V. Mohril. Proc. Of National Seminar** on Novel Synthesis of material , 22 Dec. 2002. KNM Nagpur. (NSNSM - 2002),pp 80.
- 6) Paper published on **“Synthesis and Photoluminescence of Ce<sup>3+</sup> activated MgO-B<sub>2</sub>O<sub>3</sub> system”**, **V. R. Kharabe, S. J. Dhoble, S. V. Mohril. Proc. Of National Seminar** on Advanced Materials, 1 Feb. 2004, KNM, Nagpur. (NSAM - 2004), pp 85.
- 7) Paper published on **“Combustion Synthesis of Ca(BO<sub>3</sub>)<sub>3</sub>F:Eu red Phosphor”**, Sawarkar, **V. R. Kharabe, S. J. Dhoble, S. V. Mohril. Proc. of National seminar** on Recent Trends in material science at Sakoli. Distt. Bhandara 10<sup>th</sup> Mar 2007.(NSRTMS – 2007), pp 58.
- 8) Paper published on **“Combustion Synthesis of SrB<sub>4</sub>O<sub>7</sub>:Eu Phosphor”**, M. Pustode, **V. R. Kharabe, S. J. Dhoble S. V. Mohril. . Proc. Of National Seminar** on Recent Trends in material science at Sakoli. Distt Bhandara. 10<sup>th</sup> March 2007. (NSRTMS – 2007),pp 53.
- 9) Paper published on **“Synthesis & PL Characterization of Ce<sup>3+</sup> activated Strontium Pentaborate phosphor”** **V. R. Kharabe, Naresh Sarkar, S. J. Dhoble, S. V. Mohril. Proc. Of National Conference** on “Synthesis and Characterization of New Material and Application” Organized by KNM, Nagpur on 15<sup>th</sup> March 2009. (NCSCNMA – 2009), pp 53.



- 10) Paper Published on “**Synthesis and PL characterization and CaBPO<sub>5</sub>:Eu Phosphor**”, **V. R. Kharabe**, Pranali Tembhurne, S. J. Dhoble, S. V. Mohril. Proc. Of **National Conference** on “Synthesis and– Characterization of New Material and Application” Organized by KNM, Nagpur (**NCSCNMA 2009**), 15<sup>th</sup> March 2009. pp 141.
- 11) Paper published on “**Synthesis and PL Characterization of Ce<sup>3+</sup> and Dy<sup>3+</sup> Activated Calcium Hexaborate Phosphor.**” **V. R. Kharabe**, Apurba Ghosh, S. J. Dhoble. Proc. Of UGC sponsored **National Conference** on “Recent Trends in Material Synthesis and characterization” at Bhalerao Science college, Saoner. on 4<sup>th</sup> and 5<sup>th</sup> Dec. 2009. (**NCRTMSC – 2009**), pp 9.
- 12) Abstract published on “**Synthesis and PL Characterization of Ce<sup>3+</sup> and Dy<sup>3+</sup> Activated M<sub>3</sub>BPO<sub>7</sub> ( M = Ba, Ca) Phosphor**” **V. R. Kharabe**, S. J. Dhoble. Proc. Of **National Conference** on “Luminescence and its Applications” at Gandhigram Rural Institute Kalasalingam University (**NCLA – 2010**), February 9 – 11 , 2010, pp 28.
- 13) Paper published on “**Dy Activated Ba<sub>6</sub>BP<sub>5</sub>O<sub>20</sub> Phosphor for White LED.**” **V. R. Kharabe**, S. J. Dhoble. Proc. Of **National Conference** on “Recent Advancement in Material Science” Jagat Arts, Commerce & Indiraben Haribhai Patel Science College, Goregoan (**NCRAMS – 2010**), 25 February 2010, pp 190.
- 14) Paper published on “**Synthesis and PL characterization of Dy<sup>3+</sup> activated Calcium Borate Phosphors.**” **V.R. Kharabe** and S.J. Dhoble, in Proceedings of UGC sponsored **National conference** on “Novel materials and their applications” organized by Nilkantharao Shinde Science and Arts College, Bhadrawati, (**NCNMA-2010**) ,18<sup>th</sup> Dec 2010,pp 148
- 15) Paper published on “**Photoluminescence of Ce<sup>3+</sup> activated (Ca<sub>6</sub>B<sub>5</sub>AlO<sub>15</sub>) Calcium Pentaborate Alluminate Phosphor.**” **V.R. Kharabe** in Proc. Of UGC sponsored **National Conference** “Green chemistry for environment and human health” organized by dept of chem. Kamla Nehru Mahavidyalaya, Nagpur (**NCGCEHH-2011**), 20<sup>th</sup> Jan 2011,pp 16
- 16) Paper Published on “**PL Characterization of Ce<sup>3+</sup> activated CaO-B<sub>2</sub>O<sub>3</sub> system.**” -**V.R. Kharabe**, S.J. Dhoble, in the Proceeding of **National Conference** on “Luminescence and its Applications” at Pandit Ravishankar University, Raipur, 7<sup>th</sup> to 9<sup>th</sup> Feb 2011, pp 166.
- 17) Paper published on “**Photoluminescence in Eu doped Calcium borate Phosphor**” **V.R. Kharabe**, S.J. Dhoble, in Proc. Of UGC sponsored **National conference** on Nano Science and Technology organized at Science college, congress nagar, Nagpur. 21<sup>st</sup> and 22<sup>nd</sup> Feb 2011, pp 247.
- 18) Paper Published “**Synthesis and PL Characterization of Ce<sup>3+</sup> activated Na<sub>3</sub>SrB<sub>5</sub>O<sub>10</sub> phosphor**” R.P. Tadarwar, **V.R. Kharabe**, S.J. Dhoble in the Proceeding of **National conference** on “Advanced Technology in Material Science And Their Applications”) at Arts, Commerce and Science College, Arvi (**NCATMSA-2011**), 6<sup>th</sup> March 2011,pp 208.
- 19) Paper published in National conference on Synthesis and Characterization of Advanced Materials (**NCSCAM-2011**) entitled “**Luminescence characterization of Dy<sup>3+</sup> ion in Ba<sub>3</sub>BPO<sub>7</sub> and Ca<sub>3</sub>BPO<sub>7</sub> phosphors**” organized at Janata Mahavidyalaya Chandrapur, Oct 08, 2011. .( ISBN/ISSN no.- 978-93-81660-32-4)
- 20) Paper published in national conference on Recent trends in material synthesis and characterization (**NCRTMSC-2011**) entitled “**Synthesis and characterization of Eu doped Mg<sub>5</sub>Al(BO<sub>3</sub>)<sub>3</sub>F phosphor**” at Bhalerao science college Saoner, 17<sup>th</sup> Dec 2011. . ( ISBN/ISSN no.-978-81-922229-1-2)
- 21) Paper published in national conference on “Technologies in engineering and science for energy application (**NCTESEA-2012**) entitled “**Synthesis and characterization of MgAlBO<sub>4</sub>:Eu phosphor**” Bionano Frontier, vol. 5(2012)41-44, ( ISBN/ISSN no.-0974-0678)

### RESEARCH PROJECTS CARRIED OUT

Sr.No	Sponsored By	Duration	Subject /Theme of Project
1	UGC	Synthesis & Characterization of Borate Based Phosphor	RS.36,000/-No.F.47-24/2003
2	UGC	Synthesis & Charaterization of rare earth Doped BaBPO <sub>5</sub> ,Ba <sub>3</sub> BPO <sub>7</sub> , M <sub>6</sub> BP <sub>5</sub> O <sub>20</sub> phosphor	Rs.47,000/- No .F.47-230/07

### **GUIDANCE TO M.SC II (PHY) STUDENTS FOR PROJECTS**

Sr.no	Name of the Students	Subjects	Year
1	Mangesh Pustode	Combustion synthesis and characterization of SrB <sub>4</sub> O <sub>7</sub> : Eu phosphor	2006-07
2	Ku . Anjali Talekar	Synthesis and characterization of Borophosphate phosphor for lamps and solid state lighting device.	2007-08
3	Ku. Priyanka Farkade	Synthesis and characterization of MBPO <sub>5</sub> (M=Ca,Ba,Sr) "A novel phosphor for white LED".	2007-08
4	Naresh Sarkar	Synthesis and characterization of Aluminate Borate phosphors .	2008-09
5	Pranali Tembhurne	Synthesis and characterization of Borophosphate based phosphors .	2008-09
6	Apurba Ghosh	Synthesis and PL characterization of Dy and Ce activated calcium borate phosphors.	2009-10
7	Ku.Meena dudhane	Synthesis and PL characterization of Eu activated calcium borate phosphors.	2009-10
8	Roshan Tadorwar	Synthesis and characterization of rare earth doped pentaborate phosphors.	2010-11
9	Abhilasha Jain	Study of Luminescence Properties of MAIBO <sub>4</sub> (M=Ca, Sr ) Phosphors	2011-12
10	Deviprasad Tripathi	Synthesis and PL Characterization of rare earth Activated (MgAlBO <sub>4</sub> ) phosphors for Lamps and Solid State Lighting Devices	2011-12

#### **5. Dr. Pradeep Kawduji Butey**

##### **International / National Journal:**

- i. 'Application of vague sets in keyword proximity search in relational database', **P. K. Butey**, Karan Singh & S. S. Thakur, Ultra Science, Vol 17(1) M, pp. 1-6(2005).
- ii. 'Uncertainty management through vague rough set model', Karan Singh, **P. K. Butey**, S. S. Thakur & M Lal, Ultra Science, Vol 17(1) M, pp 17-26 (2005).
- iii. 'Classification of fuzzy based information using improved back propagation algorithm of Artificial Neural Network', Mukul Jain, **P. K. Butey** and Manu Pratap Singh, International Journal of Computational Intelligence Research (IJCIR), ISSN 0973-1873, pp 265-273

- iv. 'Planning and selection of field operations through decision support system.', **P. K. Butey** & Karan Singh, Ultra Science, Vol. 19, No. 1, April 2007.
- v. 'Backpropagation Algorithm of Fed Forward Neural Network for the Classification of Fuzzified Information', **P. K. Butey** & Manu Pratap Singh Ultra Science Vol 19 No 3M 2007 Dec.
- vi. 'n dimensional spherically symmetric space times', T. M. Karade, K. T. Thommas & **P. K. Butey**, POST – RAAG Reports Research Notes and Memoranda of Applied Geometry, No. 340, November 1999, pp 27-36
- vii. 'Spherically symmetric quantities in higher dimensional space times', T. M. Karade, K. T. Thommas & **P. K. Butey**, POST – RAAG Reports Research Notes and Memoranda of Applied Geometry, No. 340, November 1999, pp. 27-36
- i. 'Query Optimization by genetic algorithm' P.K.Butey, Shweta Meshram and R.L.Sonolikar, Journal of Information technology and engineering, Vol.3 No.1 Jan June 2012 pp. 44-51 ISSN:2229-7421.
- ii. 'Analytical and comparative study on effect of Indian classical music on human body using EEG based signals' , Ram K.Nawasalkar and Pradeep K.Butey , Internatinal journal of modern engineering research (IJMER), Vol.2, Issue 5, Sep.-Oct 2012 pp-3289-3291 ISSN: 2249-6645.

#### **Reserach Guide for Ph.D. Students:**

<b>Sr No .</b>	<b>Name Of the Student</b>	<b>Topics of Research</b>	<b>Date of registration</b>	<b>Submitted /Awarded</b>
1	Shweta D.Meshram	Genetic Algorithm for large database followed by Query Optimization	15-02-2012	-----

#### **Books Published:**

1. Front End Development using Visual Basic 6.0 by Dr. Pradeep Butey, Dr. Girish Katkar and Dr. Pravin Ghosekar, Rajani Publication, 2010
2. Database Management System & Oracle, by Dr. Pradeep Butey and Vaishali Rane, Rajani Publication, 2010
1. Visual Basic Programming by Dr. Pradeep Butey, Dr. Girish Katkar and Dr. Pravin Ghosekar, Rajani Publication, 2011

#### **1. Dr. Mrs. S.M.Gadegone**

#### **List of research paper publications**

#### **Major / Minor Research Project: Completed /On Going**

<b>S.No .</b>	<b>Title</b>	<b>Agency</b>	<b>Period</b>	<b>Grant / Amount Mobilized (Rs lakh)</b>
1	Working Condition & Economic Problems of Workers in Engineering Workshop in Nagpur.	UGC	Two Years	Rs.70000

## 2. Prof A.I Kamble

### MRP On Going

Title	Agency	Period	Grant / Amount Mobilized (Rs lakh)
<b>The Study of Social &amp; Economic Condition of Matang Community In Nagpur</b>	UGC	2010-2012	Rs. 60000/-

## 3. Prof. Anil R. Bhaik

### Ongoing Project

Sponsored by	Duration	Subject/ theme of project	Amount sanctioned(Rs)
UGC	2004 – 2006	<b>Synthesis &amp; stereochemical characterisation of coordinate polymer &amp; their applications'</b>	Rs. 37,000/-

## 4. Dr. P. B. Dahikar

### List of research paper publications

#### National Journals:

1. Temperature Controlling And Monitoring System For Thermoluminescence **P. B. Dahikar**, S.J.Dhoble And S.V. Moharil Journal Of Instrumentation Soc. India, 37(1) 15<sup>th</sup> March 2007, 13-19 .
2. "Computerization Of Lyoluminescence Device" **P. B. Dahikar**,, S.J.Dhoble & S.V.Moharil Journal Of Instrumentation Soc. India
3. "m-Health :The effectiveness of systematic Helthcare Knowledge Freme work for Health Monitoring system Using Smart Phones" Onkar S Khemkar, P. B. Dahikar, Journal of Instrumentation Soc. India, 41(1) 15th march 2011, 37-40.
4. "Virtual Intelligence softlab for PN Junction Experiments" B Y Kathane, P. B. Dahikar, Journal of Instrumentation Soc. India, Accepted 15th sept 2011

#### International Conferences (06)

1. "Synthesis Of Sm<sup>3+</sup> And Tm<sup>3+</sup>Activated Optoelectronics Materials For Electroluminescence Thin Film" S. J. Dhoble, D. S. Raghuwanshi, **P. B. Dahikar**, R. P. Patel, And B. P. Chandra, Proc. Of 6th International Conf. 'Photonic2002' TIFR Mumbai. 16-18 Dec 2002.
2. "Deformation Induced Luminescence In (Dil)  $\Gamma$ -Irradiated Rare Earth Doped Caf<sub>2</sub> Crystals". R. S. Kher, **P. B. Dahikar**,, S. J. Dhoble, International Conference On Material For Advanced Technologies, Singapore.07 Dec. -12dec 2003
3. Automonitoring Of Appliances By Internet, Vivek Katare, **P. B. Dahikar**,, S. J. Dhoble. An International Conference Held At Pune 21<sup>st</sup> To 24<sup>th</sup> Jan 2010.
4. Pc Based Radiophotoluminescence Measurement System **P. B. Dahikar**,, S.J. Dhoble An International Conference Held At Pune 21<sup>st</sup> To 24<sup>th</sup> Jan 2010.

5. RF Remote Control Of Power Line Devices Using Embedded System P K Chakole, **P. B. Dahikar**, S. J Dhoble An International Conference Of Instrument Society Of India Held At Pune 21<sup>st</sup> To 24<sup>th</sup> Jan 2010.
6. Applicaton of Wireless Signal Simulation Via Cell Phones M.J Hedau M P Dhore P B Dahikar , 2011 International Conference on Circuits, System and Simulation proc. Of CSIT vol. 7(2011) © (2011) IACSIT (press Singapore) held at Bangkok, Thailand.

### **National Conferences (45)**

1. ““A Low Cost Pc Based Thermoluminescence Measurement Of Phosphors”” **P. B. Dahikar**, R.R.Patil, S.J.Dhoble & S.V.Moharil Proc Of ‘National Symposium On Luminescence And Its Application’ National Physical Laboratory New Delhi. 12-13 Feb 2003
2. “Synthesis Of Optoelectronic Materials For TFEL Display Devices” **P. B. Dahikar**, R. P. Patel, & B. P. Chandra, Proc. Of ‘National Seminar On Novel Synthesis Of Materials’, Kamla Nehru Mahavidyalaya, Nagpur. 22 Dec. 2002.
3. “Particle Size Dependent Synthesis Of Advance Material Of Zns:Mn<sup>2+</sup> Phosphor.” Ravi Sharma, S. J. Dhoble, **P. B. Dahikar**, & B.P.Chandra. Held At Kamla Nehru Mahavidyalaya Nagpur.Jan2003.
4. “Novel Synthesis Of SrAl<sub>12</sub>O<sub>19</sub>:Pb<sup>2+</sup> Phosphor For Uv Radiation Dosimeters.” G.V.Bramhe, S.J.Dhoble, **P. B. Dahikar**, And S.V. Moharil, National Workshop On Radiation Safety, Held At Nuclear Science Center, New Delhi
5. “Synthesis Of Srs:Gd Nanoparticles By Solid State Diffusion Technique” S.J.Dhoble, **P. B. Dahikar**, Proc. Of National Seminar Organized By Lit Nagpur Nsgcsm 2004 On 20th & 21st Nov 2004 (Pg 29-31)
6. Lyoluminescence In Mgso<sub>4</sub>:Dy<sup>3+</sup> Phosphor Upadhyay, Vikas Gulhare, **P. B. Dahikar**, S. J. Dhoble And R. S. Kher National Conference On Luminescence And Its Application Coimbatour 18th Jan 2007
7. Photoluminescence And Lyoluminescence In Kznso<sub>4</sub>cl: Ce<sup>3+</sup> New Phosphor, **P. B. Dahikar**, S. J. Dhoble, S. C. Gedam, S. V. Godbole, M. K. Bhide And S. V. Moharil, National Conference On Luminescence And Its Application Coimbatour 18th Jan 2007
8. “Preparation Of Caf<sub>2</sub>:Eu Phosphor For Rpl Dosimetry” V.B.Pawade, A. D. Deshmukh, **P. B. Dahikar**, And S.J.Dhoble In Proc Of National Conference Recent Trends In Material Science, Sakoli 10th March 2007.
9. “Review Of Synthesis Of Organic Phosphors” P.W.Yawalkar, **P. B. Dahikar**, S.J.Dhoble,P.G.105-109 Proc . Of National Conference On Recent Trends In Nanoscience (Ns 2006) 15th Jan.2006.
10. “Past, Present And Future Of Display Devices”P.G.115-117proc.Of National Conference On Recent Trends In Nanoscience Versha Rangari, **P. B. Dahikar**, S.J.Dhoble (Ns 2006) 15th Jan.2006.
11. Pc Based Radiophotoluminescence Reader **P. B. Dahikar**, S. J. Dhoble And S.V. Moharil Instrumentation Soc. India Communicated For Nsi-32.
12. “ Design Of Digital Dielectric Constant Meter” R.M.Das, **P. B. Dahikar**, & S. J. Dhoble, Proc Of 5th National Conf ‘Solid State Ionic’ Dept. Of Physics, Nagpur University, Nagpur, 15-17 Feb. 2002.
13. “Pc Based Analyzer Design For Dielectric Material.” A. R. Fulamberkar, **P. B. Dahikar**, And S. J. Dhoble National Seminar On Recent Advances In Mathematical Physics, Shri Dyanesh Mv. Nawergaon .
14. “High Freq. Pulse Width Detector” Versha Rangari, **P. B. Dahikar**, S.J.Dhoble, B.C.Thakker National Symposium On Instrumentation (Nsi-30),30,Nov To 2,Dec 2005 Abstract No.( 135) Held At Cochin University, Cochin(Kerala)
15. “Automatic Liquid Flow Controller” Versha Rangari, **P. B. Dahikar**, S.J.Dhoble, B.C.Thakker National Symposium On National Symposium On Instrumentation (Nsi-30),30,Nov To 2,Dec 2005 Abstract No.( 136) Held At Cochin University, Cochin(Kerala)

16. Ultrasonic Distance Measuring System” Versha Rangari, **P. B. Dahikar**, S. J. Dhoble, National Symposium On Instrumentation (Nsi-30),30nov To 2,Dec 2005. Abstract No.(137) Held At Cochin University, Cochin(Kerala)
17. “Dielectric Constant Measurement Apparatus & Technique For Liquid Media At Low Frequency” K.D.Gaikwad, Versha Rangari, **P. B. Dahikar**, S. J. Dhoble, National Symposium On Instrumentation (Nsi-30), 30nov To 2dec2005. Abstract No. (138) Held At Cochin University, Cochin (Kerala)
18. “Recent Advances In Thin Film Transistors (Tft’s)” P. W. Yawalkar, B. M. Bahirwar, **P. B. Dahikar**, S. J. Dhoble, P.G. 91-97 Proc. Of National Conference On Recent Trends In Nanoscience (Ns 2006) 15th Jan.2006.
19. “Digital Analgacio Meter” Proc Of National Symposium On Instrumentation Versha Rangari, **P. B. Dahikar**, S. J. Dhoble. Abstract No 18 (Nsi-31),12th Oct To 15th Oct 2006 Held Gwalior M.P.
20. “Wireless Dc Motor Speed Control Using Microcontroller ” Proc Of National Symposium On Instrumentation K. D. Gaikwad, **P. B. Dahikar**, S. J. Dhoble Abstract No 18 (Nsi-31), 12th Oct To 15th Oct 2006 Held At Gwalior M.P.
21. Pc Based Radiophotoluminescence Reader **P. B. Dahikar**, S. J. Dhoble In National Conference On Materials Science: Trends And Future Jan 06-07, 2010 Held At Department Of Physics Vidyabharati Mahavidyalaya, Amravati.
22. Thermoluminescence Measurement System Using Embedded System **P. B. Dahikar**, S. J. Dhoble Held In National Conference On Material Science On 28<sup>th</sup> March 2010 Shivaji Science College Akola.
23. 23.Water Distribution And Purification By Scada & Internet” Kunal Gaikwad, **P. B. Dahikar**, Ugc Sponsored National Conference On Material Science On 28<sup>th</sup> March 2010 Shivaji Science College Akola
24. “Power Saving Of Street Light By Embedded Technology” Kunal Gaikwad, **P. B. Dahikar**, Ugc Sponsored National Conference On Material Science On 28<sup>th</sup> March 2010 Shivaji Science College Akola
25. Use Communication To Control Power Line Devices Using Embedded System & Smart Home Challenges Ugc Sponsored National Seminar, P.K. Chakole **P. B. Dahikar**, Recent ‘Trends In Digital Communication On 13<sup>th</sup> March 2010 Organized By Department Of Electronics N.H.College Brahmapur. Dist Chandrapur.
26. Processor For Embedded Applications Pp18 Ncrteta 2011 Knmv Nagpur M J Hedau , **P. B. Dahikar**,
27. Virtual Intelligent Softlab For Karnaugh Map Experiments33 Pp Ncrteta 2011 Knmv Nagpur, B. Y. Kathane, **P. B. Dahikar**
28. A Review Of Semantic Network Based System Architecture For Remote Medical Applications: Application And Its Methodologies 39 Pp Ncrteta 2011 Knmv Nagpur, Onkar Khemkar, **P. B. Dahikar**,
29. Design And Fabrication Of Data Downloader Using Microcontroller 66 Pp Ncrteta 2011 Knmv Nagpur, Mrs. P. S. Kuhikar, Ms. V. A. Khanzode, **P. B. Dahikar**,
30. Wireless Electrical Equipment Control System 77 Pp Ncrteta 2011 Knmv Nagpur, Mr. P. M. Sontakke\*, **P. B. Dahikar**, Ms. P. M. Gaddamwar
31. Advance Agriculture Irrigation Technique Using Dtmf Decoder 83 Pp Ncrteta 2011 Knmv Nagpur,Ms. Juhi D. Umredkar\*, Ms. Snehal G. Talewar, Ms. Ujwala M. Mute, **P. B. Dahikar**
32. A Novel Weighing Scale System For Purity And Cost Standardization 89 Pp Ncrteta 2011 Knmv Nagpur, K.D. Gaikwad, **P. B. Dahikar**, Dr.A.L.Chaudhri
33. Gsm Based Security System 97 Pp Ncrteta 2011 Knmv Nagpur,Mr. Gaurav P. Achkarpohre, Mr. Swapnil A. Nalamwar, **P. B. Dahikar**, Mrs. P. S. Kuhikar, Ms. P. M. Gaddamwar
34. Ultrasonic Obstacle Detector System 100 Pp Ncrteta 2011 Knmv Nagpur, Ms. Ujwala M Mute, Ms. Juhi D Umredkar, Ms. Snehal G Talewar, **P. B. Dahikar**,
35. Ardware Accelerators In Embedded Systems For Power Management 05 Pp Ncrteta 2011 Knmv Nagpur, Mr. Pravin Y. Karmore, Mrs. Swapnili P. Karmore, **P. B. Dahikar**

36. Microcontroller Based Motor Movement Controller Using Wireless technique 111 Pp Ncerteta 2011 Knmv Nagpur, Ms. Poonam M. Gaddamwar, Ms. Sonu K. Dahake, **P. B. Dahikar**
37. Bluetooth Controlled Vehicle Using Embedded System 115 Pp Ncerteta 2011 Knmv Nagpur, Ms. Sonu K. Dahake, Ms. Poonam M. Gaddamwar, **P. B. Dahikar**
38. Home Automation Using Dtmf 117 Pp Ncerteta 2011 Knmv Nagpur, Ms. Snehal G Talewar, Ms. Ujwala M Mute, Ms. Juhi D Umredkar, **P. B. Dahikar,**
39. Embedded System Based Controlling Appliances With Telephone 133 Pp Ncerteta 2011 Knmv Nagpur, Ms. B.J. Nagpure, **P. B. Dahikar,** Ms. P. M. Gaddamwar, Mrs. P. S. Kuhikar
40. Wireless Biomedical Monitoring System 141 Pp Ncerteta 2011 Knmv Nagpur, Mr. Sumit Parate, **P. B. Dahikar,** Mrs. Pratiksha S. Kuhikar.
41. Remote Monitoring Wireless Multi-Channel Data-Logger Using Embedded System 146 Pp Ncerteta 2011 Knmv Nagpur, Mr. Ashwin Ankar, **P. B. Dahikar**
42. Power Saving Of Street Light By Embedded Technology 164 Pp Ncerteta 2011 Knmv Nagpur, Ms. Kavita Gokhe, **P. B. Dahikar**
43. “m-Health :The effectiveness of systematic Healthcare Knowledge Framework for Health Monitoring system Using Smart Phones” Onkar S Khemkar, P. B. Dahikar, proc of Instrumentation Soc. India, NSI-35, held at Visvesvarya Technological University, Belgaum 7th to 9th jan 2011.
44. “Virtual softlab :A growth And Sustainability issue in Research in Educational Organisation” B Y Kathane, P. B. Dahikar, proc of National conf held at Tirpude college ,Nagpur. jan 2011.
45. “Virtual Intelligence softlab for PN Junction Experiments” B Y Kathane, P. B. Dahikar, proc of Instrumentation proc of Instrumentation Soc. India, NSI-35, held at Visvesvarya Technological University, Belgaum 7th to 9th jan 2011

#### **Ph. D. Students Registered**

1. Shri Mahesh J Hedau : “study of different parameters and application of processors” No. PhD cell / Research /Sci/843 B/ 578 dated 14/01/2009
2. Shri Ashish K. Rewatkar: “Development of luminescence in instrumentation using embedded techniques”. No. PhD cell / Research /Sci/844 B/ 579 dated 14/01/2009
3. Shri Vivek N. Katore: “Auto monitoring of appliances by internet”. No. PhD cell / Research /Sci/845 B /580 dated 15/01/2009
4. Shri Prashant G chakole: “ Remote control of power line devices using embedded system”. No. PhD cell / Research /Sci/847 B/ 582 dated 29/01/2009
5. Shri Shridher R Sharma: “ An embedded system for temperature controller in industries and laboratories”. No. PhD cell / Research /Sci/848 B/ 583 dated 16/01/2009
6. Shri Kunal D Gaikwad: “Development of measuring devices using embedded technology”. No. PhD cell / Research /Sci/846 B/ 581 dated 16/01/2009.
7. Mr Ashwin Y Ankar: “Remote Monitoring Wireless Multichannel Data Logger Using Embedded System”. No. PhD cell / RRC /Sci/371 B/ 854 dated 15/07/2009
8. Mr Onkar S Khemkar: “A Semantic Web Based Healthcare Knowledge Framework to Computerized and Operationalize Health Knowledge Artifacts In respect to Today’s E-Health Delivery Models. No. PhD cell / RRC /Sci/577 / B/ 605 dated 21/01/2011.
9. Mr Bhaskar Y Kathane: Virtual Instrumentation No. PhD cell / RRC /Computer Sci./975 B/ 1650 dated 18/11/2010.
10. Mr. Nilesh Meshram: “E.M.R.: An approach to the Health Informatics Using A.T.M.-R Facility” No. PhD cell / RRC /Electronics /115 / B / 1026 dated 12/01/2010

**Minor Research Project: Completed / On Going**

Sponsored by	Duration	Subject/ theme of project	Amount sanctioned(Rs)
UGC	2005	<b>Development of optoelectronic detectors &amp; related low cost equipment for RPL Dosimetry and</b>	

**Project List of M. Sc. Students.**

Sr. No.	Title of Project	Name of Student	Year
1	Solar panel based solar tracking cum inverter system	Ms. Switi Bhongekar	2011-12
2	Temperature Measuring Sensor	Ms. Meenal Bisen	2011-12
3	Remote ECG monitoring system	Mr. Priyang Baitule	2011-12
4	RF based wireless switching system	Ms. Sonali Patil	2011-12
5	RFID based Attendance System	Mr. Anil Kumar Pan	2011-12
6	Mobile Jammer	Mr. Swapnil Meshram	2011-12
7	Solar panel based solar tracking cum inverter system	Ms. Switi Bhongekar	2011-12
8	Wireless Biomedical Monitoring System	Mr. Sumit R. Parate	2010-11
9	GSM Based Security System	Mr. Swapnil Nalamwar	2010-11
10	GSM Based Security System	Mr. Gaurav Achkarpohare	2010-11
11	Agriculture Automatic Plant Irrigation System Using DTMF	Ms. Juhi D. Umredkar	2010-11
12	Home Automatic Using DTMF	Ms. Snehal G. Talewar	2010-11
13	Ultrasonic Obstacle Detector System	Ms. Ujwala M. Mute	2010-11
14	Microcontroller based motor speed controller using wireless technique	Ms. Poonam M. Gaddamwar	2007-08
15	Voice Recognition System	Ms. Kirti Mankanwar Mr. Atul Sonkusure	2007-08
16	Data Downloader using Microcontroller	Ku. Vandana A. Khanzode	2007-08
17	High tension DC Power Supply	Mr. Vivek N. Katare	2005-06
18	Data acquisition system	Mr. Roshan Ghumade Mr. Vikas Dumbe	2005-06
19	Interfacing of Monochromatic with PC	Mr. Ashish R. Maske Ms. Siblin N Tupe	2005-06
20	Automatic gain Control using Microcontroller	Miss. Manjusha Gadge	2005-06
21	Design and fabrication of a sequential switching network	Mr. Kalyan Kolli	2003-04
22	Appliances control using DTMF	Ku. Pratiksha Pakhale	2003-04
23	High frequency pulse width detector	Mr. Kamlesh Chandekar	2003-04

**5. Dr. S.J. Dhoble****List of research paper publications**



### ***Research papers published in National \ International Journals***

1. Synthesis of  $\text{CaB}_4\text{O}_7:\text{Dy}$  phosphor, S.J. Dhoble, D.I. Shahare, and S.V. Moharil, *Ind. J. Pure & Applied Phys.* 42 (2004) 299-301.
2. Thermally stimulated conductivity of CaS phosphor activated by Ce, Manoj Tiwari, Vijay Singh, R.N. Dubey, S.J. Dhoble, M.S. Qureshi and O.N. Awasthi, *Ind. J. Phys.* (2004).
3. On the emission and the excitation spectra of SrS:Cu, CaS:Sm and CaS:Dy, Ce Phosphors, Vijay Sintgh, Manoj tiwari, S.J. Dhoble, *Ind. J. Phys.* 78 (11) 1265-12567 (2004).
4. ESR and thermoluminescence studies of bismuth doped calcium sulphite phosphor, Manoj Tiwari, Vijay Singh, T.K. Gundu Rao and S.J. Dhoble, *Ind. J. Pure and Appl. Phys.* 42 (2004) 323-325.
5. Radiation-induced defects in  $\text{Pr}^{3+}$  activated  $\text{LiYF}_4$  Laser host, **S.J. Dhoble**, S.P. Deshpande, R.B. Pode, N.S. Dhoble, and T.K. Gundurao. *Radi. Eff. and Def. in Solids.* 159 (2004) 667-679.
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**Major / Minor Research Project: Completed /On Going**

Sr. No.	sponsorship	File No.	Duration	Subject/ theme of project	Amount utilized
1	UGC		2004 -2006	Synthesis and Characterization of Nanomaterials	<b>Rs. 43,000 /-</b>
2	BRNS	letter No. 2005/37/19/BRNS/1745, dated 20 Oct 2005	10 Nov 2005 to 09 Nov 2008).	Synthesis and Characterization of Nano Materials	<b>Rs. 20,49,625.00</b>

**Dr . Sanjay Dhoble was providing guidance to the following research scholars :-**

Name of Scholar and Particulars	Subject
Mr. I. M. Nagpure <b>Date of Registration:</b> 10 July 2006 <b>University:</b> RTM Nagpur University	Synthesis and characterization of inorganic red phosphors
Mr. P.Nimishe <b>Date of Registration:</b> 22 July 2005 <b>University:</b> RTM Nagpur University	Luminescence characterization of rare earth activated mixed tungstate phosphors
Mr. P.W. Yawalkar <b>Date of Registration:</b> 6 Oct 2006 <b>University:</b> RTM Nagpur University	Development of organic materials for flat panel display devices
Mr. Abhay D. Deshmukh <b>Date of Registration:</b> 12 July 2007 <b>University:</b> RTM Nagpur University	Development of microcrystallines and nanostructured aluminates luminescence materials
Mr. S. P. Puppalwar <b>Date of Registration:</b> 13 July 2007 <b>University:</b> RTM Nagpur University	Development of tissue equivalent phosphors for the thermoluminescence dosimetry of ionizing radiations

**Ph. D. Awarded**

1. Mr J. Mahakhode (Electronics): *Synthesis and characterization of phosphors for optoelectronic display devices* Nagpur University, Nagpur. **Degree awarded in February, 2008.**
2. Mr. S.C. Gedam: *Synthesis and characterization of sulphate based phosphors* Nagpur University, Nagpur. **Degree awarded in June, 2008.**

3. Mr. P.B. Dahikar (Electronics): *Development of phosphor and PC based instrumentation for radiation dosimetry* Nagpur University, Nagpur, **Degree awarded in August, 2008.**
4. Mr. S.A. Siddiqui: *Preparation and mechanoluminescence characterization of tungstate phosphors.* Guru Ghasidas University, Bilaspur. **Degree awarded in Feb, 2009.**

**Registered for Ph.D.**

1. Mr. I.M.Nagpure: *Synthesis and characterization of inorganic red phosphors* RTM Nagpur University, Nagpur, **Vide No. Ph.D.(Cell)/4075B/717, Dated 10 July 2006.**
2. Mr. Vikas Gulhare: *Synthesis and characterization of vanadates based phosphors* Guru Ghasidas University, Bilaspur. **Vide No. 781, Ph.D./Phys/ 04/67, Dated 16 Jun 2004.**
3. Mr. A. Upadhyay: *Synthesis and luminescence characterization of sulphate based phosphors* Guru Ghasidas University, Bilaspur. **Vide No. 780, Ph.D./Phys/04/68, Dated 16 Jun 2004**
4. Mrs. V.V. Rangari: *Development of inorganic phosphors for flat panel display devices* Nagpur University, Nagpur (in Electronics) **Vide No. Ph.D. Cell /Research/Science/686, Dated 5 Aug 2005**
5. Mr. P.Nimishe: *Luminescence characterization of rare earth activated mixed tungstate phosphors* Nagpur University, Nagpur **Vide No. Ph.D.(Cell)/Research / Science/445, Dated 22 Jul 2005**
6. Mr. P.W. Yawalkar: *Development of organic materials for flat panel display devices* Nagpur University, Nagpur, **Vide No. Ph.D.(Cell)/Research / Science/B/597, Dated 6 Oct 2006.**
7. Mr. Abhay D. Deshmukh: *Development of microcrystallines and nanostructured aluminates luminescence materials* RTM Nagpur University, Nagpur, **Vide No. Ph.D.(Cell)/Research/Sci./4076B/718, Dated 12 July 2007.**

**Book Publications : 01 Book**

**PHOTOLUMINESCENCE CHARACTERIZATION OF LUMINESCENCE MATERIALS : HALOSULPHATE PHOSPHORS, S.J. Dhoble and S.C. Gedam,**

**Name of Book- Photoluminescence Research Progress, Nova Science Publishers, New York, Editors: Harry K. Wright and Grace V. Edwards (ISBN: 978-1-60456-538-6). Chapter 2, PP. 35-81, 2008.**

**Referee : International Journals**

1. Journal of Luminescence, ELSEVIER Publication, USA
2. Material Research Bulletin, ELSEVIER Publication, USA
3. Physica B :Condensed Matter, ELSEVIER Publication, USA
4. Electrochemical and Solid State Letters , Electrochemical Society , USA
5. Journal of Alloys and Compounds, ELSEVIER Publication, USA
6. Indian Journal of Pure and Applied Physics, Naitioal Institute of Science Publication, INDIA.

**6. Dr. W. B. Gurnule**

**List of research paper publications**

**National Journals:**

1. Tarase M. V.; Zade A. B. and Gurnule W. B., Resin I: Synthesis, characterization and ion-exchange properties of terpolymer resins derived from 2,4-Dihydroxypropiophenone, Biuret and Formaldehyde Journal of Applied polymer science, **108(2)**, 738-746 (2008).

2. Rahangdale S. S.; Zade A. B. and Gurnule W. B., Terpolymer resin II: Synthesis, characterization and ion-exchange properties of 2,4-dihydroxyacetophenone-Dithiooxamide-Formaldehyde Terpolymers, *Journal of Applied polymer science*, **108(2)**, 747-756 (2008).
3. Gupta R. H.; Zade A. B. and Gurnule W. B., Resin IV: Synthesis and characterization of terpolymers derived from 2-hydroxyacetophenone, melamine and formaldehyde, *Journal of Applied polymer science*, **109(5)**, 3315-3320 (2008).
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5. Butoliya S. S.; Zade A. B. and Gurnule W. B., Terpolymer resin VIII: chelation ion exchanger properties of 2,4-dihydroxybenzophenone-oxamide-formaldehyde terpolymer resins, *Journal of Applied polymer science* (**Accepted**).
6. Tarase M. V.; Zade A. B. and Gurnule W. B., Thermal degradation studies of terpolymer resins derived from 2,4-dihydroxypropiophenone, biuret and formaldehyde, *J. Ultra Chemistry*, **3(1)**, 41-48 (2007).
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11. Singru R. N.; Zade A. B. and Gurnule W. B., Electrical properties of p-cresol-melamine-formaldehyde terpolymer. *International Journal of Chemical Science*, 2009, (*in press*)
12. Rahangdale S. S.; Zade A. B. and Gurnule W. B., Electrical conductance studies of terpolymers derived from 2,4-dihydroxyacetophenone, dithiooxamide and formaldehyde, *International Journal of Chemical Science*, 2009, (*in press*)
13. Singru R. N.; Zade A. B. and Gurnule W. B., Resin XII: Synthesis and characterization of new terpolymer resins derived from 8-hydroxyquinoline-5-sulphonic acid-melamine-formaldehyde, *Journal of Applied polymer science* (*in press*)
14. Tarase M. V.; Zade A. B. and Gurnule W. B., Kinetics of thermal degradation studies of some new terpolymer derived from 2,4-dihydroxypropiophenone, oxamide and formaldehyde, *Journal of Applied polymer science* (*in press*)
15. Butoliya S. S.; Zade A. B. and Gurnule W. B., Terpolymer resin VIII: chelation ion exchanger properties of 2,4-dihydroxybenzophenone-oxamide-formaldehyde terpolymer resins, *Journal of Applied polymer science* **113 (1)** 1-9 (2009)
16. Katkamwar S. S.; Zade A. B. and Gurnule W. B., Resin III: Synthesis and characterization of 8-hydroxyquinoline-dithiooxamide-formaldehyde terpolymer resins, *Journal of Applied polymer science* **113 (5)** 3330-3335 (2009)
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**International / National Conferences and Seminars:**



1. S. S. Rahangdale, **W. B. Gurnule** and A. B. Zade, Synthesis and Characterization of 2,4-Dihydroxyacetophenone-Dithiooxamide-Formaldehyde Ter copolymer. 4<sup>th</sup> National Symposium and Conference on Solid State Chemistry and Allied Areas. At Department of Chemistry Goa University, Goa on December 1<sup>st</sup> 2005. page no. 85.
2. S. S. Katkamwar, **W. B. Gurnule** and A. B. Zade, Synthesis and Thermogravimetric Analysis of Ter copolymer Resins Derived From 8-Hydroxyquinoline, Dithiooxamide and Formaldehyde. 4<sup>th</sup> National Symposium and Conference on Solid State Chemistry and Allied Areas. At Department of Chemistry Goa University, Goa on December 1<sup>st</sup> 2005. page no. 85.
3. R. H. Gupta, **W. B. Gurnule** and A. B. Zade, Synthetic, Structural and Thermal Degradation of a Terpolymers Derived From o-Hydroxyacetophenone, Melamine and Formaldehyde. 4<sup>th</sup> National Symposium and Conference on Solid State Chemistry and Allied Areas. At Department of Chemistry Goa University, Goa on December 1<sup>st</sup> 2005. page no. 68.
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6. **W. B. Gurnule**, L. J. Paliwal and R. B. Kharat, Synthesis, Stereochemical and Thermal Properties of Polychelates Derived From 2—Benzyl-4,6-Dimercaptoacetamido-1,3,5-Triazine (BDMAT), 6<sup>th</sup> International Conference on Solvothermal reactions (ICSTR-6), Organised by Department of Chemistry, University of Mysore, Mysore-570006, 2004.
7. **W. B. Gurnule**, S. V. Bawankar, R. B. Kharat and L. J. Paliwal, Chelation Ion-Exchange Properties of Salicylaldehyde-Biuret-Trioxane (SOBT) Terpolymer Resins Organised by Department of Chemistry Annamalai University, Annamalai (Chidambaram) from 25<sup>th</sup> and 26<sup>th</sup> Feb 2005
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12. W. B. Gurnule, Synthesis and Thermal Degradation Studies Of Ter copolymers Derived from 8-Hydroxyquinoline 5-Sulphonic Acid, Biuret and Formaldehyde, International Conference on Recent Advancement in Chemistry Organised by Auxilium College, Department of Chemistry Vellore, Tamilnadu (ALPS) at 5<sup>th</sup> and 6<sup>th</sup> January 2006, page no. 111.
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17. W. B. Gurnule, S. V. Bawankar, R. B. Kharat and L. J. Paliwal, Electrical Conductance Studies of Terpolymers Resins Derived from Salicylaldehyde Biuret and Trioxane (SABT), National Conference on Recent Trends in Nanoscience Organised by Kaml Nehru Mahavidyalaya, Nagpur on Jan 15, 2006. page no 178.
18. W. N. Parwate, W. B. Gurnule, L. J. Paliwal and R. B. Kharat Ion-Exchange Properties of Terpolymer Resins Derived from Salicylic Acid and Trioxane (SOT-II), National Conference on Recent Trends in Nanoscience Organised by Kaml Nehru Mahavidyalaya, Nagpur on Jan 15, 2006. page no 215.
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21. S. S. Rahangdale, **W. B. Gurnule** and A. B. Zade, Synthesis and Characterization of Terpolymer Resins Derived from 2,4-Dihydroxyacetophenone, Biuret and Formaldehyde, National Seminar on Recent Trends in Material Science, Organised by M. B. Patel College of Arts, Science and Commerce, **Sakoli**, Bhandara March 10, 2007. page 39.
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23. S. S. Rahangdale, **W. B. Gurnule** and A. B. Zade, Synthesis and Characterization of New Terpolymers Derived from 2,2'-Dihydroxybiphenyl, Biuret and Formaldehyde, Proceeding of 43<sup>rd</sup> Annual Convention of Chemists, Organised by Indian Chemical Society, Kolkata, at Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, **Aurangabad**. December 23-27, 2006. Page-C 11.
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31. W. B. Gurnule and S.S. Katkamwar, Thermal degradation studies of p-aminophenol-dithiooxamide-formaldehyde terpolymer, Second Conference on recent advances in polymer technology, Organized by department of chemical technology and school of chemical science, North, Maharashtra University, **Jalgaon** and society for polymer science, India (Pune –chapter), PP-5, page 78, December 28-29 (2009).
32. S. P. Dhote and W. B. Gurnule, Batch extraction separation of some metal ions by salicylaldehyde-melamine, formaldehyde terpolymer resins, Second Conference on recent advances in polymer technology, Organized by department of chemical technology and school of chemical science, North, Maharashtra University, **Jalgaon** and society for polymer science, India (Pune –chapter), PP-6, page 79, December 28-29 (2009).
33. W. B. Gurnule and R.H. Gupta, Selective removal of toxic metal from waste water using 2,4-dihydroxy benzoic acid-dithiooxamide-formaldehyde copolymer, Second Conference on recent advances in polymer technology, Organized by department of chemical technology and school of chemical science, North, Maharashtra University, **Jalgaon** and society for polymer science, India (Pune –chapter), OP-32, page 64, December 28-29 (2009).
34. W. B. Gurnule and M. B. Thakre, Chelation ion-exchange properties of 8-hydroxyquinoline adipamide-formaldehyde terpolymer resins, Second Conference on recent advances in polymer technology, Organized by department of chemical technology and school of chemical science, North, Maharashtra University, **Jalgaon** and society for polymer science, India (Pune –chapter), OP-24, page 56, December 28-29 (2009).

35. R. N. Singru, W. B. Gurnule and A. B. Zade, Semiconducting nature of p-cresol-melamine-formaldehyde polymer resin ,National Conference on advanced material and technology , Organized by Shivaji science college, **Nagpur**, OM-28 page 44, December -29-30 (2009).
36. W. B. Gurnule and R.H. Gupta, Ion-exchange properties of 2-hydroxyacetophenon-melamine-formaldehyde terpolymer resin ,National Conference on nanomaterials and nano technology , Organized by department of chemistry and department of chemical engineering, Visvesvaraya National institute of technology, **Nagpur**, page 42, January 18-20 (2010).
37. W. B. Gurnule and R. N. Singru, Study of semiconducting nature of p-cresol-oxamide-formaldehyde terpolymer resin , National Conference on nanomaterials and nano technology , Organized by department of chemistry and department of chemical engineering, Visvesvaraya National institute of technology, **Nagpur**, page 42, January 18-20 (2010).
38. W. B. Gurnule and S.S. Katkamwar, An ecofriendly synthesis characterization, morphology, thermal, electrical and chelation ion exchange Studies of terpolymer resin , National Conference on nanomaterials and nano technology , Organized by department of chemistry and department of chemical engineering, Visvesvaraya National institute of technology, **Nagpur**, page 44, January 18-20 (2010).
39. S.S. Rahangdale and W. B. Gurnule, Synthesis of copolymer resin (CPCF) and its applications as ion-exchanger, National Conference on chemistry for health (NCCH),, Organized by department of chemistry institute of science, **Nagpur**, PP -92, page 109, January 28-29 (2010).
40. S.S. Rahangdale, W. B. Gurnule and P.K. Rahangdale , Analytical applications of copolymer resin derived from o-cresol. National Conference on recent advancement in material science, (NCRAMS 2010) , Organized by the society for promotion of material science, Nagpur and department of chemistry, Jagat Art, Commerce and Science college, **Goregaon**, PP -1, page 10-15, February 25 (2010).
41. R. N. Singru, A.B. Zade and W. B. Gurnule, Light emitting polymer of p-cresol-oxamide-formaldehyde. National Conference on recent advancement in material science, (NCRAMS 2010) , Organized by the society for promotion of material science, Nagpur and department of chemistry, Jagat Art, Commerce and Science college, **Goregaon**, PP -6, page 46, February 25 (2010).
42. W. B. Gurnule and D.B. Patle, Copolymer resin: synthesis and characterization of 4-hydroxybenzophenone=biuret- formaldehyde. National Conference on recent advancement in material science, (NCRAMS 2010) , Organized by the society for promotion of material science, Nagpur and department of chemistry, Jagat Art, Commerce and Science college, **Goregaon**, PP -10, page 67-74, February 25 (2010).
43. M. B. Thakre ,W. B. Gurnule and A.B. Zade, Structural studies of 8-hydroxyquinoline-adipamide-formaldehyde copolymer resin. National Conference on recent advancement in material science, (NCRAMS 2010) , Organized by the society for promotion of material science, Nagpur and department of chemistry, Jagat Art, Commerce and Science college, **Goregaon**, PP -25, page 161-166, February 25 (2010).
44. W. B. Gurnule , S.S. Katkamwar and A. B. Zade, Synthesis of new p-aminophenone-dithiooxamide-formaldehyde terpolymer resins and their applications as semiconductor. National Conference on recent advancement in material science, (NCRAMS 2010) , Organized by the society for promotion of material science, Nagpur and department of chemistry, Jagat Art, Commerce and Science college, **Goregaon**, PP -31, page 195-201, February 25 (2010).
45. D.B. Patle and W. B. Gurnule, Synthesis and characterization of new aromatic copolymer resin derived from o-aminophenol and their ion exchange properties., 12<sup>th</sup> CRSI National symposium in chemistry , Organized by Indian institute of chemical technology and NIPER, **Hydrabad** , PP -115, page 149, February 5-7 (2010).

**Dr. W.B. Gurnule has been providing research guidance to the following research scholars:-**

- 1) Mr. Sidharth T. Nandeshwar
2. **S. S. Rahangdale** Synthetic and structural studies of some new polymers derived from 2, 4-dihydroxyacetophenone/biphenol and some biuret/dithiooxamide

- with formaldehyde in different molar proportions. **(Submitted)**.
3. R. H. Gupta            Synthesis and characterization of new terpolymer resins and their application as ion exchangers.
  4. Mrs.S S. Katkamwar   Physico-chemical and ion–exchange studies of copolymers derived from nitro-substituted phenols/cresols/8-hydroxy quinoline/phenols and dithioamide with formaldehyde.
  5. R. N. Singru            Physico-chemical and electrical conductance studies of terpolymers derived from 8-hydroxyquinoline-5-sulphonic acid/ cresol and oxamide/melamine with formaldehyde.**(Submitted)**
  6. Ku. A. L. Parasher    Structural studies of some newly synthesized tercopolymer resins and their application as ion exchangers.
  7. M. V. Tarase            Synthesis, characterisation and ion-exchange properties of terpolymer resins derived from 2, 4-dihydroxybenzaldehyde/ 2, 4-dihydroxypropiophenone/substituted phenol, oxamide/ biuret and formaldehyde **(Submitted)**.
  8. S. S. Butoliya           Physico-chemical studies on some newly synthesized tercopolymer resins derived from 2,4-dihydroxybenzoic acid/ 2,4-dihydroxybenzophenone and oxamide/melamine with formaldehyde.
  9. Ku. D. B. Patle           Synthesis, characterization and analytical applications of some new copolymer resins
  10. M. B. Thakre           Synthetic and structural studies of newly synthesized terpolymer resins and their ion exchange properties.
  11. Ku. S. P. Dhote        Synthesis, characterization and ion exchange properties of some new copolymer resins.

#### Number of M. Phil. Students

- |                                |                            |
|--------------------------------|----------------------------|
| 1) Mr. Rajesh H. Gupta         | 11) Miss. Swati A. Pakhale |
| 2) Vitthal N. Gowardipe        | 12) Miss. Monika G. Joshi  |
| 3) Mr. Nishant J. Wahane       | 13) Mr. Sandip M. Borkar   |
| 4) Mr. Bhimrao B. Khobragade   | 14) Miss. Harsha Shekhawat |
| 5) Mr. Vivek D. Mane           | 15) Mr. Kamlakar Nandekar  |
| 6) Miss. Sapna S. Sontakke     | 16) Amol G. Rangari        |
| 7) Mr. Mukhtiyar Ali Bandale   | 17) Sachin D. Tolmare      |
| 8) Miss. Vibhavari Gajbe       | 18) Pravin A. Dhakite      |
| 9) Miss. Taksha I. Shambharkar | 19) Vilas Chafekar         |
| 10) Miss. Ruchira D. Munje     |                            |

**Major / Minor Research Project:** Completed / On Going

Sponsored by	Duration	Subject/ theme of project	Amount sanctioned (Rs)
UGC	2005 – 2007	<b>Synthesis and Characterisation of Terpolymer and their application.</b>	
UGC	<b>2009-</b>	Synthesis Of New organic Polymer & Their Exchange & Electrical Properties	

## **7. MRS.SHUBHANGI DESHPANDE**

### **National Seminars / Conference:**

1. Restructure of LIS Curriculum : A View, Hundred Years of LIS Education in India Future Perspectives Department of LIS RTM Nagpur Uni. , Nagpur, 10 Jan.2012 National Conference , pp203 to 208, ISBN, 978-81-921914-6-1

### **MRP Ongoing**

S.No.	Title	Agency	Period	Grant / Amount Mobilized (Rs lakh)
1	A Study of Selected CSIR Laboratories' Libraries, their Growth and Development (Ongoing)	University Grants Commission	Two years	Sanctioned 65,000/-

## **8. Mrs K.A. Bhajni**

### **International Journal:**

1. Fashion and readymade garment industries , Research Analysis and Evaluation, pp 116-117, ISSN 0975-3486

### **National Seminars / Conference:**

1. Allocation of Defense Budget 2011, Defense expenditure development & governance with special reference to Budgeting pattern central government'

### **RESEARCH PROJECTS On going**

Title	Agency	Period	Grant / Amount Mobilized (Rs lakh)
Nature & problems of readymade Garments industries of Mahal area in Nagpur City.	UGC	Oct.2010- Oct.2012	20,000/-

#### **9. Dr Sandhya Jain**

##### **International Journal:**

1. Christopher Marlowe's 'Tamburlaine, the Great' An Exploration of the Karuna Rasa, Unheard Melody, 2229-1236, Vol. VII

##### **International / National Conferences and Seminars:**

1. presented a paper on Amrita Pritam: Some Aspects As a Feminist Writer with reference to 'Village No. 36' on 11<sup>th</sup> Feb 2011, in a National Seminar organized by NMD College Gondia

#### **MRP On Going**

S.No	Title	Agency	Period	Grant / Amount Mobilized (Rs lakh)
1.	Christopher Marlowe's 'Tamburlaine, the Great': A Study in the Rasa Theory (Indian Aesthetics)	UGC	Two Years	Rs. 40,000/-

#### **10. DR. VAIJAYANTI D. PESHWE**

##### **MRP Ongoing**

S.No.	Title	Agency	Period	Grant / Amount Mobilized (Rs lakh)
1.	Melghat yethil Adivasi Lokagitatan Aavishkrut honarya Loksankriticha Abhyas	UGC (Minor)	2010-2012	75,000/-

**16. Dr. S. A. Bhagat**

**International Journal:**

1. "Photoluminescence characteristics enhancement of Alq<sub>3</sub> by Mg<sup>2+</sup> ion", **S.A. Bhagat**, journal Research and Analysis and evaluation, ISSN0975-3486, Jaipur (Rajsthan), vol.II, issue 20 (may 2011) 54-55.
2. "Photoluminescence characterization of AlKq<sub>4</sub> phosphor" **S.A. Bhagat** in international journal Research and Analysis and evaluation, ISSN0975-3486, 12-13, **vol.II** issue 22(Jul. 2011)

3. “Microstructures on glycinemaliec monoamide(GMMA) organic crystals”**S.A. Bhagat** in journal Bionano Frontiers, vol.5, jan 2012, 153-156, ISSN0974-0678

**International Conference:**

1. Growth of Organic Crystals by Solution Technique, **S.A. Bhagat** at **International Conference** on advanced materials, ICAM-2008, at Kottayam, Kerla, 686560, 18<sup>th</sup> to 21<sup>st</sup> feb. 2008.
2. Intense green emission in ZnQ<sub>2</sub> Polymer phosphors for OLED applications, I.M. Nagpure, S.K. Ramteke, K.N. Shinde, **S.A. Bhagat** and S. J. Dhoble At APA **International Conference** on Advances in Polymer Science and Technology, Indian Institute of Technology, New Delhi , Jan 28<sup>nd</sup> -31<sup>st</sup> 2008.

**National Seminars / Conference:**

3. Li<sup>+</sup> co doped Alq<sub>3</sub> polymer for PLLCD and OLED applications, N.B.Thakre, S.D. Gajbhiye, I.M. Nagpure, **S.A. Bhagat** S.K. Patle and S. J. Dhoble at National conference on synthesis and charecterisation of new materials and its applications, at Kamla Nehru Mahavidhyalaya, Nagpur , 15<sup>th</sup> march-2009.
4. Na<sup>+</sup> co doped Alq<sub>3</sub> polymer for PLLCD and OLED applications, **S.A. Bhagat**, at national symposium “Emerging technique in material science, ETMS 2009, S.M.Mohota college of science, Nagpur , 22<sup>nd</sup> aug.2009.
5. Effect of temperature on photoluminescence in halophosphate”based phosphors, **S.A. Bhagat** at“National Conference on Recent Trends in material synthesis and characterization” (NCRTMSC-2009), at Bhalerao Science college, Saoner, Nagpur, 4-5 dec, 2009.
6. Synthesis and photoluminescence charecterization of AlMgq<sub>5</sub> polymer, **S. A. Bhagat** , S. P. Puppulwar ,S. Gayen and R. Bansod at National Conference on Recent advancement in material Science, (NCRAM-2010), at Jagat Art, commerce and D.H. Patel Science college, Goregaon , Gondia, 25<sup>th</sup> feb 2010.
7. “Activation energy of etchant on glycine malice monoamide organic crystals” **S.A. Bhagat** (NCGCEHH-2011), at Kamla Nehru Mahavidhyalaya, Nagpur, 20<sup>th</sup> Jan2011.
8. “Studies of dislocation on GMMA crystals” **S.A. Bhagat** (NCGCEHH-2011), at Kamla Nehru Mahavidhyalaya, Nagpur, 20<sup>th</sup> Jan 2011.
9. “Enhancement in luminescence of Alq<sub>3</sub> by Ca and Sr ions for OLED applications” Anshuman Gorai and **S.A. Bhagat** (NCATMCA-2011) at Art, Commerce and Science College, Arvi, Distt. Wardha, 6<sup>th</sup> March 2011.
10. “ Activation energy of etchant on glycine malice monoamide organic crystals” **S.A. Bhagat** at “National Conference on Recent Trends in material synthesis and characterization 2011” (NCRTMSC-2011), at Bhalerao Science college, Saoner, Nagpur,17<sup>th</sup> Dec 2011
11. “ Microstructures on glycine maliec mono amide (GMMA) organic crystals” **S. A. Bhagat** at “National Conference on Technologies in Engineering and Science for Energy Applications” At Dr. Ambedkar College, Diksha Bhoomi,Nagpur on 2-3 Jan. 2012.

***RESEARCH PROJECTS CARRIED OUT:***

Dr. S.A. Bhagat	UGC	2008 -2010	Synthesis and Characterization of Hydroxyquinolins based organic Phosphors	<b>Rs.70,000 /-</b> <b>No. F. 47-240/07</b>
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## GUIDANCE TO M.SC II (PHY) STUDENTS FOR PROJECTS

Sr.no	Name of the Students	Title of the Project	Year
1	Bhushan R. Wankhede	“Fabrication and study of electrolytic coloration devices”	2006-07
2	Shraddha K. Ramteke	“Synthesis and Characterization of Hydroquinoline based organic Phosphors”	2007-08
3	Vaishali M. Rokde	“To study the effect of temperature on Photoluminescence in halosulphate based phosphors”	
4	N.B.Thakre, Feb	“Li <sup>+</sup> co doped Alq <sub>3</sub> polymer for PLLCD and OLED applications”	2008-09
5	S.D. Gajbhiye	“Na <sup>+</sup> co doped Alq <sub>3</sub> polymer for PLLCD and OLED applications”	
6	MR. Shaikh,	“K <sup>+</sup> co doped Alq <sub>3</sub> polymer for PLLCD and OLED applications”	
7	Satyaswaroop Gayen	“Synthesis and photoluminescence characterization of AlMgq <sub>5</sub> polymer”	2009-10
8	Rahul Bansod	“Synthesis and photoluminescence characterization of AlCaq <sub>5</sub> polymer”	
9	Anshuman Gorai	“Enhancement in luminescence of Alq <sub>3</sub> by Ca <sup>+</sup> and Sr <sup>+</sup> ions for OLED applications”	2010-11
10	Mr. Nitesh Koche	Enhancement in Luminescence of AlQ <sub>3</sub> By Ba <sup>2+</sup> ion for OLED Application	2011-12
11	Miss. Reeta Nyaykare	Crystal Growth, Optical and Electrical Properties of Crystal	

### 17 . Dr Sandhya Moghe

#### Research papers of published in International Journals with Impact Factor:

1. Nandeshwar, S.B.; **Sandhya Moghe**, Chakrabarty, P.K.; Maruti Deshuttiwar, Kranthi Keshav, Anandkumar, P; Mayee, C.D., and Khadi, B.M. 2009. *Agrobacterium* mediated transfer of cry I Ac gene into shoot tip meristem of diploid cotton *G.arboreum* cv RG 8 and regeneration of transgenic plants. *Plant Mol Biol Reporter*. DOI, 10.1007/s11105-009-0102-7.(Impact factor 0.741)
2. Bio degradation and decolorization of dye by mix consortia of bacteria and study of its toxicity on triticum aestivum, in Asiatic Journal of Biotech Resources.

#### Research papers in Conferences/ Seminars

1. Presented a paper in National Conference Green Chemistry for Environment and human health. 20 th Jan. 2011, at KNM Nagpur on ‘In –vitro regeneration of Baccopa-Monnieri and won Ist prize in poster presentation.
2. She also attended a National Workshop ‘BIOTECH BRAIN STORMS 2010-11 at Hyderabad and presented a paper on’Response of shoot tip explants to regeneration in relation to explants age & total phenols’.

### **18. Mrs S.S.Mukherjee**

#### **List of research paper publications**

##### **International / national Journal:**

1. Research paper, “Cross Cultural differences and Cross border relationships in Jhumpa Lahiri’s “Unaccustomed Earth”. (On the Alien Shore)
2. Research paper on Githa Hariharan “Marginality and Quest for Identity of Women in ‘TheThousand Faces of Night’: A Textual and Inter textual Analysis.” (Three Authors)
3. Research Paper, “Modernity and Tradition in Manju Kapur’s *Difficult Daughters: A Critical Analysis.*” Cyberliterature International Journal. Vol.27 No.1 June 2011
4. Mythological and Factual Realities of Githa Hariharan’s ‘The Thousand Faces of Night’: A Feminist Critique, National Journal ‘CENACLE’

##### **National Seminars / Conference:**

1. Communication Apprehension: Causes, Effects and Remedies”, National Seminar on ‘Developing Communicative Competence in English for rural students’, on 3<sup>rd</sup> Jan.2012.
2. “Technical Communication: The Language of Tomorrow”, International Seminar on ‘Teaching of ESL: A Global Perspective’ on 24<sup>th</sup> and 25<sup>th</sup> of Feb.2012

#### ***RESEARCH PROJECTS On Going***

S.No.	Title	Agency	Period	Grant / Amount Mobilized (Rs lakh)
1.	“Modernity in Women in Selected Novels of Manju Kapur and Anita Nair.	UGC	Oct.2010 to Oct.2012	Rs. 28000/-

### **11. MRS. SUCHETA V. PARKER**

#### **National Seminars / Conference / Workshop :**

1. Adhyan Akshamata , State level workshop 24-08-2011 S.B city college, pp.145-151, ISBN-978-81-89904-84-5
2. Sakaratmak mansikta wa mansik swasthya National seminar ,30-8-2011,C.P & berar college nag., pp. 25-26, ISBN-978-81-922229-0-5
3. Gramin mahila vikasatil ariste, State level conference, 30-8-2011, yashvanyrao Chavan Mahavidyala Lakhandur, pp.48-53, ISSN – 2249-3344
4. Vikasat badha ? saurakshan kharchat vadh ki chukichi Dhorne , National seminar on Defense expenditure development & Governance, 30-8-2011,pp 86-96Mahila Mahavidyala

## 12. Prof. S . P. PUPPALWAR

### List of research paper publications

#### **International / National Journals:**

1. Effect of Mg and P ions on photoluminescence characteristics of  $\text{Li}_2\text{SO}_4$ : Cu phosphor, A. N. Yerpude, **S. P. Puppalwar**, S. J, Dhoble, Animesh Kumar, Indian J Pure and Appl Phys 47(2009) 447.
2.  $\text{Ce}^{3+}$ ,  $\text{Dy}^{3+}$  activated  $\text{Li}_2\text{BPO}_5$  phosphors for lyoluminescence dosimetry, **S. P. Puppalwar**, S. J, Dhoble, Animesh Kumar, Indian J Pure and Appl Phys 49 (2011) 239.
3. Improvement of photoluminescence of  $\text{Cu}^+$  ion in  $\text{Li}_2\text{SO}_4$ , **S. P. Puppalwar**, S. J. Dhoble and Animesh Kumar, Luminescence: Journal of Biological and Chemical Luminescence 26 (2011) 456–461.
4. Photoluminescence in rare earth doped complex hexafluoride phosphors, **S. P. Puppalwar**, S. J. Dhoble and Animesh Kumar, Luminescence: Journal of Biological and Chemical Luminescence 27 (2012) 39-44.
5. Lyoluminescence and mechanoluminescence of  $\text{Cu}^+$  activated  $\text{LiKSO}_4$  phosphors for radiation dosimetry, N. S. Dhoble, **S. P. Puppalwar**, S. J, Dhoble, A. K. Upadhyay and R. S. Kher, Radiation Measurements 46(2011)1890-1893.
- 6 Blue emission in  $\text{Ce}^{3+}$  and  $\text{Eu}^{2+}$  activated lithium fluoro borate phosphors, **S. P. Puppalwar**, S. J. Dhoble and Animesh Kumar, Journal of Modern Physics 2(2011)1560-1566.
- 7  $\text{Cu}^+$  emission in  $\text{Li}_2\text{BPO}_5$  material for thermoluminescence dosimetry, **S. P. Puppalwar**, S. J. Dhoble and Animesh Kumar, Radiation Effects and Defects in Solids Vol. 167, Issue 5(2012)333-341.
- 8 Luminescence characteristics of  $\text{Li}_2\text{NaBF}_6$ : Cu phosphor, **S. P. Puppalwar**, S. J. Dhoble and Animesh Kumar, Nuclear Inst. and Methods in Physics Research B, 274 (2012) 167-171.
- 9 Synthesis and luminescence characterization of  $\text{Li}_2\text{BPO}_5$ :Eu and  $\text{Li}_2\text{MgB}_2\text{O}_5$ :Eu phosphors, **S. P. Puppalwar**, S. J. Dhoble and Animesh Kumar, J. Search and Research 3(2011)70-74.
- 10 Luminescence in rare earth doped  $\text{LiCa}_4(\text{PO}_4)_3$  phosphor, **S. P. Puppalwar**, B. R. Thawari, M. S. Mendhe and S. J. Dhoble, J. Bionano Frontier 5(2012)41-44.
- 11 Luminescence characteristics of Eu and Ti doped  $\text{LiNaF}_2$  phosphor, **S. P. Puppalwar**, S. J. Dhoble, S. P. Lochab and A. Kumar, Nuclear Inst. and Methods in Physics Research B, 285 (2012) 6 - 10.
- 12 One step synthesis of  $\text{Cu}^+$  activated  $\text{Li}_2\text{BPO}_5$  low Z phosphor for thermoluminescence dosimetry, S. J. Dhoble, **S. P. Puppalwar**, N. S. Dhoble and A.K.Mohanty, Indian J Pure and Appl Phys, 50 (2012) 520-523.
- 13 Determination of kinetic parameters of TL of Eu doped  $\text{LiNaF}_2$ , **S. P. Puppalwar** and S. J. Dhoble, Indian J Pure and Appl Phys, xxx(2012)xxx. (In Press)

#### **International / National Conferences:**

1. Photoluminescence in  $\text{LiXSO}_4$ : $\text{Cu}^+$  (X=K, Na) phosphors, **S. P. Puppalwar**, R. L. Kohle, S. J, Dhoble, Animesh Kumar, Proceedings of **International** conference on Luminescence and its Applications, NPL New Delhi Feb 13-16, 2008 pp 257-260.

2. Photoluminescence characterization of Eu activated  $\text{LiNaF}_2$ ,  $\text{LiBF}_4$  and  $\text{Li}_3\text{BF}_6$  phosphors, **S. P. Puppalwar**, S. J. Dhoble and Animesh Kumar, **Indo-Russian** workshop on Nanotechnology and Laser Induced Plasma, Delhi University, New Delhi, Nov 24–26, 2009. (Poster presentation)
3. Lyoluminescence and mechanoluminescence of  $\text{Cu}^+$  activated  $\text{LiKSO}_4$  phosphors for radiation dosimetry, N. S. Dhoble, **S. P. Puppalwar**, S. J. Dhoble, A. K. Upadhyay, R. S. Kher, Proceedings of **International** conference on SSD-16, Sydney (Australia), Sept. 19-24, 2010 p 48.
4. Photoluminescence characteristics of  $\text{Li}_2\text{SO}_4$ : Cu and  $\text{LiNaSO}_4$ : Cu phosphors by wet-chemical method, **S. P. Puppalwar**, S. J. Dhoble, Animesh Kumar, Proceedings of 53<sup>rd</sup> DAE Solid State Physics Symposium, BARC Mumbai Dec 16-20, 2008, vol. 53 (2008) pp 1265-1266.
5. Synthesis and Photoluminescence characterization of  $\text{Ce}^{3+}$  and  $\text{Dy}^{3+}$  doped  $\text{Li}_2\text{BPO}_5$  phosphor, **S. P. Puppalwar**, Javed wani, S. J. Dhoble, Animesh Kumar, Proceedings of National conference on Luminescence and its Applications, Indian Association for the Cultivation of Science, Kolkata, Feb18 - 20, 2009 pp164-167.
6. Photoluminescence characterization of  $\text{Eu}^{3+}$  and  $\text{Ti}^{4+}$  activated  $\text{LiNaF}_2$  phosphor, **S. P. Puppalwar**, S. Pantawne, S. J. Dhoble, Animesh Kumar, Proceedings of National conference on Synthesis and Characterization of New Materials and its Applications, Kamla Nehru College Nagpur, March 15, 2009 pp 121-126.
7. Synthesis and Photoluminescence characterization of  $\text{Ce}^{3+}$  and  $\text{Dy}^{3+}$  doped some Calcium Aluminate phosphors, **S. P. Puppalwar**, A. G. Meshram, S. J. Dhoble, Animesh Kumar, Proceedings of National conference on Synthesis and Characterization of New Materials and its Applications, Kamla Nehru College Nagpur, March 15, 2009 pp 68-73.
8.  $\text{Ce}^{3+}$ ,  $\text{Dy}^{3+}$  activated  $\text{Li}_2\text{BPO}_5$  phosphor for lyoluminescence dosimetry, **S. P. Puppalwar**, S. J. Dhoble and Animesh Kumar, National conference on Accelerator and Low Level Radiation Safety, Inter-university accelerator centre New Delhi, Nov 18–20, 2009.(Poster presentation)
9. Synthesis and photoluminescence characterization of Eu activated  $\text{LiMgBF}_6$  and  $\text{Li}_3\text{BF}_6$  phosphors, **S. P. Puppalwar**, B. V. Tupte, P. Gajbhiye, S. J. Dhoble and Animesh Kumar, Proceedings of National conference on Recent Trends in Material Synthesis and Characterization, Bhalerao Science College ,Saoner, Dec 4-5, 2009 pp 70 – 73.
10. Luminescence in  $\text{Li}_3\text{BF}_6$ :Ce prepared by combustion synthesis, **S. P. Puppalwar**, P. H. Gajbhiye, S. J. Dhoble and Animesh Kumar, Proceedings of National conference on Recent Advancement in Material Science, Jagat Arts, Commerce and Indiraben Hariharbhai Patel Science College, Goregaon, Feb 25, 2010. pp 56 – 61.
11. Synthesis and photoluminescence characterization of  $\text{AlMgq}_5$  polymer, S. A. Bhagat, **S. P. Puppalwar**, S. Gayen, and R. Bansod, Proceedings of National conference on Recent Advancement in Material Science, Jagat Arts, Commerce and Indiraben Hariharbhai Patel Science College, Goregaon, Feb 25, 2010.
12. Combustion synthesis of  $\text{Ce}^{3+}$  activated  $\text{LiBF}_4$  phosphor, **S. P. Puppalwar**, S. J. Dhoble and Animesh Kumar, Proceedings of National Seminar on Synthesis of Advanced Materials and their Applications, N. H. College Bramhapuri, March 13, 2010. pp 38 – 42. (Paper presentation)
13. Synthesis of  $\text{Eu}^{3+}$  activated  $\text{Li}_2\text{BPO}_5$  and  $\text{Li}_2\text{MgB}_2\text{O}_5$  phosphors, **S. P. Puppalwar**, S. J. Dhoble and Animesh Kumar, Proceedings of National conference on novel Materials and their Applications, Nilkanthrao Shinde Science and Arts College, Bhadravati, Dec 18, 2010. pp 98 – 101.
14. Thermoluminescence in  $\text{Ti}^{4+}$  doped  $\text{LiNaF}_2$  phosphor by  $\gamma$ -irradiated of  $\text{Cs}^{137}$  source, **S. P. Puppalwar**, S. J. Dhoble, S.P. Lochab and Animesh Kumar, Proceedings of National conference on Nano Science and Technology, Science college congressnagar, Nagpur, Feb 21-22, 2011 pp 234-237.
15. Effect of P ions on photoluminescence characteristics of  $\text{Li}_2\text{NaBF}_6$ : Cu phosphor, Mangesh Yerpude, **S. P. Puppalwar**, S. J. Dhoble and Animesh Kumar, Proceedings of National Conference on Advanced

Technologies in Materials Science and their Applications, Arts, Commerce and Science college, Arvi, March 6, 2011 pp 136-139.

16. Synthesis of Dy<sup>3+</sup> activated Li<sub>2</sub>MgB<sub>2</sub>O<sub>5</sub> phosphor, **S. P. Puppalwar** and S. J. Dhoble, Proceedings of National Conference on Synthesis and Characterization of Advanced Materials, Janata Mahavidyalaya Chandrapur, October 08, 2011 pp194-197.
17. Combustion synthesis of LiMgBF<sub>6</sub> :Ce<sup>3+</sup> halophosphor, Deepa Shukla, **S. P. Puppalwar** and S. J. Dhoble, Proceedings of National Conference on Synthesis and Characterization of Advanced Materials, Janata Mahavidyalaya Chandrapur, October 08, 2011 pp 46-49.
18. Determination of kinetic parameters of TL of Eu doped LiNaF<sub>2</sub>, **S. P. Puppalwar** and S. J. Dhoble, National conference on Accelerator and Radiation Safety (CARS-2011), BARC Mumbai, Nov 16-18, 2011. (Paper presentation)
19. Wet chemical synthesis of Ce<sup>3+</sup> activated LiCa<sub>4</sub>(PO<sub>4</sub>)<sub>3</sub> phosphor, **S P Puppalwar**, M. S. Mendhe, B. R. Thawari and S. J. Dhoble, Proceedings of National conference on Recent trends in material synthesis and characterization, Bhalerao Science College Saoner, Dec 17, 2011. Pp 68-70.
20. Thermoluminescence in LiNaF<sub>2</sub>: Cu, P using <sup>137</sup>Cs source of γ – irradiation, **S. P. Puppalwar**, S. P. Lochab and S. J. Dhoble, **International** conference on Luminescence and its Applications (ICLA-2012), IICT Hyderabad, Feb 7-10, 2012 (Poster presentation).
21. Synthesis of high sensitive Li based phosphors for thermoluminescence dosimetry, S. J. Dhoble, **S. P. Puppalwar** and N. S. Dhoble, **International** conference on Luminescence and its Applications (ICLA-2012), IICT Hyderabad, Feb 7-10, 2012.
22. Synthesis and luminescence properties of Eu<sup>3+</sup> activated Li<sub>2</sub>Sr<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> phosphor, **S. P. Puppalwar**, B. B. Yelekar and S. J. Dhoble, Proceedings of National conference on Lasers and advanced materials' (NCLM-2012), Department of physics, SGBAU, Amravati, May 29-30, 2012.

**Minor Research Project: Completed MRP**

Sponsored by	Duration	Subject/ theme of project	Amount sanctioned (Rs)
UGC	2008 – 2010	Synthesis and Characterization of Lithium based Phosphors	67,000 No. F. 47-229/07

**Guided the following M.Sc.II (Physics) Students for Projects:**

Sr.no	Name of the Students	Title of the Project	Year
1	Mr. S.R. Sonbarase	“Synthesis and PL characterization of MgSO <sub>4</sub> :Cu phosphor”	2006-07
2	Mr. A. N. Yerpude	“Synthesis and PL characterization of LiNaSO <sub>4</sub> phosphor”	2007-08
3	Mr. R.L. Kohle	“Synthesis and PL characterization of LiKSO <sub>4</sub> phosphor”	
4	Miss. Sneha Pantawne	“Synthesis and characterization of LiNaF <sub>2</sub> phosphor”	2008-09
5	Mr. Javed Wani	“Synthesis and characterization of rare earth doped Li <sub>2</sub> BPO <sub>5</sub> phosphor”	
6	Miss. Asmita Meshram	“Synthesis and characterization of rare earth doped some calcium aluminates phosphor”	

7	Mr. B.V. Tupte	“Synthesis and PL characterization of mixed hexafluoride phosphor”	2009-10
8	Miss. Priya Gajbhiye	“Synthesis and PL characterization of LiBF <sub>4</sub> and Li <sub>3</sub> BF <sub>6</sub> phosphor”	
9	Mr. Mangesh Yerpude	“Synthesis and characterization of rare earth co-doped lithium fluoride phosphor”	2010-11
10	Mr. Mukesh Mendhe	Synthesis and photoluminescence characterization of rare earth doped LiM <sub>4</sub> (PO <sub>4</sub> ) <sub>3</sub> (M= Sr/Ba) Phosphors	2011-12
11	Mr. B. B. Yelekar	Synthesis and PL characterization of rare earth doped Li <sub>2</sub> M <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> phosphor	
12	Ms. Bharati Thawari	Synthesis and photoluminescence characterization of rare earth doped LiM <sub>4</sub> (PO <sub>4</sub> ) <sub>3</sub> (M=Mg/Ca) Phosphors	

## 21 Ms. M. S. Wagh

### International / National Journal:

1. Comparative Acoustic Studies of Some Thiosemicarbazide and Thioxadizine at Different Compos, Scholars Research Library, ISSN No.0976-8505
2. A Study of Substituted Dihydroformazan in Predicting the Acoustical and its Allied Properties in Different Solvents at 288.15K, Pelagia Research Library, 0975-508X

### MRP Ongoing/ Completed

S.No.	Title	Agency	Period	Grant / Amount Mobilized (Rs lakh)
1	“Study of Acoustical Parameters of Some Thiosemicarbazides and Thioxadiazines in Different Conditions”	UGC	2012-14	1,65000/-

## 22. Dr. D. S. Badwaik

### List of research paper publications

#### International Journal:

1. Study of Some Structural and Magnetic Properties of Sr<sub>2</sub>Me<sub>2</sub>Fe<sub>11</sub>(SnCo)<sub>0.5</sub>O<sub>22</sub> Nanoferrites, V.D. Badwaik, D. S. Badwaik, V.N. Nanoti, K.G. Rewatkar, International Journal of Knowledge Engineering Vol 3, Issue 1 (2012) 58-60

#### National Journals:

1. Phase Transition of Liquid Crystal Using Thermo-acoustical Parameters, V.A. Tabhane, D.S. Badwaik, Vandana Badwaik, O.N. Awasthi, Condensed Matter Physics Narosa Publication: ISBN 81-7319-323-1 (1999) 174-177.
2. Synthesis, Structural and Magnetic Properties of SnCo Substituted Strontium Nanoferrite, V.D. Badwaik, D.S. Badwaik, K.G. Rewatkar, V.N. Nanoti J. Bionano Frontier. Vol.7(2011) 34-37
3. Synthesis and Properties of Polyaniline- Tin oxide Nano Composites, D.S. Badwaik, J. Bionano Frontier

Vol.7(2011) 43-

4. Thermal Studies of Electrically Conductive PANI 32% V<sub>2</sub>O<sub>5</sub> Polymer Composite, U.B.Mahatme, V.A.Tabhane,D.S.Badwaik,S.P.Dongare , J. Bionano Frontier Vol. 5 (2012) 33 – 37
5. Structural and Electrical Studies of Cobalt Substituted Strontium, T.Nagose, **D.S.Badwaik** V.D.Badwaik, , K.G.Rewatkar J. Bionano Frontier, Vol. 5 (2012)404 – 407
6. Structural, Electrical and Magnetic properties of Sr<sub>2</sub>Cu<sub>2</sub>Fe<sub>11</sub>(SnCo)<sub>0.5</sub> O<sub>22</sub> Nanoferrites, V.D.Badwaik, **D.S.Badwaik**, K.G.Rewatkar,V.N.Nanoti, J. Bionano Frontier Vol5 (2012)493 – 496

## International / National Conferences and Seminars:

1. Synthesis and characterization of Electrical Conducting polyaniline-zinc oxide composite, K.N. Shinde, I. M. Nagpure , **D. S. Badwaik** , S.J. Dhoble and R. B.Pode, APA International Conference on ADVANCES IN POLYMER SCIENCE & TECHNOLOGY, IIT Delhi, India- Jan 28-31<sup>th</sup> 2008 ( CONP- PO-14)
2. Thermo-acoustical Parameters of Liquid Crystal MBBA, **D.S.Badwaik**, V.A.Tabhane, P.D. Wankar, A.S. Nakhate, “UGC Sponsored National Seminar on Recent Trends in Mathematical Physics, Dnyanesh Mahavidyalaya, Navergaon (Mah), Jan 04, 2004.
3. Thermodynamical Investigation of Some Novel Material Pridoxine in Aqueous Medium, P.D.Wankar, V.A.Tabhane, **D.S.Badwaik**, UGC Sponsored National Seminar on Advanced Materials, Kamla Nehru Mahavidyalaya, Nagpur, Feb 01, 2004
4. Synthesis and the Magnetic Studies of Iridium – Cobalt Substituted Calcium Hexaferrite by Chemical Co-Precipitation, UGC Sponsored National Seminar on Growth and Characterization of Solid Materials, LIT, Nagpur University, Nagpur, Nov 20-21, 2004.
5. Thermodynamical Studies on Biologically Active Compound Niacin in Aqueous Medium at 298 K, Prakash Wankar, V.A.Tabhane, **Dilip Badwaik**, A.S. Nakhate, UGC Sponsored National Conference on Recent Trends in NanoScience, Kamla Nehru Mahavidyalaya, Nagpur, Jan 15, 2006.
6. Measurement of Electrical Conductivity of Poly-aniline Zinc Oxide Composite, UGC Sponsored National Seminar on Recent Trends in Material Science M. B. Patel College, Sakoli (MS), March 10, 2007.
7. Synthesis and characterization of Electrical Conducting polyaniline-zinc oxide composite, K.N. Shinde, I. M. Nagpure , **D. S. Badwaik** , **S.J. Dhoble** and R. B.Pode, APA International Conference on ADVANCES IN POLYMER SCIENCE & TECHNOLOGY, IIT Delhi, India- Jan 28-31<sup>th</sup> 2008 ( CONP- PO-14)
8. Synthesis and Studies on Conducting Poly-aniline- Stannic Oxide Composite, **D.S.Badwaik** V.D.Badwaik, UGC Sponsored National Conference on Synthesis and Characterization of New Materials and It’s Applications, Kamla Nehru Mahavidyalaya, Nagpur, March 15, 2009.
9. Studies on Chemically Synthesized Composite of Conducting Poly-aniline With Zinc Oxide, UGC Sponsored National Symposium on Emerging Techniques in Material Science, Shri M. M. Science College, Nagpur, Aug 22, 2009
10. Studies on Electrical Conductivity of Poly-aniline(Pani) Titanium Oxide Composites, **D.S.Badwaik**, V.D. BadwaikUGC Sponsored National Conference on Recent Trends in Material Synthesis and Characterization, Bhalerao Science College, Saoner,Dist. Nagpur (MS), Dec. 4-5, 2009.
11. Studies on Chemically Synthesized Conducting Polyaniline- Cadmium Sulphide Composites, UGC Sponsored National Conference on Recent Trends in Material Synthesis and Characterization, Bhalerao Science College, Saoner,Dist. Nagpur (MS), Dec. 4-5, 2009.
12. Electrical and Optical Studies of Polyaniline- Cupric oxide Composites, **Dilip Badwaik**, Minakshi Rangire, Shrikant Suryawanshi, Vandana Badwaik, Dilip Chafle, UGC Sponsored National Conference on Recent Advancement in Material Science, Jagat Arts, Commerce and Indiraben Hariharbhai Patel Science College, Goregaon, Dist-Gondia (Mah),Feb 25,2010.
13. “Charge Conduction Mechanism in Poly-aniline Cupric oxide” in Proc. Of UGC sponsored National Conference “Green chemistry for environment and human health” organized by dept of chem. Kamla Nehru Mahavidyalaya, Nagpur (NCGCEHH-2011), 20<sup>th</sup> Jan 2011.
14. “Characterization of Chemically Synthesized Polyaniline- Zinc Oxide Nanocomposites.” **D.S.Badwaik**, C. Kapgate, A.P.Mahajan, K.M.Wasnik Proceeding of National conference on “Advanced Technology in Material Science And Their Applications”) at Arts, Commerce and Science College, Arvi (NCATMSA-2011), 6<sup>th</sup> March 2011.



15. "Reinforcement of nano meter sized SnO<sub>2</sub> particles in conducting Polyaniline Matrix", **Dilip Badwaik**, Rita Bele Vandana Badwaik, Halim Ahmad, Proceeding of National conference on "Advanced Technology in Material Science And Their Applications") at Arts, Commerce and Science College, Arvi (NCATMSA-2011), 6<sup>th</sup> March 2011.
16. "Synthesis ,Structural and Ultrasonic Studies of Crystalline Tin Oxide, N.N.Padole, O.P.Chimankar, V.D.Bhandakkar, **D.S.Badwaik**, N.R.Pawar UGC sponsored national Conference on S Synthesis and Characterization of Advanced Materials" Chanda Shikshan Prasarak Mandal's Janata Mahavidyalaya Chandrapur (MS) 8<sup>th</sup> Oct. 2011, ISBN: 978-93-81660-32-4
17. "Studies on Structural And Electrical Properties of SnCo Substituted SrCu Hexagonal Nanoferrite" V.D.Badwaik, **D.S.Badwaik** V.N.Nanoti, K.G.Rewatkar, , UGC sponsored national Conference on Recent Trends in Material Synthesis and Characterization" Bhalerao Science College, Saoner, Dist. Nagpur (MS) 17<sup>th</sup> Dec. 2011, ISBN: 978-81-922229-1-2
18. "The Preparation Characterization of Barium Titanate- Polyaniline Composite" **D.S.Badwaik**, S.M.Suryawanshi, S.P.Dongare U.B.Mahatme, H.A.Halim, UGC sponsored national Conference on Recent Trends in Material Synthesis and Characterization" Bhalerao Science College, Saoner, Dist. Nagpur (MS) 17<sup>th</sup> Dec. 2011, ISBN: 978-81-922229-1-2
19. Thermodynamic Study of Electrically Conductive PANi / Pbs Polymer Composite, U.B.Mahatme, V.A.Tabhane, **D.S.Badwaik**, , S.P.Dongare" UGC sponsored national Conference on Recent Trends in Material Synthesis and Characterization" Bhalerao Science College, Saoner, Dist. Nagpur (MS) 17<sup>th</sup> Dec. 2011, ISBN: 978-81-922229-1-2

**Minor Research Project: Completed MRP**

Dr. D. S. Badwaik	UGC	2008 -2010	Synthesis and Characterization of Conductive Polymer Composite Material for Industries and Advanced Technologies.	<b>Rs. 75,000 /- No.F. 47- 239/07</b>
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**Guided the following M.Sc.II (Physics) Students for Projects:**

Sr.no	Name of the Students	Title of the Project	Year
1	Miss. Bharti S. Madankar	"Synthesis and electrical conductivity measurement of polyaniline Zinc oxide composites"	2006-07
2	Miss. Leena Y. Gondane	"Synthesis and electrical conductivity measurement of Polyaniline Zinc oxide composites"	
3	Mr. Ashish G. Barbande	"Charge dynamics in conductivity of polyaniline semiconductor composite"	2007-08
4	Mr. Dinesh A. Kapgate	"Electrical conductivity of Polyaniline semiconductor composites"	
5	Miss. Priti M. Patil	"Charge dynamics in conductivity of Polyaniline semiconductor composites"	2008-09
6	Miss. Kirti A. Thengdi	"Synthesis and characterization of Polyaniline semiconductor composites"	
7	Mr. Shrikant M. Surywanshi	"Study Of Charge Transport Mechanism in Polyaniline Barium Titanate composites"	2009-10

8	Miss. Minakshi B. Rangire	“Studies on Chemically Synthesized composites of Polyaniline with cupric oxide”	
9	Mr. Chaitram K. Kapgate	“Studies on chemically synthesized conducting Polyaniline-Zinc oxide Nano composites”	2010-11
10	Miss. Reeta G. Bele	“Reinforcement of Stannic oxide (SnO <sub>2</sub> ) Nanoparticles in conducting Polyaniline matrix”	
11	Mr. Ajay Khobragade	Structural and Frequency Dependence Dielectric Properties of Mg Substituted SrBa Hexa Ferrites	2011-12
12	Mr. Tikeshwar Nagose	The Structural and Electrical Studies of Co Substituted SrCu Y-type Hexaferrites	
13	Mr. Utpreksha Bagade	The Structural and Electrical Studies of Mg Substituted SrCu Y-type Hexaferrites	

23. **Mrs S.P.Dakhore**

**She presented the following papers in Conferences/ Seminars:**

1. Presented a paper in National Conference on Current scenario on global challenges in germplasm conservation and Biodiversity.7-8 th July 2010 by R.T.M. Nagpur Univ. and presented paper on “Isozyme as a molecular marker in the identification of some taxa of Tubiflorae.”
2. She also presented a paper in National Conference ‘First global conference on plant reproductive biology on 22-24 Oct 2010 at Agra, on “Embryological investigation in *Lindernia crustacea*.”
3. She also presented a paper in National Conference Green Chemistry for Environment and human health. 20 th Jan. 2011, at KNM Nagpur on “Disadvantage of Herbicide.”

24. **Dr. D.R. Saxena**

**National Seminars / Conference:**

1. presented a paper in National Conference “New Horizon in biological system & biotechnology” held on 18<sup>th</sup> Feb 2010 at Govt. Institute of Science, Nagpur, on Histochemical studies on testis & accessory sex organs of Palm squirrel, *Funambulus pennati*(WROUGHTON)

25. **Mrs. MRUNAL RAVIKANT WALIOKAR**

**National Seminars / Conference:**

1. DYSLEXIA-Learning disability, S.B. city college nag.

## MRP On Going

S.No.	Title	Agency	Period	Grant / Amount Mobilized (Rs lakh)
1	Gruhinini tyanchy palyanchya mahavidylin shikshan sandarbhat ghetlelya nirnay padhatiche adyhyan.	UGC	2 Yrs	85,000/-

### **26. Prof. P. M. Sontakke**

#### **List of research paper publications**

##### **National Journals:**

1. “Design and Development of 3-phase Inverter”, Bionano Frontier (NCTESEEA-2012) 0974-0678, pp240-242, Mahesh Sharma, P. B. Dahikar, P. M. Sontakke.

##### **National Conferences and Seminars:**

1. “Wireless Electrical Equipment Control System”, **Mr. P. M. Sontakke** , Dr. P. B. Dahikar, Ms. P. M. Gaddamwar , 22 Jan 2011.
2. “An Embedded System For Fountain Show”, Mr. P. M. Sontakke , Ms. Switi S. Bhongekar, Ms. Sonali K. Patil , 22Jan 2011.
3. “Intelligent System For Determining Attitude” , Mr. Vishal G. Meshram , Mr. P. M. Sontakke, Mr. Mohan Naidu, 22 Jan 2011.
4. “PC Based Data Acquisition System” , Ms. Seema Rajurkar, Dr. C. S. Adgaonkar, Mr. P. M. Sontakke, Mr. K. Y. Rokde , 22 Jan 2011.

### **27. Prof. A.P. Mahajan**

#### **List of research paper publications**

##### **International Conference:**

1. Electrical Conductivity of Self –Assembled Polyaniline Nanotubes  
S.B. Kondawar, K.R. Patil, B.P. Ilamkar, **A.P. Mahajan**  
International Conference on “Advanced Materials”, at Coimbatore 12<sup>th</sup> -16<sup>th</sup> Dec. 2011. (ICAM – 2011), pp 318.

##### **National Conferences and Seminars:**

1. *Charge conduction mechanism in poly-aniline cupric oxide*”, UGC sponsored national Conference on Green chemistry for environment and human health, on 20<sup>th</sup> Jan 2011 organized by Department of Chemistry, Kamla Nehru Mahavidyalaya, Nagpur.
2. “*Characterization of chemically synthesized polyaniline-Zinc oxide Nano-composites*”, Dilip Badwaik, Chaitram Kapgate, **Ashish Mahajan**, Kishor Wasnik, Proceeding of national conference on “Advanced Technology in Material Science and their Applications” (NCATMSA-2011) at Arts, Commerce and Science College, Arvi on 6<sup>th</sup> March 2011.

**28. Dr. Anil S. Zoad****Ongoing Project**

S.No.	Title	Agency	Period	Grant / Amount Mobilized (Rs lakh)
1	<b>Asproshodhar chalwalit vidarbhache yogdan</b>	UGC	2 Yrs	30,000 /-

**29. Prof. Mahesh Sharma****: Research Papers and Minor Research Project**

Sr. No.	Title with page nos.	Journal	ISSN/ISBN No	IF
1	Design and Development of Three Phase Inverter Mahesh Sharma, Dr. P. B. Dahikar, P. K. Sontakke	J.Bionano Frontier Vol. 5(2012) pp 240-242,	ISSN No 0974-0678	<1
2	Chemical Composition and Discharge Characteristics of □ - MnO <sub>2</sub> prepared Using manganese ore H. Malankar, S. S. Umare, K. Singh and M. Sharma	Journal of Solid State Electrochemistry Volume 14 Number 1, Jan 2010, pp 71-82,	ISSN No. 1433-0768	2
3	Quiz Buzzer: Mahesh Sharma	Electronics for You Nov 2006, pp 74 – 80	ISSN No. 0013–516X	

***Minor Research Project***

S. No.	Title of the project	Agency	Period	Grants
1	Development of Constant Current Load for Testing of Proton Batteries	UGC	2005-2006	85000/-
2	Design and Development of standalone Electronic Load with USB link for data collection and transfer	UGC	2009-2010	1,33,000/-
3	Design and Development of standalone Electronic Load with USB link for data collection and transfer	Re-Applied from Kamla Nehru College		

**30. Prof. N.D. Shrigiriwar****National Seminars / Conference:**

1. Presented a Paper on the topic Retail Marketing in National conference on Management & IT organized by Raisoni Group Nagpur 2011

### **31. Miss Neha Wasalwar**

#### **National Seminars / Conference:**

1. Has presented a Paper on the topic “Trends in Management Practices, Role of Six Sigma In HR”. Organized by Tolani Institute of Management Studies Adipur Kachch in 2010.
2. Has presented a Paper on the topic “Competency Mapping- A successful business strategy in the global scenario”. Organized by Navilla Wadia Institute of Management Studies & Research 2011.
3. Has presented a Paper on the topic “Training and Development-Needs and Role”. Organized by Vishwakarma Global Business School Pune 2011.

### **32. Miss Simran Mamtani**

#### **National Seminars / Conference:**

1. **Has** Presented a Paper on the topic “Promotional Strategies in Pharma Sector”. In National Conference Organized by G.H. Raisonni 2011.
2. **Has** Presented a International Paper on the topic “Impact of Foreign Universities On Indian Education System”. In International Conference Organized by NIT College 2011.

### **33. Mr Sohail Khan**

#### **National Seminars / Conference:**

1. He has Presented a Paper in National conference on “Marketing to the bottom of Pyramid” organized by institute of business management and rural development Ahmednagar on 15<sup>th</sup> & 16<sup>th</sup> March 2010 were he received first prize for his paper.
2. He has also presented a paper in an International Conference on “innovative Practices in Management and Information Technology for Excellence” organized by Maharaja Agrasen Institute of Management & Technology, Jagadhri (Haryana) on 8<sup>th</sup> May 2010

### **34. Miss Kiran Gangwani**

#### **National Seminars / Conference:**

1. **has** Presented a International Paper on the topic “Impact of Foreign Universities On Indian Education System”. In International Conference Organized by NIT College 2011.
2. has presented a Paper on the topic “Infrastructural Financing with Special Reference to Project Financing”. In National Conference Organized by G.H. Raisonni 2011.
3. has presented a Paper on the topic “Emerging Trends in Indian Capital Market”. In National Conference Organized Navilla Wadia Institute of Management Studies & Research 2011.
4. has presented a Paper on the topic “Role of Micro-Finance for Promoting Integrated Rural Development”. National Conference Organized by Vishwakarma Global Business School Pune 2011.

### **35. Mr Sachin Chambhare**

#### **National Seminars / Conference:**

1. has presented a Paper on the topic Retail Marketing in National conference on Management & IT organized by Raisonni Group Nagpur 2011
2. has presented a Paper on the topic Portfolio Management in National conference organized by Lokmanay Tilak Institute of Management Studies & Research Nagpur 2011.

**36. Miss Harsha Indurkar**

**Has presented the following papers in Conferences/ Seminars**

1. Presented a paper in National Conference 'Green Chemistry for Environment and human health'. 20 th Jan. 2011, at KNM Nagpur on 'Effect of hormone combination on in-vitro studies of arachis hypo- gea'
2. She also presented a paper in National Conference 'Green Chemistry for Environment and human health'. 20 th Jan. 2011, at KNM Nagpur on 'In-vitro regeneration of bacopa monnieri'
3. She also presented a paper in the same conference on 'Biodegradation & decolorization of dye by mix consortia of bacteria'

**37. Dr S.D. Bhute**

**Has presented the following papers in Conferences/ Seminars :**

1. Presented paper in National Conference 'Green Chemistry for Environment and human health'. 20 th Jan. 2011, at KNM Nagpur on "Potential impact of human activities on Futala lake."