


Curriculum-Vitae

1	NAME	: Prof. Amulrao U. Borse <i>M. Sc., M. Phil., Ph. D.</i>	
2	DATE OF BIRTH	: 13-09-1957	
3	INSTITUTION	: North Maharashtra University, Jalgaon	
4	PRESENT DESIGNATION	: Professor School of Chemical Sciences, NMU, Jalgaon.	
5	NATIONALITY	: Indian	

6. EDUCATIONAL QUALIFICATION : *M. Sc., M. Phil., Ph. D.*

Degree	University	Year of Passing	Grade & % of Marks	Subject
B.Sc.	University of Pune	1979	68.60	Chemistry
M.Sc.	University of Pune	1982	57.00	Organic Chemistry
M. Phil. ¹	University of Pune	1991	A Grade	Organic Chemistry
Ph.D ²	North Maharashtra University	2003	---	Physical Chemistry

¹**Title of M. Phil. Thesis** : Synthetic Applications of Heteroatom Directed Lithiation Reactions

¹**Research Supervisor** : Prof. R. S. Mali

Department of Chemistry, University of Pune, Pune.

²**Title of Ph. D. Thesis** : Physico-Chemical Properties of Binary and Ternary Liquid Mixtures of n-alkanols with o-, p-and m-cresols

²**Research Supervisor** : Dr. P. S. Nikam

Department of Physical Chemistry, M. S. G. College, Malegaon Camp, Malegaon

7. EXPERIENCES

• TEACHING :

Sr. No.	Designation	Institution	Period From-To
1	Lecturer (SG)	MGTMS's ASC, Chopda, Dist. Jalgaon	24/08/1982 To 15/03/2004
2	Lecturer (SG)	MGTMS's ASC, Chopda, Dist. Jalgaon	15/08/2006 To 31/08/2006

3	Lecturer (SG)/ Reader (CAS)	School of Chemical Sciences, NMU, Jalgaon	01/09/2006 Redesigned due to CAS as Associate Professor w.e.f. 1/1/2006
4	Associate Professor (Stage 4) (CAS)	School of Chemical Sciences, NMU, Jalgaon	01/01/2006 (CAS Promotion)
5.	Professor	School of Chemical Sciences, NMU, Jalgaon	14-07-2012 Present

8. Subjects Taught:

Organic Reaction Mechanisms, Analytical Chemistry, Heterocyclic Chemistry, Synthetic Reagents.

I) ALLIED:

<p>a) Extension work carried out and Co-curricular and extra-curricular activities carried out:</p>
<ul style="list-style-type: none"> • Controller of Examinations North Maharashtra University, Jalgaon, 16/03/2004 to 14/08/2006 • As a In-charge Registrar, North Maharashtra University, Jalgaon: w.ef.: (i) 13/09/2005 to 21/09/2005 (ii) 26/12/2005 to 24/03/2005 (iii) 22/03/2006 to 24/03/2006 • Officiating Controller of Examinations (Additional Charge) North Maharashtra University, Jalgaon, 26/07/2011 Till Date • All Confidential and Related Works of University Examinations: 2006 to 2007 (1 yr.) • Working on statutory committee of University i) Member of Senate for 05 yrs.: Date 14/09/2010 ii) Member of Management Council Member for 05 yrs.: Date 26/03/2011 • Worked as Examination Co-coordinator, Paper & Syllabus Setting Committee at School of Chemical Sciences North Maharashtra

University, Jalgaon

- **Worked as Convener** of First National Conference on Innovations in Chemistry –Laboratory to Society 11th March, 2013 (ICLS-2013)
- **Actively participated in Special Convocation of Conferment of D. Litt. To Former President of India. Smt. Pratibha Devisingh Patil**
- **Member** of Steering Committee
- **Chairman** of Protocol Committee
- **Chairman** of Degree and Letter of Honors
- **Chairman** of purchase committee for water purification equipment's for boy's hostel
- **Chairman** for the purchase of consumable atoms required for computers, copy printers, Gestetner machine, Duplo machine, Photocopier machine
- **Member** of examination reform cell
- **Member** of Anti-raging committee of the university and department
- **Member** of Admission committee of M.Sc. courses for all departments on the university campus
- **Member** of Inquiry committee against Khapar college for complain to remove administrator
- **Member** of selection committee of technical assistance
- **Member** for preparation of rules and regulations for daily wages through contractor in the various sections
- **Member** of lectures arranged extramurally
- **In the committee of** complaints & grievances in the university of women against sexual harassment at the work places
- **Member of** teacher's requirements on the university campus for the self-supporting courses.
- **Member Admission committee School of Chemical Science, 2009-2011.**
- **Member** of Organizing Committee – Avishkar-2011, 28-29th December.
- **Coordinator** of Blazer committee-Avishkar-2011.
- **Coordinator** of Catering committee-Avishkar-2011.

- **Member** of Organizing Committee, “National Conference on Development and analysis of Drugs (DAD-2008)” NMU, Jalgaon during 15th March 2008.
- **Member** of Organizing Committee, “National Conference on nanomaterial’s, Industrial Polymers and Eco-friendly Coating-perspective and Challenges” jointly organized by School of Chemical Sciences and UDCT, NMU Jalgaon 18th February 2012.
- **Secretary**, Poster Presentation Celebration of ‘IYC 2011’ NMU Jalgaon 9th March 2012.
- **Organizing Committee member**, Workshop on Project, thesis and Paper writing in Chemistry, Celebration of ‘IYC 2011’ NMU Jalgaon 9th March 2012.
- **Coordinator**, M. Sc. Examination, School of Chemical Sciences, 2009-2011.
- **Coordinator**, Parent-teacher Association School of Chemical Sciences 2009-2010.
- **Coordinator**, Anti ragging and sexual harassment committee, School of Chemical Sciences.
- **Participated** in cultural activities (Welcome/ Annual fare-well functions of M.Sc. students).
- **Participated** in Teacher’s day celebration in School.
- **Participated** in celebration of National Science day functions.
- **Counseling for NET/SET** and placement.
- **Chairman of Ph D Viva-voce Committee** at North Maharashtra University, Vivo-voce Mr. Gore Rambhau Punjaji.
- **Chairman of Ph D Viva-voce Committee** at North Maharashtra University, Vivo-voce Mr. Pawar Yogesh anandrao.
- **Chief guest at State Level Workshop** “Challenges & Opportunities in Social Work Education” at College of Social Work Chopda, Dist- Jalgaon.
- **Member of** “University Academic Calendar” Committee.
- **Member of committee** constituted to sort out the problems of M.Ed., M.P.Ed. And other courses run by NMU that are not as per the nomenclature of UGC, New Delhi.

- **Member of selection committee** for the appointment of project fellow on UGC sponsored major research project at School of Chemical Technology, NMU Jalgaon, nominated as Honorable Vice Chancellors nominee. (Project Entitled-Effect of Nano Filler Master batches on Processing of Polymers).
- **Member of selection committee** for the appointment of project fellow on UGC sponsored major research project at School of Chemical Technology, NMU Jalgaon, nominated as Honorable Vice Chancellors nominee. (Project Entitled-Synthesis , Characterization and application of environment friendly nonionic Gemini surfactants from renewable sources).
- **Member of “Governing Body”** to control administrative activities in ‘University Institute of Chemical Technology, NMU Jalgaon’ under the supervision of Hon`ble Vice Chancellor.
- **Member of Finance and accounts committee** for “Western Region Inter University Kabbaddi (women)” at NMU Jalgaon.
- **Worked as “Paper Setter”** for M. Sc Organic Chemistry Examination Dec 2013 at School of Chemical Sciences, North Maharashtra University, Jalgaon.
- **Worked as Observer for Centralized M. Sc. Chemistry Admission of the university appointed by the Hon`ble Vice-chancellor, at M. J. College Jalgaon during 2011-12.**
- **Worked as “External Subject Expert”** for certificate course in Analytical instrumentation during 2013-14 at Arts, Science and Commerce College Chopda, Dist-Jalgaon.
- **Worked as “Subject Expert”** for Lecturer interviews at M J College Jalgaon on 10/07/2011, (University Nominee).
- **Worked as “Subject Expert”** for Lecturer interviews at M J College Jalgaon on 21/02/2009, (University Nominee).
- **Worked as “Subject Expert”** for Lecturer interviews at Late. Karmveer Dr. P. R. Ghogrey Science College Dhule (MS) India, on 19/07/2009, (University Nominee).
- **Worked as “Subject Expert”** for Lecturer interviews at Late. Karmveer

Dr. P. R. Ghogrey Science College Dhule (MS) India, on 20/07/2008, (University Nominee).

- **Worked as “Subject Expert”** for Lecturer interviews at Smt. Padambai Kapurchandji Kotecha Mahila Mahavidyalaya Bhusaval Dist Jalgaon(MS) India on, 19/07/2009, (University Nominee).
- **Worked as “Subject Expert”** for Lecturer interviews at Dadasaheb D S Patil Arts Commerce & Science College Erandol, Dist Jalgaon(MS) India on, 08/07/2009, (University Nominee).
- **Worked as “Subject Expert”** for Lecturer interviews at Shri. Vitthalrao Shankarrao Naik Arts, Commerce & Science College Raver, Dist Jalgaon(MS) India on, 22/05/2009, (University Nominee).
- **Worked as “Subject Expert”** for Lecturer interviews at Gangamai College of Engineering Nagaon, Dist-Dhule (MS) India on, 21/06/2009, (University Nominee).
- **Worked as “Subject Expert”** for Lecturer interviews at Bhusawal Arts, Science & P. O. Nahata Commerce College, Bhusawal Dist-Jalgaon on, 21/06/2009, (University Nominee).
- **Worked as “Subject Expert”** for Lecturer interviews at Mahatma Phule Arts & Science College (MS) India, on 28/05/2011, (University Nominee).

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Resource persons

- **Delivered plenary lecture on** “Standardization of Teaching in Higher Education” at Orientation Programme organized by UGC-Academic Staff College University of Pune during
- **Delivered plenary lecture on** “Chemical Analysis” as resource person and attended the National Seminar on ‘Modern Techniques in Chemical Analysis (NSMTICA-2013)’ on 06/02/2013.
- **Delivered plenary lecture on** “Chemistry in everyday Life” at refresher course in ‘Chemistry and Chemical Technology’ conducted at Department of Chemical Technology on 12/09/2011.
- **Delivered plenary lecture on** “Role of Chemistry in Health and Hygiene” at S. I. Patil Arts, G. B. Patel Science and S. T. S. K. V. Commerce College Shahada, Dist-Nandurbar on One Day Seminar On the occasion of

<p>International Year of Chemistry (IYC 2011).</p> <ul style="list-style-type: none"> • Delivered plenary lecture on “Gas Chromatography-Mass Spectroscopy” at National Seminar on ‘Modern Techniques in Chemical Analysis’ at Swoddharak Vidyarthi Sansthas Arts and Science College on 6-7th Feb 2013, Dhule. • Delivered plenary lecture on “Chemistry in everyday Life” at ‘One Day University Level Seminar on Environment, green Chemistry and C. P. M (Critical Path Methods) in Chemistry’ on 17 Feb 2012, at Department of Chemistry, Nutan Maratha College Jalgaon.
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II) RESEARCH :

A) Research Guidance for Ph. D: Working 07

B) Areas of research:

<ul style="list-style-type: none"> • Synthesis of Biologically Active Natural Products • Heterocycles : Quinoline, Quinolone, Isoquinoline Synthesis & their Bio-activities • Development of Newer Methodologies • Physiochemical Properties of Binary & Ternary Liquids • Solid Phase Extraction of Metal ions
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9. RESEARCH PROJECTS:

A) Ongoing: (Co-Project Investigator)

Ongoing Project Title:	: Development of Eco Friendly Methods, Novel Catalysts and Reagents for the Synthesis of High Energy Material
Funding Agency:	: UGC, New Delhi
Period / Amount Mobilized (Rs Lakhs):	: 2011-2013 (Nov. 2011) / 17.91 Lakhs

A) Ongoing: (Project Investigator) Submitted

10. RESEARCH PUBLICATION:

❖ Total : 11 Publications

<i>Sr. No.</i>	<i>Journal Name</i>	<i>Impact Factor</i>	<i>Citation Index</i>
1.	Tetrahedron Letters, 2012, 53(51), 6940-6942.	2.683	00
2.	Chinese Chemical Letters 2012, 23, 161-164	0.978	04
3.	E-Journal of Chemistry, 2012, 9(3), 1313-1319.	0.516	02
4.	E-Journal of Chemistry 2012, 9(3) , 1145-1152.	0.516	02
5.	Heterocyclic Letters, 2012, 2(3), 277-282.	Refereed and Indexed Journal	00
6.	ISRN Organic Chemistry, Volume 2012, Article ID 415645, 6 pages, doi:10.5402/2012/415645.	Refereed and Indexed Journal	01
7.	Journal of Pharmacy Research, 2012, 5(6), 3223-3226.	Refereed and Indexed Journal	00
8.	Rasayan Journal of Chemistry 2011, 4(3), 599-604.,	Refereed and Indexed Journal	00
9.	Synthetic Communications, 1989, 19(13 & 14), 2613-2619.	1.062	01
10.	Indian Journal of Chemistry, Vol. 35 B, February 1996, 116-123.	0.648	--
11.	Indian Journal Of Chemistry Vol- 1989, 35B, 116-120.	0.648	--
	Total	7.051	10

A] National and International Publications:

1. Synthetic utility of Kabachnik-Fields Reaction: A convenient one-pot, three-component synthesis of N-phenyl isoquinolone-1-phosphonates.

Amulrao U. Borse*, Nilesh L. Patil, Mahesh N. Patil, Raghao S. Mali.

Tetrahedron Letters 2012, 53(51), 6940-6942.

2. Glycerol mediated synthesis of 5-substituted 1H-tetrazoles under catalyst free conditions.
A. U. Borse, K. P. Nandre, J. K. Salunke, J. P. Nandre, V. S. Patil, S. V. Bhosale
Chinese Chemistry Letters 23, 2012, 161-164.
3. Expeditious, Mild and Solvent Free Synthesis of Bis(indolyl)methanes, Using a Mixture of Phosphorus Pentoxide in Methanesulphonic Acid
Amulrao U. Borse*, Mahesh N. Patil, Nilesh L. Patil.
E-Journal of Chemistry 9(3), 2012, 1313-1319
4. InCl₃-catalysed [2+3] cycloaddition reaction: A rapid synthesis of 5-substituted 1H-tetrazoles under microwave irradiation
Amulrao U. Borse*, Vijay S. Patil, Kamalakar P. Nandre, , Sidhanath V. Bhosale.
E-Journal of Chemistry 9(3), 2012, 1145-1152.
5. Phosphorus pentoxide-methanesulfonic acid catalyzed efficient synthesis of 5-substituted 1H-tetrazole derivatives.
Amulrao U. Borse*, Mahesh N. Patil, Nilesh L. Patil, Sandesh R. Tetgure
Heterocyclic Letters, 2012, 2(3), 277-282.
6. A green, expeditious, one-pot synthesis of 3,4-dihydropyrimidin-2(1H)-ones using a mixture of phosphorus pentoxide-methanesulfonic acid at ambient temperature.
Amulrao U. Borse*, Mahesh N. Patil, Nilesh L. Patil, Rohan D. Shinde.
ISRN Organic Chemistry, Volume 2012, Article ID 415645, 6 pages,
doi:10.5402/2012/415645.
7. Microwave assisted synthesis of 1-substituted 6,7-dimethoxy-3-oxo-2,3-dihydroisoquinolines under solvent free conditions as potential antimicrobial agents and their docking study.
Amulrao U. Borse*, Nilesh L. Patil, Mahesh N. Patil, Sandesh R. Tetgure, Ajay P. Nikum, Umesh D. Patil, Raghao S. Mali,
Journal of Pharmacy Research, 2012, 5(6), 3223-3226.
8. Density, Excess molar volume and apparent molar volume of Binary liquid Mixtures.
A. U. Borse*, P. P. Patil, S. R. Patil, D. G. Hundiwale.
Rasayan Journal of Chemistry, 4(3), 2011, 599-604.
9. Total Synthesis of (±) Thaicanine
Amulrao U. Borse*, Raghao S. Mali,
Synthetic Communications, 19(13 & 14), 1989, 2613-2619.

10. Synthesis of penta-oxygenated Berberines : Total synthesis of (+/-) O-methylthaicanine.
Amulrao U. Borse*, Raghao S. Mali, S. D. Patil,
Indian Journal Of Chemistry, 35B, 1989, 107-109.
11. Heteroatom Directed Lithiation Reaction in Organic Synthesis: Synthesis of Styrylphthalans and Functionalized Naphthalenes.
Amulrao U. Borse*, Raghao S. Mali.
Indian Journal of Chemistry, 35 B, February 1996, 116-120.

A] National and International Conferences:

- 1 Attended refresher course** in Chemistry organized by Department of Chemistry, Academic staff College, University of Pune, Pune during 30th April, 1989-27th May 1989.
- 2 Attended refresher course** in Chemistry organized by Centre for Professional development in Higher Education, University of Delhi during 7-28th June 1989.
- 3 Attended refresher course** in Chemistry organized by North Maharashtra University, Jalgaon Center at Pratap Center of Philosophy, Amalner during 15th January 1996- 11th February 1996.
- 4 Attended refresher course** in Chemistry organized by North Maharashtra University, Jalgaon Center at Pratap Center of Philosophy, Amalner during 9th April 1997- 6th May 1997.
- 5 Participated in National Conference on** “Accelerator and Low Level radiation Safety (NCALLRs-09)” held at inter-University Accelerator centre, new Delhi from 18-20th November 2009.
- 6 Paper Presented at National Conference on** “Recent Innovations in Oil & Food technology” at Division of Food Technology Department of Chemical Technology, NMU Jalgaon on 23rd August 2010. Paper Entitled ‘Ionic Liquides: Green Material for Pollution Free Chemical Separation’.
- 7 Oral Talk at National Conference** on “Advanced Analytical techniques in Chemistry and Pharmacy” at Maharaja Sayajirao Gaikawad College, Malegaon Dist Nashik on 8-9 Oct 2013. Paper Entitled ‘Densities and Viscosities of Binary Mixtures of o- and p-cresol with ethanol at 298.15 K at normal atm pressure.’

- 8 Paper Presented at National Seminar** on “Recent Advances in Food & Fermentation Technology (RAFFT-2013)” at University Institute of Chemical Technology, North Maharashtra University Jalgaon, on 25th Sept 2013. Paper Entitled.”
- 9 Paper Presented at 1st National Conference** on “Recent Advances in Chemical Sciences & Technology (RACST-2013)” at University Institute of Chemical Technology, North Maharashtra University Jalgaon, on 21st Sept 2013. Paper Entitled ‘Separation & Determination of Uranium from Different real samples using newly prepared extractant resin.’
- 10 Paper presented at International Conference** on “Organic & Bioorganic Chemistry:14th Tetrahedron Symposium” at Vienna, Austria during 25-28th June 2013. Paper Entitled ‘Synthesis of thioamides from tetrazolo[1,5-*a*]quinoline-4-carbaldehyde via Willgerodt-Kindler reaction and its antimicrobial study.’
- 11 Paper presented at International Conference- Chemical Constellation Cheminar-2012** (Theme: Chemistry for Sustainable Development and Innovation) at Dr. B R Ambedkar National Institute of Technology, Jalandhar Punjab-India on 12-12 September 2012, Paper Entitled “Viscosity, Density and Ultrasonic Velocity Studies of Binary Liquid Solutions of Isoamyl alcohol and isobutyl alcohol in Binary amine.”
- 12 Paper presented at 2nd International Conference-** “Emerging trends in Chemical Sciences (ETCS-2012)” at School of Chemical Sciences, Solapur University, Solapur MS India 2-4th November 2012. Paper Entitled: ‘1. Synthetic utility of Kabachnik-Fields Reaction: A convenient one-pot, three-component synthesis of N-phenyl isoquinolone-1-phosphonates’
- 13 Paper Presented at 1st National Conference on Innovation in Chemistry-Laboratory to Society (ICLS-2013)** at School of Chemical Sciences, North Maharashtra University, Jalgaon on 11th March 2013; and actively worked as Organizing Committee member. Paper Entitled “Viscosity, Density and Ultrasonic Velocity Studies of Binary Liquid Solutions of Isoamyl alcohol and isobutyl alcohol in Binary amine.”
- 14 Paper Presented at Avishkar 2013** on at North Maharashtra University Jalgaon, on 13-14 December 2012. Paper Entitled.”

15 Participated in State Level One Day Workshop on “Challenges and Opportunities in Social Work Education” on 23 January 2013 at College of Social Work, Chopda Dist. Jalgaon.

16 Paper Presented at National Conference on “National conference on Innovative interdisciplinary ideas in Chemical Sciences (NCIICS-2013)” at Arts, Science and Commerce College, Chopda Dist-Jalgaon; on 08-09 February 2013, Paper Entitled ‘A Green, Expeditious, One-Pot Synthesis of 3,4-Dihydropyrimidin-2(1*H*)-ones Using a Mixture of Phosphorus Pentoxide-Methanesulfonic Acid at Ambient Temperature.’

B] Curriculum Designing Workshops:

- 1 Participated in Workshop on “Curriculum Designing in Chemistry: Theory and Practical's for S.Y. B. Sc.”** at Department of Chemistry, P.S.G.V.P., Mandals A.S.C. College, Shahada on 20th December 1997.
- 2 Participated in “Workshop on T.Y.B.Sc. Chemistry Syllabus”** of North Maharashtra University, Jalgaon organized at department of Chemistry S.S.V.P.S. late Karmaveer Dr. P.R. Ghpgrey Science College, Dhule on 27th October 1998.
- 3 Participated in Workshop on “First Year B.Sc. Chemistry/M. Sc. –I Chemistry Syllabus Restructuring”** at Department of Pratap College Amalner on 23rd February, 2002.
- 4 Participated in “Workshop on T.Y.B.Sc. Chemistry Syllabus Restructuring”** of North Maharashtra University, Jalgaon at Department of Chemistry, S.S.V.P.S. late Karmaveer Dr. P.R. Ghpgrey Science College, Dhule on 10th January 2004.
- 5 Participated in “Workshop in Chemistry for T.Y.B.Sc. Chemistry Syllabus”** of North Maharashtra University, Jalgaon at Department of Chemistry, Dhanaji nana Mahavidyalaya, Faizpur on 13th February 2004.

B] Workshops/ Seminar Attended:

- 1 Attended the 75th Session of Indian Science Congress** held in Pune from 7-12th January 1988.
- 2 Attended the workshop** in Environmental Chemistry at Department of Chemistry university of Pune, Pune from 22-24th January 1988.

- 3 **Participated in Workshop** on Solid State Chemistry at Department of Chemistry M. S. G. College Malegaon from 22-25th March 1989.
- 4 **Participated in Workshop on** Advanced Ideas of stereo-Chemistry sponsored by university of Pune, Pune for P.G. College teachers of University of Pune at Department of Chemistry, Dhnaji Nana Mahavidyalaya, Faizpur from 16-17th March 1991.
- 5 **Participated in Workshop/Seminar** on Analytical-Organic Chemistry conducted at Department of Chemistry N.D.M.V.P Samaj's K.T.H.M. College Nashik on 12-13 February 1993.
- 6 **Participated in the Seminar on** "Environmental Pollution and its Control" from B.Sc. Chemistry syllabus of North Maharashtra University, Jalgaon organized by Arts, Commerce & Science College Dhule on 6th December 1998.
- 7 **Attended the workshop on** "general Knowledge" organized by Jai Hind Arts, Science and Commerce College, Dhule on 6th December 1998.
- 8 **Attended the three days national** Conference entitled "Plant Drugs: An Interdisciplinary Approach" jointly organized by University of Pune, Pune and A.K. G's Poona College of Arts, Science and Commerce Pune during 27-29th January 1999.
- 9 **Participated and attended the National Symposium on** "Metal and Other Elements in Organic Synthesis" jointly organized by University of Pune, Pune, Pune and National Chemical Laboratory, Pune on 25-26 February 2002.

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Research Students Profile:

Sr. No	Name of Students	Registration No.	Date of registration	Title of the research work	Remark
1	Nilesh Laxman Patil	NMU/11/Ph.D./Chemistry/179/2008	12/05/2008	Synthesis of Isoquinolones, Isoquinolines and Berbines.	Synopsis Submitted on 6 th November 2012
2	Mahesh Narayan Patil	NMU/11/Ph.D./Chem./159/2009	22/01/2009	Synthesis and Biological Activities of Some Heterocycles.	Thesis Submitted on 30 th September 2013
3	Rupali Shashikant Patil	NMU/11/Ph.D./Chem./158/2009	22/01/2009	Physicochemical Study of some Heterocyclic Compounds in protic, aprotic solvent mixture.	Working
4	Vijay Prabhakar Sangore	NMU/11/Ph.D./Chem./163/2009	22/01/2009	Studies on Thermodynamics and Transport properties of Liquid Mixtures.	Working
5	Pramod Prabhakar Patil	NMU/11/Ph.D./Chemistry/218/2011	22/02/2011	Studies on Inter Molecular Interactions of Binary Liquid Mixtures Using Density, Viscosity and Ultrasonic velocity Data.	Working
6	Manohar Gunwant Patil	NMU/11/Ph.D./Chemistry/1016/2011	22/02/2011	Viscosity, Density & Ultrasonic studies of Binary Liquids solutions of Benzyl amine & some alcohols.	Working
7	Sandesh Ramesh Tetgure	NMU/11/BCUD/Cert./431/2012	01/03/2012	Separation & determination of some d-block & f-block elements using solid phase extraction.	Working
8	Bharat Chunnihal Choudhary	NMU/11/Ph.D./Chem./31/2013	06/05/2013 (Provisional)	Separation and Recovery of Precious Group Metals using Biomaterials	Working

9	Balasaheb Ramchandra Deshmukh	NMU/11/Ph.D./Chem ./30/2013	06/05/2013 (Provisional)	Supramolecular Self-assembly of Novel Heterocycles	Working
10	Santosh Siddharth Dipke	NMU/11/Ph.D./Chem ./19/2013	06/05/2013 (Provisional)	Study Towards Synthesis and Photophysical Properties of Newer Ketoiminates	Working