

**Jamner Taluka Education Society's**  
**GITABAI DATTATRAY MAHAJAN ARTS, SHRI KESHARIMAL RAJMAL**  
**NAVLAHA COMMERCE AND MANOHARSETH DHARIWAL**  
**SCIENCE COLLEGE, JAMNER**

**PERSONAL PROFILE**

**OF**

**DR. ABAJI RAMDAS PATIL**

**M. Sc. Ph. D.**

**Professor in Mathematics**

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## 1. PERSONAL INFORMATION

1. Name :- Dr. Abaji Ramdas Patil
2. Designation :- Professor
3. Department :- Mathematics
4. College Name and Address :- G. D. M. Arts, K. R. N. Commerce and M. D. Science College, Jamner, Dist. Jalgaon(M. S.)  
Pin Code:- 424206.
5. Permanent Address :- 23/1 Dwarka Darshan Park, Jalgaon Road, Jamner
6. Telephone(s) :- Office : 02580-230078  
Resi : 9421610473
7. Date of Birth :- 7<sup>th</sup> February 1967
8. Place of Birth :- Dhalshingi
9. Marital Status :- Married
10. Nationality :- Indian
11. Caste :- Hindu-Maratha (OPEN)
12. Educational Qualification :- M. Sc.(Mathematics), Ph. D.
13. Award of M. Sc. Degree :- 1990
14. Award of Ph. D. Degree :- 2<sup>nd</sup> September 2013
15. Date of Joining :- 4<sup>th</sup> July 1990
16. Teaching Experience :- 33 Years at UG level, 8 Years at PG level

### 17. Details About Educational Qualifications:

Sr. No.	Degree	University	Year of Passing	Marks	Grade
1.	B. Sc.	Pune	1988	64.00 %	A
2.	M. Sc.	Pune	1990	60.10 %	A
3.	Ph. D.	NMU, Jalgaon	2013	--	--

## 17. Subjects Taught Up Till Now :

Sr. No.	Class	Name of Subjects
1.	T. Y. B. Sc.	Metric Spaces, Lattice Theory, Measure Theory, Differential Geometry, Real Analysis, Linear Algebra, Abstract Algebra and Practical Courses
2.	S. Y. B. Sc.	Calculus of Several Variables, Group Theory, Complex Variables, Set Theory and Logic and Practical Course.
3.	F. Y. B. Sc.	Calculus of Single variable, Ordinary Differential Equations, Graph Theory and Discrete Mathematics

## 2. ACADEMIC ACHIEVEMENTS AND ACTIVITIES:

### (A) Orientation and Refresher Courses:

Sr. No	Name of the Course	Place	Duration	Sponsoring Agency
1.	Orientation	Pune	03/06/1992 to 30/06/1992	Academic Staff College, Pune
2.	Refresher	Pune	27/02/1995 to 25/03/1995	Academic Staf College ,Pune
3.	Refresher	Pune	10/03/2004 to 30/03/2004	Academic Staff College , Pune
4.	Refresher	Pune	16/11/2004 to 06/12/2004	Academic Staff College Pune

### **(B) College Level Activities:-**

1. NMU approved Guide for Ph.D. and M. Phil
2. Member, Board of Studies, North Maharashtra University, Jalgaon
3. Faculty Member, North Maharashtra University, Jalgaon
4. Worked as a Chairman of LIC committee University region.
5. Worked as Chairman of Flying Squad during examination.
6. Worked as Expert member for Ph.D. Pre- Viva Voce.
7. Worked as a Vice Chancellor nominee for the interview
8. Worked as a Subject Expert for the college's regular interviews.
9. Worked as paper setter for Graduation and Post-Graduation of Mathematics
10. Worked as Chair person in national and international conferences for paper presentation session.
11. Our Department of Mathematics has produced Gold Medalist students for B.Sc. and M.Sc. in NMU Jalgaon

### **(C) University Level Activities:-**

1. Worked as **Chairman and Member of Paper Setting Committee** ordered by KBC North Maharashtra University, Jalgaon.
2. Worked as **Chairman and Member of Practical Paper Setting Committee** ordered by KBC North Maharashtra University, Jalgaon.
3. Worked as **Member of Flying squad for Examinations** conducted by KBC North Maharashtra University, Jalgaon.
4. Worked as **External Senior Supervisor at various Examinations** centers of KBC North Maharashtra University, Jalgaon.
5. Worked as **Internal and External Examiner for Practical Examinations** centers of KBC North Maharashtra University, Jalgaon.
6. Worked as **Member of Syllabus Framing Committee** in various papers of the Curriculum.
7. Worked as **Examiner for various subjects** in Central Assessment Program organized by KBC North Maharashtra University, Jalgaon.
8. Worked as **LIC member for renewal proposal** year 2013-14 at Commerce, Science and Management College, Thalner, Tal. Shirpur, Dist. Dhule.

**(D) Workshops, Seminars and Conferences:-**

<b>Sr. No.</b>	<b>Title of the Invited lecture/paper presentations/ full paper in Conference Proceedings</b>	<b>Title of Conference/ seminar</b>	<b>Organized by</b>	<b>Level International/ National/State/ University</b>
1.	Jordan ideals in a Prime Rings and Its Derivations <b>14-16, February 2018</b>	International conference on Current Scenario in pure and Applied Mathematics	P.G. and Research Department of Mathematics Kongunadu Arts and Science College (Autonomous) Coimbatore	International
2.	Generalized * Lie Ideal of * Prime ring NCAANT <b>13-14 January 2018</b>	National Conference on Algebra , Analysis and Number Theory NCAANT-2018	KBC NMU Jalgaon.	National
3.	Prime Gamma Rings with commuting Generalized Derivations <b>17 January 2017</b>	National conference on Role of Mathematics in Science and Technology (RMST 2017)	Arts , Commerce and Science College BodwadDistJalgao n	National
4.	On left * Centralizer of Prime rings with Involutions <b>12-14 November 2016</b>	International Conference on Algebra and Its Applications	Aligarh Muslim University , Aligarh	International

5.	Centralizing Mapping on Prime Rings <b>January 29-30, 2016.</b>	UGC Sponsored 2 <sup>nd</sup> National Conference On Algebra , Analysis and Euzzy Mathematics (NCAAFM 2016) January 29-30, 2016.	Department of Mathematics KBC NMU Jalgaon	National
6.	Derivations in Prime Near Rings <b>September 12-13, 2015</b>	UGC (WRO) SPONSORED National Conference On Recent Trends In Mathematics and Its Applications September 12-13, 2015	MungasajiMaharajMahavidyalaya, Darva	National
7.	On generalized Derivations of Prime Rings <b>30-31 January 2015.</b>	National Conference On Recent Trends In Applied Sciences Organized By Under PEC – MS Forum By MooljiJaitha	Moolji Jaitha College, Jalgaon.Dist. Jalgaon	National
8.	Certain Near Rings with Generalized Derivations are Rings <b>23-25 December, 2014.</b>	National Conference On Recent Advances In Mathematics 23-25 December, 2014.	Conducted By Deogiri College , Aurangabad	National

9.	On Generalized Commutativity Prime Rings <b>December 15-17, 2014</b>	International Conference On Algebra and Its Applications (ICAA -14) Under UGC - DRS (II)	Aligarh Muslim University , Aligarh 202002	International
10.	ON Actions of Algebraic Groups, <b>21-22 February</b>	National Conference On Algebra , Analysis and Fuzzy Mathematics	Department Of Mathematics , School Of Mathematical Science , North Maharashtra University, Jalgaon	National
11.	act Of Product of elements in a finite Group <b>December 28-31, 2012</b>	UGC ,DST,CSIR , INSA, Sponsored International Conference On Mathematical Sciences Nagpur	Organized By S.S.E.S.Amrawati's Science College , Congress Nagar Nagpur. 440012(M.S.) ,	International
12.	Algebraic Structure $S$ and $A(S)$ , $S^S$ Structure <b>18-19 September 2009</b>	National conference on Recent Trends in Mathematics	Dept. of Mathematics Government Vidharbh Institute of Science and Humanities Amravati	National
13.	A note on union of sub-algebraic structures <b>03 January 2009</b>	Recent Trends in Teaching Basic and Applied Sciences	Seminar by Babasaheb Naik College Pusad	State Level Seminar



14	On Permutation and Solvable Groups <b>27-28 January 2008</b>	Recent Developments in Graduate and Post Graduate Mathematics	Annasaheb Dhond e Mahavidyalaya K ada Tal Ashti. Dist Beed	State Level
15.	Homomorphism with Single Condition ", FRONTIER, <b>17-18 December 2007</b>	Proceeding of National Conference on "Emerging Trends in Engineering and Technology", FRONTIER, 17-18 December 2007	Babasaheb Naik College of Engineering, Pusad	National

### 3. Research Activities:

#### ❖ Minor Research Project(Co-Investigator):

Topic-I : Some Aspects of Finite Groups

Date of Submission: 31<sup>st</sup> March 2013

#### ❖ Paper Published in International Journal:

- On Differentiability and Integrability of Rings International Journal of Science and Research (ISSN 2319-7064 Vol 9 January 2020).
- On Semiprime Rings and it's Dependent elements - International Journal of Science and Research (ISSN 2319-7064 Vol 8 August 2019).
- On Relation between Near Rings and Rings -International Journal of Engineering Science and Mathematics (ISSN 2320-0294 Vol 8 August 2019).
- On Prime Gamma Rings with Centralizing and Commuting Generalized Derivations International Journals of Information and Computational Science ( ISSN 1548- 7741 July 2019).

- On Jordan Ideals in Prime Near rings and it's Derivations International Journal of Research and Analytical Review (ISSN 2349-5158 July 2019).
- On Commuting Powers of Rings and Groups International Journal of Research and Analytical Review (ISSN 2349-5158 June 2019).
- Generalized \* Lie Ideals of \*Prime Rings Journal of emerging technologies and Innovative Research (ISSN 2349-5162 June 2019).
- On left alpha Centralizers of prime near rings with involutions International Journal of Mathematical Sciences and Engineering Applications (ISSN 0973-9424 April 2017).
- Derivations in Prime near Rings International Journal of Pure and engineering Mathematics (ISSN 2348-3881 April 2016).
- Certain near rings with generalized Derivations are rings International Journal of Pure and engineering Mathematics (ISSN 2348-388 ,2014)
- Study of product of elements in finite Group International Journal of Mathematical Sciences and Engineering Applications (ISSN 0973-9424 November 2013).
- Algebraic structure of  $A(S)$  and  $S$  power  $s$  Government Vidarbha Institute of Humanities, Amravati ( ISSN 0973-8932).
- On index of a sub group of a Group Bulletin of Marathwada Mathematical Society, Aurangabad ( ISSN 0976-6049 June 2011).
- Converse of Lagrange's Theorem and Solvable Groups Bulletin of MMS ISSN 0976-6049 , 2009.
- On sub group with integer power elements National Conference PES College of Engineering Proceedings
- A note on union of sub algebraic structures Research Link ( ISSN 0973-1628, 2009).
- On Groups and Rings Government Vidarbha Institute of Humanities, Amravati ( ISSN 0973-8932, 2008).
- Boolean sub algebra, Sub lattice and Homomorphism National Conference On Recent Trends in Discrete Mathematics Science college, Dhule, September, 2008

- On prime and semi prime near rings and Derivations International Journal of pure and Applied Mathematics ( ISSN 2348-3881).
- Some Common Aspects of Sub algebraic Structure Government Vidarbha Institute of Humanities, Amravati (ISSN 0973-8932, 2007).
- Homomorphism with single condition Proceeding of national conference on Emerging Trends in Engineering and Technologies, December 2007.

❖ **Details of Conferences, Seminars etc. Attended:**

- Jordan ideals in prime rings - International conference on current scenario in pure and applied Mathematics Department of Mathematics, Kongunadu Arts and science college Autonomous, Coimbatore 14-16 February 2018
- Generalized \* Lie Ideals of \*Prime Rings National Conference on Algebra, Analysis and Number Theory KBCNMU Jalgaon ,13- 14 January
- Prime Gamma Rings with Centralizing and Commuting Generalized Derivations, National conference on Role of Mathematics in Science and Technology, Arts Commerce and Science College Bodwad . Dist Jalgaon 17 January 2017.
  - On left alpha Centralizers of prime near rings with involutions International conference on Algebra and its Applications, AMU Aligarh on 12-14 November 2016
- Centralizing mapping on prime, UGC Sponsored National conference on algebra, analysis and Fuzzy Mathematics NMU Jalgaon , 29-30 January 2016
- Derivations in prime Near rings , UGC Sponsored , National conference on Recent trends in mathematics and it's Applications 12-13 September 2015 , By Mungsaji Mahavidyalaya , Darva. Dist Yeotmal
- On generalized Derivations of prime rings National conference on

Recent trends in in applied sciences by M. J. College Jalgaon 30-31 January 2015

- Certain near rings with generalized Derivations are rings National conference on recent trends in Mathematics By Deogiri college Aurangabad on 23-25 December 2014
- On generalized commutativity of rings International conference on Algebra and its Applications by AMU Aligarh on 15-17-December 2014
- On actions of Algebraic Groups, National conference on Algebra, Analysis and Fuzzy Mathematics by NMU Jalgaon on 21-22- February 2014
- Product of elements in a finite Groups International conference on Mathematical Sciences by Science college Congress Nagar , Nagpur on 28-31 December 2012
- Algebraic structure  $S$  and power of  $S$  to  $s$  , National conference on Recent trends in Mathematics , Government Vidarbha Institute of Humanities , Amravati 18-19 September 2009
- A note on union sub algebraic Structures, Recent trends in teaching basis and applied Sciences, Babasaheb Naik college Pusad . on 03 January 2009
- On permutations and Solvable Groups , Recent Developments in Graduate and Post Graduate Mathematics by Anna Saheb Dhondage College , Kada Tal. Ashti ,on 27-28January 2008
- Homomorphisms with Single conditions Proceeding of National Conference in Emerging Trends in Engineering and Technology By Babasaheb Naik College Pusad . Dist Yeotmal .on 17-18 December 2007
- On index of a sub group of a group National conference on Industrial Mathematics NMU Jalgaon on 21-23 January 2010
- A note on groups and it's cyclic subgroups 77 annual conference SRTM Nanded on 27-30 December 2011
- Boolean subalgebra sub lattice and homomorphisms, National

conference on recent trends in Discrete mathematics by SSVPS Science College Dhule on 1-2 September 2008

- Some remarks on homomorphisms of Lie ideals in prime rings with involutions National conference on Recent advances in Mathematical Sciences SGBA Amravati on 17-18 June 2016.

❖ **Publised Text Books:**

These books are preferably used by the students in the colleges of KBC North Maharashtra University Region:

Sr. No.	Name of Book	Name of Publisher
1.	Matrix Algebra	Vrinda Publication, Jalgaon
2.	Complex Variables	
3.	Laplace Transforms	
4.	Ordinary Differential Equations	
5.	Theory of groups	
6.	Calculus of several Variables	
7.	Algebra	
8.	Advanced calculus	
9.	Complex Analysis	
10.	Graph Theory	
11.	Matrix Algebra	

#### **4. COMMUNITY SERVICES**

- Medical help to poor and needy people in rural side.
- Financial help to needy people in the crucial conditions.
- Guidance and contact with medical professionals – Civil / Rural Hospitals.
- Financial help to the needy and poor students at the time of admission in college.

#### **5. COUNSELLING AND CONSULTANCY**

- Guided the past students of Mathematics Department of MBA, MCA/M. Sc. Tech Entrance Exam and NET/SET Exam etc.
- Guided to the students for MPSC and other Competitive Examinations.
- Guidance to the students regarding employment, career, profession etc.

#### **6. CO-CURRICULAR ACTIVITIES**

- Organized seminars for all students of Department of Mathematics
- Conducted monthly tests in the classes.
- Provided guidance to the students regarding participation in Science and Mathematical Quiz, Career Courses etc.
- Guided the students in reference with syllabus, examination, competitive awareness etc.
- Home assignments are given regularly in the classes.
- Orals are conducted after the class tests.
- Guided the students in reference with syllabus of competitive examinations, current awareness.
- Working as an examiner, moderator, paper setter since 1998.
- Working as a member of Question Bank Committee of F. Y. B. Sc. and S. Y. B. Sc. level.
- Working as external and internal examiner in Practical examination at various Centers of KBC North Maharashtra University, Jalgaon.

## **7. EXTRA CURRICULAR ACTIVITIES**

- Worked as a Chairman of Career Guidance Committee.
- Working as a Member of Science Association.
- Worked as a Member of Staff Academy College Committee.
- Worked as a Member of Committee in annual gathering program of students.
- Guided the students in the science exhibition organized by science association.

## **8. LINKAGES WITH OTHER INSTITUTE REGARDING TEACHING WORK**

- Member – Lifetime membership of Marathwada Mathematical Society, Aurangabad.
- Worked as a Lecturer - YCMOU, Nasik, Study center at Jamner College.

## **9. MEMBERSHIP – PROFESSIONAL BODIES/SOCIETIES**

- Member - KBC NMU, Jalgaon – Mathematical Teachers Organization.
- Member and Director– Arts, Commerce and Science College Employs Co-operative society Ltd., Jamner.
- Member - NMUCTO, Lecturers Organization.
- Member - Jyotiba Phule Credit Co-operative society, Jamner.