

Dr. Manish Chhabanrao Agalave, Ph.D.

Present position

- Head and Assistant Professor

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Work Experience

- Teaching: 18 years
- Research/Industrial: 10 years

Course(s) Taught (Only Titles)

1. MTS1101 Calculus-I
2. MTS1102 Algebra
3. MTS1103 Mathematics Practical-I
4. MTS1201 Calculus-II
5. MTS1202 Geometry
6. MTS1203 Mathematics Practical-II
7. MTS2301 Calculus of Several Variables
8. MTS2302 Ordinary Differential Equations
9. MTS2304 Mathematics Practical-III
10. MTS2401 Linear Algebra
11. MTS2402 Vector Calculus
12. MTS2404 Mathematics Practical-IV
13. MTS3504 Group Theory
14. MTS3508 Mathematics Practical-II
15. MTS3509 Mathematics Practical-III
16. MTS3512 Financial Mathematics-I
17. MTS3515 Combinatorics
18. MTS3604 Ring Theory
19. MTS3608 Mathematics Practical-V
20. MTS3609 Mathematics Practical-III
21. MTS3612 Financial Mathematics-II
22. MTS3613 Graph Theory

Field of Specialization/Areas of Interests

- Lattice Theory
- Algebra

Education

- **Ph.D. – (Mathematics): September 2021**
Title of the Thesis: A Study of Varieties in Heyting algebras and their interrelationship with reducibility.
Name of University / Institution: Savitribai Phule Pune University.
Year of Award: 2021
- **Master of Science/Arts- (Mathematics): 2006**
University/College: Pune University.
- **Bachelor of Science- (subject name): 2003**
College, University, Place: Fergusson College, Pune.

Member of College Committees/ Professional Bodies and Others

College Level	Professional Bodies	Others
Coordinator of College Admission Committee at FYBSc	Indian Mathematical Society (Life Member)	Chairman of BOS member Department of Mathematics, Fergusson College(Autonomous), Pune
Member of College Admission Committee at TYBSc		
Member of College Timetable Committee	Indian Science Congress Association (Life Member)	Department Coordinator of Timetable
Member of College Discipline Committee during Cultural Activities	Indian Academy of Industrial and Applicable Mathematics (Life Member)	
Member of feedback committee		
Member of IQAC Committee		
Member of College Examination Committee		

Employment History

Organization : PES's, Modern College of Arts, Science and Commerce, Ganeshkhind, Pune.

Role : Lecturer

Duration : 2006 to 2007

Organization : Sinhgad Institute of Technology, Lonavala, Pune.

Role : Lecturer

Duration : 2007 to 2009

Organization : College of Engineering Pune.

Role : Lecturer

Duration : 2009 to 2010

Research Projects

Title of the Project	Name of Funding Agency	Amount (Rs)	Duration (Year) (From To)	Type (Minor/Major)	Outcome
A study of Topological aspects of lattice implication algebras	BCUD SPPU	2 Lac Rs.	2014-2016	Minor	Paper Presented

Research Publications in National and International Journals

1. Forbidden Structures in Heyting algebras with respect to Sublattices, International Journal of Algebra, 11(5)(2017), 211-224 (DOI:10.12988/ija.2017.7523) (with Vilas Kharat and R.S. Shewale), ISSN:1312-8868.
2. Characterizations of Deletable Elements and Reducibility Numbers in Some Classes of Lattices, International Journal of Next-Generation Computing, 12(2) (2021), 181-189, DOI:10.47164/ijngc.v12i2.772) (with Vilas Kharat and R. S. Shewale), ISSN: 0976-5034, UGC-CARE List Group-II WoS.

Participation in Conferences/Seminars/Symposia/Workshop:

1. International Conference on Mathematical Sciences -2015 at Sadguru Gadage Maharaj College, Karad. "A note on Boolean and Stone Lattices".
2. Regional research conference Innovation – 2016, BCUD, SPPU. "A study of topological aspects of lattice-algebra".
3. National Conference on Discrete Mathematics held at Department of Mathematics, Savitribai Phule Pune University, 20th – 22nd February 2017. "A note on H_3 ".
4. International conference on Recent Advances in Algebra, Analysis & Applications at Department of Mathematics, University College of Science, Mohanlal Sukhadia University, Udaipur, Rajasthan, during 20th -22nd December 2019, "Deletable Elements in Relatively Pseudo-complemented Lattices".

Events Organized/Coordinated:

Sr. No	Name of the Event	Name of organizing Institute/ College/ University	Nature of contribution	Dates
1	National Workshop on Recent Trends in Applied Statistics: an Interdisciplinary Approach, University of Pune	Fergusson College, Pune	Member in Organizing committee	15th -16th March 2013.
2	Mathematics Exhibition “Mathematics That You Can Touch”	Fergusson College and Goethe Institute Max Muller Bhavan	Member in Organizing committee	1st – 10th July 2010.
3	TYBSc Revision Workshop at Department of Mathematics, Fergusson College	Savitribai Phule Pune University	Member in Organizing committee	7th February 2015
4	One Day National Workshop on Applied Mathematics and Career Opportunities on the occasion of National Mathematics Day	Fergusson College, Pune	Coordinator	22 December 2021
5	Faculty Development Program in Mathematics on Fast Fourier Transform	Fergusson College, Pune	Coordinator	27 th -29 th January 2022
6	Wrangler R P Paranjape Memorial Winter School at Department of Mathematics	Fergusson College, Pune	Coordinator	20 th February-7 th March 2022.