RESUME



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0231-2609218, 2609220.

ACADEMIC DETAILS:

1. Doctor of Philosophy (Mathematics)

University: University of Pune, Pune, Maharashtra, India

Ph. D. Supervisor: Professor Vilas Kharat

Thesis Title: Some Aspects of Reducibility in Posets. Year: 2013

2. Master of Science (M. Sc.) Mathematics

University: University of Pune, Pune, Maharashtra, India. Percentage Obtained: 61.95 (Aggregate) Year: 2002

3. National Eligibility Test (NET)

University: CSIR, New Delhi. Qualified: December 2001

4. Bachelor of Education (B.Ed.)

University: University of Pune, Pune, Maharashtra, India.

Percentage Obtained: 69.55 Year: 2001

5. Bachelor of Science (B. Sc.)

University: University of Pune, Pune, Maharashtra, India. Percentage Obtained: 60.58 (Aggregate) Year: 1999

RESEARCH SPECIALIZATION:

Lattice Theory, Discrete Mathematics

TEACHING EXPERIENCE: 20 Years

- 1. Post Graduate: Assistant Professor in Mathematics at Department of Mathematics, Shivaji University, Kolhapur, since March 18, 2005 to till date.
- 2. Under Graduate: Lecturer in Mathematics at S.T.E. Society's Sinhgad College of Science, Vadgoan(BK), Pune, July 8, 2002 to March 17, 2005.

Courses Taught:

Undergraduate Level:- Discrete Mathematics, Linear Algebra, Computational Geometry, Algebra, Calculus, Numerical Methods.

Postgraduate level:- Algebra, Advanced Calculus, Differential Equations, Numerical Analysis, Linear Algebra, Partial Differential Equations, Discrete Mathematics, Complex Analysis, Measure and Integration, Lattice Theory, Combinatorics, Fuzzy Mathematics, Discrete Mathematical Structure.

BOOKS AUTHORED:

- 1. Advance Discrete Mathematics, Shivaji University Press, 2009 (with C. S. Manjarekar), (ISBN: 978-81-8486-261-8).
- 2. Linear Algebra, Shivaji University Press, 2014 (ISBN: 978-81-8486-528-8).
- 3. Numerical Analysis, Shivaji University Press, 2014 (with S. H. Thakar) (ISBN:978-81-8486-538-7).
- 4. Advance Discrete Mathematics, Shivaji University Press, 2014, (with J. R. Thorwe)(ISBN: 978-81-8486-669-8).
- 5. Combinatorics, Shivaji University Press, 2017 (ISBN: 978-81-8486-691-9)
- 6. Fuzzy Mathematics-II, Shivaji University Press, (in press)
- 7. Discrete Mathematics, Y. C. M. U. Nashik, (in press)

Papers:

- 1. On Weakly Primary Elements in Multiplicative Lattices, Southeast Asian Bulletin of Mathematics (Southeast Asian Math. Soc.), 40(1) (2016), 49-57 (with Sachin Ballal and Vilas Kharat)
- 2. A Note on ZI-Lattices, International Journal of Research and Analytical Reviews (IJRAR) 6(1) (2019), 343-348. (with Vilas Kharat)
- 3. A Note on Molecular Posets, International Journal of Research and Analytical Reviews (IJRAR) 6(1) (2019), 25-29.
- 4. Some Results on Nonlocal Generalized Fractional Integrodifferential Equation, Stochastic Modeling and Applications 25(2) (2021), 389-402. (With M. A. Kazi, V. V. Kharat, A. R. Reshimkar, S. D. Thikane)
- 5. On irreducible pseudo symmetric ideals of a partially ordered ternary semigroup, Quasigroups and Related Systems 30 (2022), 169 180 (With D. N. Shinde)
- Some Results on φ-Hilfer Mixed Fractional Integrodifferential Equation, Stochastic Modeling and Applications 26(1) (2022), 169-186 (With V. V. Kharat, M. A. Gandhi)
- 7. An Application of a Generalized Distribution Series on Certain Subclasses of Analytic Functions, Stochastic Modeling and Applications

- 26(1) (2022), 187-194 (With S. D. Bhourgunde, S. D. Thikane, M. G. Shrigan)
- 8. Some differential subordinations and fuzzy differential subordinations using generalised integral operator, Italian Journal of Pure and Applied Mathematics, N. 48–2022, 830–842 (2022) (With U. H. Naik, R. M. Shaikh, Abbas K Wanas)
- 9. On prime pseudo symmetric ideal of a partially ordered ternary semigroup, Southeast Asian Bulletin of Mathematics (Accepted) (With D. N. Shinde)

Projects:

1. Title: A Study of Some Concepts in Modular and Semimodular Posets and Applications. Funded by Shivaji University, Kolhapur. Amount: 95000/-

INVITED TALKS

- 1. Worked as Resource Person for State Level Seminar held at Pethwadgoan.
- 2. Worked as Resource Person for 22nd Annual Conference of SUMS held at Vita
- 3. Worked as Resource Person for 24th Annual Conference SUMS held at Jath.
- 4. Worked as Resource Person for workshop on Mathematics in Nature, held at Rajaram College, Kolhapur.
- 5. Worked as Resource Person for in NSS Camp at R. C. S. College, Kolhapur.
- 6. Worked as Resource Person for National Mathematics Day, at Department of Mathematics, Solapur University, Solapur.
- 7. Worked as Resource Person for B. Sc. Syllabus workshop held at Pethwadgoan.
- 8. Worked as Resource Person for B. Sc. Students at Adv. Mohanrao Nanasaheb Deshmukh, Arts Science and Commerce College Rajur.
- 9. Worked as Resource Person for lecture series in Y. C. Institute of Science, Satara.
- 10. Worked as Resource Person for NET/ SET workshop at S. G. M College, Karad.
- 11. Worked as chief guest for State level Ramanujan Quiz and Model presentation at Willingdon College, Sangli.
- 12. Worked as Resource Person 25th Annual Conference SUMS held at D. P. V. P. College, Tasgoan.

- 13. Delivered invited talk in Two Days National Level Workshop on LaTex, Department of Basic Sciences and Civil Engineering, Annasaheb Dange College of Engineering and Technology, Astha, Sangli.
- 14. Worked as Resource Person Examiner for Avishkar Research Convention 2019-20 at Balwant College Vita.
- 15. Delivered invited talk in on Advances in Mathematics, in Department of Mathematics, Vivekanad College, Kolhapur.
- 16. Worked as Resource Person National conference on Modern and computational Mathematics, (26th Annual Conference) collaboration with SUMS and held at Y. C. Institute of Science, Satara.
- 17. Delivered invited talk in Three Days National Webinar on Advances in Mathematics, Department of Mathematics, Shrikrishna Mahavidyalaya, Gunjoti, Osmanabad.
- 18. Delivered invited talk in Three Days National Webinar on Advances in Mathematics, Department of Mathematics, Balwant college Vita, Karad, Satara.
- 19. Delivered invited talks in STTP programme, organized by Department of Mathematics, Government College of Engineering, Aurangabad. 2020-21
- 20. Delivered invited talk in One Day Natinal Workshop on Differentiation and Abstract Algebra, organized by Department of Mathematics, Jaysingpur College, Jaysingpur. 2020-21
- 21. Delivered invited talk in Research Training programme, organized by Rayat Institute of Research and Development, Satara. 2021-22.
- 22. Delivered invited talk on Career Opportunities after B. Sc., organized by Shardabai Pawar Mahila Arts, Commerce and Science College, Baramati, 2021-22.
- 23. Delivered invited talk in One Day state level online Seminar on Career Opportunities in Physics, Mathematics and Statistics, organized by Raja Shripatrao Bhagawantrao Mahavidyalay, Aundh (Satara) 2021-22.
- 24. Delivered invited talk in One Day National Student Symposium on Empirical Advances in Science and Technology, organized by Ghali College, Gadhiglaj, 2021-22.
- 25. Delivered invited talk in Research Training programme, organized by Rayat Institute of Research and Development, Satara. 2022-23
- 26. National Conference on 'Recent Trends in Mathematics and Statistics (RTMS-2022), D. P. Bhosale College, Koregaon, Satara. (Invited Talk)

27. Delivered invited talk on Introduction to Algebra in the Department of Mathematics, Karmaveer Bhaurao Patil Mahavidyalaya, Pandharpur. (26/11/2022)

RESEARCH PAPER PRESENTED AT CONFERENCES:

International Conferences:

- 1. International Conference on recent Advances in Mathematical Sciences, organized by Calcutta Mathematical Society, Kolkata, W.B. (December-2011).
- 2. 77 th Annual Conference of Indian Mathematical Society, S. R. T. M. University, Nanded, December 27-30, 2011.
- 3. International Conference of Mathematical Sciences, Nagpur (December-2012).
- 4. 1st International Conference on Physics, Mathematics, Geology and Engineering Sciences, ITSPM'S, Arts Science and Commerce College Indapur, Pune, 18 March 2013. (Session Chaired)
- 5. 3rd International Conference on Discrete Mathematics, Karnatak University, Dharwad, June 10-14, 2013.
- 6. International Conference on Recent Advances in Mathematics, R. T. M. Nagpur University, Nagpur, January 20-23, 2014.
- 7. International Conference on Emerging Trends in Mathematical Sciences, Vijaynagara Sri Krishnadevaraya University, Bellary, Karnataka, July 25-26, 2014.
- 8. International Conference on Mathematical Sciences, S. G. M. College, Karad, Satara, September 15-16, 2015.
- 9. 84th Annual Conference of Indian Mathematical Society: An International Meet Shri Mata Vaishno Devi University, Katra, Jummu and Kashmir, November 27-30, 2018.
- 10. Two Days Online International Conference on Advances in Science and Technology, R. C. S. College, Kolhapur, March 10, 2022. (Session Chaired)
- 11. International Conference on 'Advances in Computational Sciences' at Y. C. Institute of Science, Satara, 2022.(Session Talk and Session Chaired)
- 12. International Conference on Algebra and Discrete Mathematics (ICADM 2022), Department of Mathematics, Savitribai Phule Pune University, Pune, May 26–28, 2022. (Session Chaired)

National Conferences:

- 1. Indian Mathematical Society's 73rd Annual Conference at Department of Mathematics, University of Pune, College of Engineering and Ferguson College Pun,e December 27-30, 2007.
- 2. 7th Annual Conference of Advanced Discrete Mathematics Academy, Calicut, Kerala (June-2011).
- 3. National Conference on Current Practices in Mathematics, Statistics and Actuarial Science, held at School of Mathematical Sciences, North Maharashtra University, Jalgaon, March 7-8, 2013.
- 4. National Conference on Algebra, Analysis and Fuzzy Mathematics, held at School of Mathematical Sciences, North Maharashtra University, Jalgaon, February 21-22, 2014. (Session Talk and Session Chaired)
- 5. National Conference on Recent Analysis and Applications in Discrete mathematics, Belgavi, 2015.
- 6. National Conference on Advances in Differential Equations-2018, Vivekanad College, Kolhapur. (Session Chaired)
- 7. National Conference on Recent Trends and Innovations in Research Field of Science, Humanities and Languages. at Willingdon College Sangli, 2019.
- 8. National Conference on Recent Developments in Pure and Applied Mathematics at Y. C. Institute of Science, Satara, 2019. (Session Talk and Session Chaired)
- 9. One Day Online National Conference on 'Recent Advances in Mathematics-2022, D. K. A. S. and C. College, Ichalkaranji. (Session Chaired)
- 10. National Conference on 'Recent Trends in Mathematics and Statistics (RTMS-2022), D. P. Bhosale College, Koregaon, Satara. (Invited Talk)

MEMBERSHIP/ Coordinator:

- 1. Life member of Indian Mathematical Society (IMS).
- 2. Life member of Shivaji University Mathematical Society (SUMS).
- 3. President of Shivaji University Mathematical Society (SUMS).
- 4. Member, Board of Studies of Mathematics, Shivaji University, Kolhapur (2017-2022).
- 5. Member, Board of Studies of Mathematics, Tuljaram Chaturchand College, Baramati (Autonomous) 2017-2021.
- 6. Member, Board of Studies of Mathematics, Rajarshi Shahu Mahavidyalaya, Latur (Autonomous) 2017-2021, 2021-2024
- 7. Member, Board of Studies of Mathematics, St. Mira's College for Girls, Pune. 2020-2023

- 8. Member, Board of Studies of Mathematics, Vivekanad College, Kolhapur (Autonomous) 2021-2024.
- 9. Coordinator: Ahilyadevi Holkar Adhyasan, Shivaji University, Kolhapur.
- 10. Coordinator: Online M. Sc. (Mathematics) of Distance Education, Shivaji University, Kolhapur.
- 11. Member, Board of Studies of Mathematics, K. B. P. College, Pandharpur (Autonomous) 2022-2025.

Workshops/ Conferences Conducted:

- 1. National Conference on Dynamical Systems-2013, Department of Mathematics, Shivaji University, Kolhapur, December 23-24, 2013.
- 2. UGC Sponsored Remedial Coaching for SC/ST and Minority students, Department of Mathematics, Shivaji University, Kolhapur.
- 3. UGC Sponsored Coaching for SC/ST and Minority students for NET aspirants, Department of Mathematics, Shivaji University, Kolhapur.
- 4. Workshop on Mathematical software's to M. Sc./Ph. D. Students, Department of Mathematics, Shivaji University, Kolhapur.
- 5. National Workshop on Algebra-2015, Department of Mathematics, Shivaji University, Kolhapur, December 21-26, 2015.
- 6. National Seminar on Differential Equations and Dynamical Systems-2017, Department of Mathematics, Shivaji University, Kolhapur, February 27-28, 2017.
- 7. National Workshop on Linear Algebra-2017, Department of Mathematics, Shivaji University, Kolhapur, 28 February 05 March, 2018.
- 8. 25th Annual Conference of Shivaji University Mathematics Society (SUMS) at D. P. V. P. College, Tasgoan 2019.
- 9. 26th Annual Conference of Shivaji University Mathematics Society (SUMS) at Y. C Institute of Science, Satara, 2020.
- 10.27th Annual Conference of Shivaji University Mathematics Society (SUMS) at N. B. NAVALE SINHGAD COLLEGE OF ENGINEERING, Solapur 2021.
- 11. National Conference on Mathematical Analysis and Applications- 2022, Department of Mathematics, Shivaji University, Kolhapur, March 21-22, 2022.

Workshops/ Conferences attended:

1. National Workshop on Emerging Frontiers in Combinatorial Optimization at Department of Mathematics, University of Pune, Pune, 2002.

- 2. Computational Methods in Mathematics at Department of Mathematics, University of Pune, Pune, 2003.
- 3. Four Day Training Programme in C- Language for Mathematics Teachers at Modern College, Pune, 2003.
- 4. Advanced Training in Mathematics Schools for Lecturers in Algebra and Linear Algebra (Supported by NBHM) at IIT Bombay, Powai, Mumbai. 2006.
- 5. Advanced Training in Mathematics Schools for Lecturers in Multivariate Calculus (Supported by NBHM) at Department of Mathematics, University of Pune, Pune, 2007.
- 6. Refresher Course in Mathematics at Department of Mathematics, University of Pune, Pune (March 2008).
- 7. Orientation Course at Academic Staff College, Kerala University, Thiruanantpuram, Kerala (October 2009).
- 8. Indian Mathematical Society's 76th Annual Conference at Department of Mathematics, National Institute of Technology, Surat (December-2010).
- 9. Symposium in Mathematics, Department of Mathematics, University of Pune, Pune, March 2012.
- 10. National Conference on Discrete Mathematics, Algebra and Analysis, Department of Mathematics, University of Pune, Pune, April 21-24, 2013.
- 11. Training Workshop for Administrative Staff, Post Graduate Admission Section, Shivaji University, Kolhapur, August 8, 2013.
- 12. National Conference on Dynamical Systems-2013, Department of Mathematics, Shivaji University, Kolhapur, December 23-24, 2013.
- 13. National Workshop on Algebra-2015, Department of Mathematics, Shivaji University, Kolhapur, December 21-26, 2015.
- 14. National Conference on Discrete Mathematics, Department of Mathematics, Savitribai Phule Pune University, Pune, February 20-22, 2017.
- 15. National Seminar on Differential Equations and Dynamical Systems-2017, Department of Mathematics, Shivaji University, Kolhapur, February 27-28, 2017.
- 16. Refresher Programme in Mathematical Sciences, IIT(ISM) Dhanbad, Jharkand (16 May-5 June 2017).
- 17. National Workshop on Linear Algebra and its Applications -2018, Department of Mathematics, Shivaji University, Kolhapur, 28 February 05 March, 2018.

- 18. Faculty Development Programme on Innovative Teaching and Research, UWB's Late R. N. Godbole Chair, Shivaji University, Kolhapur, March-18.
- 19. One Day WOrkshop on "Student Council Election", Department of Student Development, Shivaji University, Kolhapur 15th June, 2019.
- 20. One Day workshop on "Activities of Students' Development Cell", Department of Student Development, Shivaji University, Kolhapur 18th February, 2020.
- 21. Faculty Development Programme on Managing Online Classes and CO-Creating MOOCS, Teaching Learning Centre, Ramanujan College, University of Delhi, April 20- May 06, 2020.
- 22. Faculty Development Programme on LaTex, RMD Sinhgad School of Engineering, Warje association with IIT Bombay, (28April 2020 to 02 May 2020).
- 23. Faculty Development Programme on ICT Tools for Effective Teaching Learning, School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded (27April 2020 to 02 May 2020).
- 24.One Week Online Faculty Development Programme on "Overcoming the Challenges in Adapting Online Technology in Teaching Learning", Jhulelal Institute of Technology, Nagpur (06 May 2020 to 11 May 2020).
- 25.Online Faculty Development Programme on "Moodle Learning Management System" Willigdon College, Sangli and IIT Bombay, (23 May 2020 to 29 May 2020).
- 26. Faculty Development Programme on "Educational Video Creation (Econtent Development)", Bharati Vidhapeeth's College of Engineering, Kolhapur, (05 June 2020 to 10 June 2020).

Other Activities:

- 1. Worked as coordinator, State Level Nirmal Gram Inspection Committee.
- 2. Worked as Team manager for State Level NSS competition 'Utkarsh' at University of Pune, Pune.
- 3. Rector, Boy's Hostel, Shivaji University, Kolhapur.
- 4. Stage Coordinator (Lok Kala Kendra), National Youth Festival, Shivaji University, Kolhapur 10-14 February, 2017.

M. T. Gophane