

CURRICULUM VITAE

❖ PERSONAL DETAILS:

Name : Dr. Santaji Shrikant Khopade
Position : Head and Associate Professor,
Department of Mathematics
Karmaveer Hire Arts, Science, Commerce & Education College,
Gargoti
Phone No. : 9923069637
E-mail : santajikhopade@gmail.com.

❖ EDUCATIONAL QUALIFICATIONS:

Sr. No.	Examination	Month - Year	Board / University	Result
1.	Secondary School certificate	March 1997	Kolhapur Divisional Board	73.20 % (First Class)
2.	Higher Secondary School certificate	March 1999	Kolhapur Divisional Board	73.67 % (First Class)
3.	B. Sc. (Mathematics)	April 2002	Shivaji University	87.88 % (Aggregate) (Distinction)
4.	M. Sc. (Mathematics)	April 2004	Shivaji University	65.58 % (aggregate) (First Class)
5.	State Eligibility Test (SET)	Sept. 2009	-----	Pass
6.	Ph. D.	23 June 2017	Shivaji University	---

❖ ACADEMIC ACHIEVEMENTS:

- **Stood first in Mathematics subject** at B. Sc. III exam held in April 2002.
 - ✚ Shriman Ganapati Ramsheth Warange Award.
 - ✚ Late Vaman Vasudev Kulkarni Award.
 - ✚ Late B. S. Patil memorial Award.
- **Stood third in the general merit list** of B. Sc. (all subjects).

❖ **TEACHING EXPERIENCE:**

Sr. No.	Name of Institution	Department	Year	Duration
1	Vivekanand College, Kolhapur.	Mathematics (C.H.B.)	2004 – 2008	4 yrs.
2	Karmaveer Hire Arts, Science, Commerce and Education College, Gargoti.	Mathematics (F.T.)	19 Jan 2011 – till date	14+ yrs.

❖ **RESEARCH WORK:**

Area of Research: Lattice theory.

Research Guide: Prof. Mrs. Y. S. Pawar, Department of Mathematics, Shivaji University, Kolhapur.

Title of Thesis: **On Lattices and Trellises.**

Submitted to: Shivaji University, Kolhapur.

Awarded on: 23 June 2017

➤ **Research papers – 20 (Total)**

▪ **International level: 10**

▪ **National: 10**

➤ **Text Books – 03**

➤ **Research Guidance:**

Recognition as a research guide: Shivaji University, Kolhapur.

(Letter No.: SU/PGBUTR/Recog/5821/237/182/10371 dt.04/06/2022)

Number of Ph. D. students: 02

Working 01

Completed 01

❖ POSITIONS HELD:

Sr. No.	Position	Duration
1	Head of Mathematics Dept., K. H. College.	June 2011 to till date
2	Member of subcommittee for B. Sc. II syllabus (CBCS) of Shivaji University, Kolhapur	2018
3	Member of subcommittee for B. Sc. III syllabus (CBCS) of Shivaji University, Kolhapur	2019
4	Member of subcommittee for B. Sc. I syllabus (CBCS-NEP) of Shivaji University, Kolhapur	2021
5	Member of Board of Studies in Mathematics, Shivaji University, Kolhapur.	Aug. 2021 – Oct. 2022
6	Member of Board of Studies in Mathematics, Shivaji University, Kolhapur.	Nov. 2022 – till date
7	Member of subcommittee for B. Sc. II syllabus (CBCS-NEP) of Shivaji University, Kolhapur	2022-2023
8	Member of subcommittee for B. Sc. III syllabus (CBCS-NEP) of Shivaji University, Kolhapur	2023-2024
9	Member of subcommittee for B. Sc. I syllabus (NEP 2.0) of Shivaji University, Kolhapur	2023-2024
10	Member of subcommittee for B. Sc. II syllabus (NEP 2.0) of Shivaji University, Kolhapur	2024-2025

Annexure I

❖ **Published research articles (Total : = 17):**

1. **Special topology on a Group**, Bull. of Marathwada Math. Soc., Vol. 10, No. 1, June 2009, 32-35.
2. **Prime ideals and Relative maximal ideals in Trellises**, Bull. of Kerala Math. Association, Vol. 5, No. 1, June 2009, 81-87.
3. **On L-fuzzy sublattices**, Bull. of Kerala Math. Association, Vol. 5, No. 2, Dec. 2009, 45-54.
4. **α – ideals and annihilator ideals in 0-distributive lattices**, Acta Univ. Palacki. Olomuc. Fac. Rer. Nat., Vol. 49, 1 (2010) 65–76.
5. **Locally Maximal Ideals**, Journal of Xuzhou Normal University (Natural Sci. Edi.), Vol. 28, No. 4, Dec 2010, 13 – 16.
6. **S – fuzzy version of Stone’s theorem for distributive lattices**, Fuzzy system and Mathematics, Vol. 25, No. 4, Aug 2011, 47 – 54.
7. **Spectrum of L – fuzzy prime ideals of a distributive lattices**, Fuzzy system and Mathematics, Vol. 27, No. 1, Feb. 2013, 12 – 19.
8. **The Space of Irreducible Ideals**, Bulletin of Kerala Mathematics Association, Vol. 10, No. 2, Dec. 2014, 65 – 71.
9. **Spectrum of Fuzzy prime filters of a 0 – distributive lattice**, Malaya Journal of Matematik, 3(4), (2015), 591–597.
10. **Relative Maximal Ideals**, Emerging Trends in Basic and Applied Sciences (Book Chapter 22), 1 (2015), 133 – 139. (ISBN: 978-93-5212-826-6)
11. **σ – ideals in a 0 – 1 Distributive lattice**, Asian European Journal of Mathematics, Vol. 9, No. 1 (2016).
12. **Reticulation of 0 – distributive lattices by fuzzy prime spectrum**, Annals of Fuzzy Mathematics and Informatics, Vol. 12, No. 2 (2016), 165 – 173.
13. **Epimorphisms and Ideals of Distributive Nearlattices**, Annals of Pure and Applied Mathematics, Vol. 18, No. 2 (2018), 175 – 179.

14. **1 – Distributive Complemented \wedge - semilattices**, International Journal of Research and Analytical Reviews (IJRAR), Vol. 6, No. 1, (March 2019) , 150 – 155
15. **Annihilators and indexed annihilators in Almost Distributive Lattices**, AJANTA, Vol. VIII, Issue 1, Jan – Mar 2019, 17-24.
16. **Extension ideals and Closure operator in a 0-Distributive lattice**, Acta Universitatis Matthiae Belii, series Mathematics (online), Issue 2020, Pages 112-119.
17. **Annihilator semi-ideals in a semilattice**, Research Trends in Mathematical and Statistical Sciences (Book Chapter and Editor), Pg. 71 – 82, 2021.
18. **Closure operator and α - ideals in 0 – distributive lattices**, Jnanabha, 54 (1), 313 – 319, 2024.
19. **Prime and Maximal spectra of Almost Distributive Lattices and 0 – Distributive Lattices**, Journal of Scientific Research, Accepted for publication in September issue, 2025.
20. **Decomposable and strongly decomposable almost distributive lattices**, Discussiones Mathematicae General Algebra and Applications, Accepted (2025)

Books – Total: 09

Year-Month	Title of Book or Book chapter	Publication details	ISBN
2019-12	Real Analysis II and Algebra II (Text Book for B. Sc. II, Sem IV)	Nirali Prakashan, Pune.	978-93-89825-14-5
2022-09	Differential Equations (Text Book for B. Sc. I, Sem I)	Nirali Prakashan, Pune.	978-93-5451-816-7
2022-10	Calculus (Text Book for B. Sc. I, Sem I)	Nirali Prakashan, Pune.	978-93-5451-816-4
2023-04	Multivariable Calculus (Text Book for B. Sc. I, Sem II)	Nirali Prakashan, Pune.	978-81-19115-40-2
2023-04	Basic Algebra (Text Book for B. Sc. I, Sem II)	Nirali Prakashan, Pune.	978-81-19115-37-2
2023-08	Elements of Differential Equations (Text Book for B. Sc. II, Sem III)	Nirali Prakashan, Pune.	978-81-19117-69-7
2023-09	Numerical Methods (Text Book for B. Sc. II, Sem III)	Nirali Prakashan, Pune.	978-81-19117-68-0
2024-01	Vector Calculus (Text Book for B. Sc. II, Sem IV)	Nirali Prakashan, Pune.	978-93-6109-277-0
2024-01	Integral Calculus (Text Book for B. Sc. II, Sem IV)	Nirali Prakashan, Pune.	978-93-6109-848-2
2024-09	Basic Algebra (NEP 2.0) (Text Book for B. Sc. I, Sem I)	Nirali Prakashan, Pune.	978-93-6109-207-7
2024-09	Calculus (NEP 2.0) (Text Book for B. Sc. I, Sem I)	Nirali Prakashan, Pune.	978-93-6109-081-3
2025-01	Differential Equations – I (Text Book for B. Sc. I, Sem II)	Nirali Prakashan, Pune.	978-93-6109-918-2
2025-02	Discrete Mathematics (Text Book for B. Sc. I, Sem II)	Nirali Prakashan, Pune.	978-93-6109-544-3