



1. Name : **DR. SACHIN BHANUDAS BALLAL**
2. Designation: **Associate Professor**
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5. Experience:

Sr. No.	Position	Institute	From	To	Pay Scale (Rs.)/ Pay Band(AGP)
1	Lecturer	Z. B. Patil College, Dhule	29.07.2008	13.11.2008	8000-275-13500
2.	Assistant Professor	S. P. Pune University	14.11.2008	13.11.2014	15600-39100(6000)
3.	Assistant Professor	S. P. Pune University	14.11.2014	13.11.2019	15600-39100(7000)
4.	Assistant Professor	S. P. Pune University	14.11.2019	30.06.2022	79800-211500 (Academic Level-12)
5.	Associate Professor	Hyderabad University	01.07.2022	Till Date	1,31,400-2,17,100 (Academic Level-13(A))

6. Achievements/Awards etc:

Sr. No.	Name of the Award	Organization	Year
1	First Prize and Best Paper Presentation Award in Pure Mathematics	VIJNANA PARISHAD OF INDIA	2018
2	Padamshri Late N. S. Venkateshan GOLD MEDAL for best Ph. D. Thesis in Mathematics for the year 2015-16	SAVITRIBAI PHULE PUNE UNIVERSITY	2016

7. Publications

1. On Generalization of Prime, Weakly Prime and Almost Prime Elements in Multiplicative Lattices, International Journal of Algebra, 8(9)(2014), 439-449 (with Vilas Kharat)
2. On Phi-Absorbing Primary Elements in Lattice Modules, Algebra (2015) (183930) 6 pages DOI 10.1155/2015/183930 (with Vilas Kharat)
3. A Note on n-Baer Multiplicative Lattices, Southeast Asian Bulletin of Mathematics, 39(2015), 67-76 (with Vinayak Joshi) UGC-CARE List, WoS
4. Zariski Topology on Lattice modules, Asian European Journal of Mathematics, 08,1550066 (2015) 10 pages DOI 10.1142/S1793557115500067 (with Vilas Kharat) UGC-CARE List, Scopus
5. On Weakly Primary Elements in Multiplicative Lattices, Southeast Asian Bulletin of Mathematics, 40(1) (2016), 49 - 57 (with Machchindra Gophane and Vilas Kharat) UGC-CARE List, WoS
6. On the Second Spectrum of Lattice Modules, Discussiones Mathematicae -General Algebra and Applications, 37 (1)(2017), 59-74 (With N. Phadatare and Vilas Kharat) UGC-CARE List, Scopus
7. On minimal spectrum of multiplication lattice modules” Mathematica Bohemica, 1(144)(2018), 85-97 (with Vilas Kharat) I.F. 3.643 UGC-CARE List, WoS, Scopus

8. Semi-complement graph of lattice modules, *Soft Computing*, 23(12)2019, 3973-3978 (2018) (With N. Phadatare and Vilas Kharat) UGC-CARE List, Scopus
9. On the Graph of Multiplication Lattice Modules, *Eurasian Bulletin of Mathematics*, 1(3)(2018), 117-125 (With N. Phadatare and Vilas Kharat)
10. On the Maximal Spectrum of Lattice Modules, *Southeast Asian Bulletin of Mathematics*, 44 (2020), 105-117 (with Narayan Phadatare and Vilas Kharat) UGC-CARE List, WoS
11. Associated graphs of le-modules, *International Journal of Next-Generation Computing*, 12(2) (2021), 280-290 (with Sadashiv Puranik and Vilas Kharat) UGC-CARE List, WoS
12. On the Quasi-Prime Spectrum of Lattice Modules (With Narayan Phadatare and Vilas Kharat) **(Communicated)**
- 13. Forbidden structure characterizations of deletable elements in finite lattices (With Machchhindra Gophane, R. S. Shewale, Manish Agalave, and Vilas Kharat) (Communicated)*
14. On the Structures and Substructures of Subgroup Lattices" (With Shrawani Mitkari and Vilas Kharat) **(Communicated)**

8. Resource Person/ Expert /Chaired Session etc.

- a. **Chaired** a Technical Session at **1st International Conference on Physics, Mathematics, Geology and Engineering Sciences**, held on 18th March, 2013 at Hotel Aurora Towers, Pune.
- b. **Judge** for IRIS National Fair, a competition of young innovators, held at IISER Pune from 22nd to 23rd Dec., 2016.
- c. **Resource Person** in “One Day Workshop on B. C. A. (Science) Curricula” held at Department of Computer Science, Savitribai Phule Pune University on 18th October, 2016.
- d. **Member Expert** in the workshop conducted by “Commission of Scientific and Terminology”, Ministry of Human Resource Development (Dept. of Higher Education) for “Trilingual glossary (English-Hindi-Marathi)” in Mathematics, held at Department of Mathematics, Savitribai Phule Pune University, during 11-15 October, 2017.
- e. **Chaired** a Technical Session at the national conference on Recent Developments in Pure and Applied Mathematics (NCRDPAM-2019), held at Y. C. Institute of Science, Satara during 26-27 February, 2019.
- f. **Resource Person** at Regional Conference on Advances in Mathematics, held at Padambhushan Dr. Vasantraodada Patil Mahavidhyalaya, Tasgaon, Sangli during 01 to 02 February, 2019.
- g. **Keynote Speaker** in Lead College Workshop on “Applications of Algebra” on 28th June 2021 at Shri Shivaji Chatrapati Mahavidyalaya, Kolhapur.
- h. **Chaired** a Technical Session at the National e-conference “Recent Trends in Pure and Applied Mathematics” on 24th July 2021 organized by Department of General Science and Engineering, N. B. Nawale Sinhgad College of Engineering, Solapur

9. Organization of Conferences/ Workshops etc.

1. **Co-ordinator:** NET/SET Workshop for students from 17th to 23rd May, 2012 held at Department of Mathematics, University of Pune, Pune
2. **Co-ordinator:** National workshop on “LaTeX Software”, from 11th to 16th November, 2013 held at Department of Mathematics, University of Pune, Pune
3. **Coordinator:** Workshop on “Project Execution using Agile Methodology”, from 19 to 26 December, 2016 held at Department of Mathematics, Savitribai Phule Pune University, Pune
4. **Member:** 87th Annual Session of the National Academy of Sciences, India held at Savitribai Phule Pune University, Pune during 08-10 December, 2017
5. **Member:** International conference on “Algebra and Analysis”, held at Department of Mathematics, Savitribai Phule Pune University during 19-22 December, 2017
6. **Co-convenor:** State level workshop on “Mathematics for Industry” from 05 to 06 October, 2018 held at Department of Mathematics, Savitribai Phule Pune University, Pune.
7. **Coordinator:** Workshop on “Machine Learning Using R” from 18 to 19 January, 2019 held at Centre for Modeling and simulation, Savitribai Phule Pune University, Pune.
8. **Member:** Workshop on “Algebra and its applications” from 26 to 27 February, 2019 held at Department of Mathematics, Savitribai Phule Pune University, Pune.
9. **Secretary:** Faculty Development Programme on “Some Aspects of Computational Mathematics” Jointly organized by Department of Computer Science and Department of Mathematics, Savitribai Phule Pune University, Pune from 10th to 14th December, 2019.
10. **Coordinator:** Two days workshop on “MATLAB”, from 06 to 07 March, 2020 held at Department of Mathematics, Savitribai Phule Pune University, Pune.
11. **Member:** International conference on Convergence of smart technologies (IC2ST-2021)”, on 9th and 10th January, 2021 held at Pune.