

Curriculum Vitae



Name: Santosh Shashikant Sutar
Gender: Male
Nationality: Indian
Date of Birth: 11th November, 1986
Birth Place: Karad, District- Satara, Maharashtra, India
Marital status: Married
Present Designation: Assistant Director / Assistant professor,
Yashwantrao Chavan School of Rural Development (YCSR),
Shivaji University, Kolhapur.
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Communication Address: Yashwantrao Chavan School of Rural Development (YCSR),
Vidyanagar, Shivaji University, Kolhapur, (M.S.) 416 004.
Languages Known: English, Marathi and Hindi.
Statistical Software: R-SOFTWARE, SPSS, MINITAB and MATHEMATICA

Academic Details :-

Examination	Year	Board/University	Percentage	Class
* Ph.D. (Statistics)	May 2018	Savitribai Phule Pune University, Pune	-	-
SET (Mathematical Sciences)	Nov, 2011	Savitribai Phule Pune University, Pune	-	-
M.Sc. (Statistics)	2007-09	Shivaji University, Kolhapur	73.38 (Aggregate)	Distinction
B.Sc. (Statistics)	2004-07	Shivaji University, Kolhapur	77.56 (Aggregate)	Distinction
Higher Secondary Certificate	2003-04	Maharashtra State Board	68.67	First
Secondary School Certificate	2001-02	Maharashtra State Board	73.86	First

* Ph. D. Details:

Topic: 'Modeling and Analysis of Load Sharing Phenomenon'

Guide: Prof. T. V. Ramanathan,

Department of Statistics, Savitribai Phule Pune University, Pune.

Date of Declaration: 11th May, 2018.

- **Area of Research:** Survival Analysis and Reliability Theory, Machine Learning and Data Mining, Topics related to Rural Development.

Achievement/Awards:-

- 1) Received 'Prerana Purskar 2019-20' from Atmaram Vidya Mandir, Ogalewadi, Karad, Maharashtra on 11th January, 2020.
- 2) Received 'Dr. M. N. Das Memorial Young Scientist Merit Certificate - 2019' from Society of Statistics, Computer and Applications (SSCA) during 21st Annual Conference of SSCA at S.V. Agricultural College, ANGRAU, Tirupati, Andhra Pradesh, India held during 29-31 January, 2019.
- 3) Received 'Indian Statistical Association Student and New Researcher Travel Award' in International Conference on Computer Age Statistics in the Era of Big and High Dimensional Data organized by Department of Statistics, Savitribai Phule Pune University, Pune during 3-5 January, 2019.
- 4) Received 'Prof. T. S. K. Moothathu Young Statistician Award-2018' for best Ph.D. thesis during 'Fourth International Conference on Statistics for Twenty-first Century-2018 (ICSTIC-2018)' organized by Department of Statistics, University of Kerala, Trivandrum, Kerala during 13-15, December 2018.
- 5) Received 'SAS Best Paper Award in Theory Section' for research article in 'National Conference for Women in Statistics and Analytics' organized by Department of Statistics, Savitribai Phule Pune University, Pune during 14th -16th February, 2018.

Fellowships/Scholarships:-

- Recipient of 'UGC Research Fellowships in Science for Meritorious Students' (2011-14) from UGC, New Delhi.

Research Projects:-

- 1) Major Research Project entitled, 'Load Sharing Systems: Reliability Modeling, Inference Procedures and Applications' (CRG/2021/005672/MS) funded by 'Department of Science and Technology (DST)- Science and Engineering Research Board (SERB)' under 'Core Research Grant (CRG)' (Amount Sanctioned Rs. 21,00,219/-)
- 2) Research Project entitled 'Load Sharing Models: Some New Developments' under 'Research Initiation Scheme-2018' funded by Shivaji University, Kolhapur.
- 3) Research Project entitled 'A Study on Empowering Women through Financial Education: Special Reference to Kolhapur' funded by Maharashtra State Women Commission, Mumbai.
- 4) Research Project entitled 'A Statistical Analysis of Usage of Digital Payment Methods: A Special Reference to Shivaji University, Kolhapur' funded by 'The United Western Bank's Late R. N. Godbole Chair, Shivaji University, Kolhapur.

Publications:-

A. Research Papers Published in Journals:

1. **Title:** 'Accelerated Failure Time Models for Load Sharing Systems'.
Journal: *IEEE Transactions on Reliability* 63(3): 706-714 (2014).
(with U. V. Naik-Nimbalkar).
2. **Title:** 'Model for k-out-of-m Load Sharing Systems'.
Journal: *Communications in Statistics-Theory and Methods* 45 (20), 5946-5960 (2016).
(with U. V. Naik-Nimbalkar).

3. **Title:** ‘Parameter Estimation of the Modified Weibull Distribution Using Monte Carlo Expectation Maximization Algorithm’.
Journal: *Model Assisted Statistics and Applications* 11 (2), 171-178 (2016).
4. **Title:** ‘Optimization of Variants of LMS Algorithm for Adaptive Noise Cancellation’
Journal: *International Journal of Automatic Control System*, 2 (1): 18-31 (2016).
(with Saurabh R. Prasad and Yashwant V. Joshi)
5. **Title:** ‘Time and Frequency Domain Analysis of Memristor Based Series and Parallel RLCM Circuits’
Journal: *Journal of Telecommunication, Electronic and Computer Engineering*, 9 (2): 47-51 (2017).
(with T. D. Dongale, A. R. Chavan, A. M. Mane, Ch. K. Volos, P. K. Gaikwad, R. K. Kamat)
6. **Title:** ‘On Measuring the Multidimensional Poverty of Rajendranagar Area of Kolhapur City’
Journal: *Contemporary Social Sciences*, 27 (02): 199-206 (2018)
7. **Title:** ‘A load share model for non-identical components of a k-out-of-m system’.
Journal: *Applied Mathematical Modelling*, 72, 486-498(2019).
(with U. V. Naik-Nimbalkar).
8. **Title:** ‘Likelihood ratio test and non-parametric test for load sharing’
Journal: *Austrian Journal of Statistics* 50(1), 41-58 (2021))
9. **Title:** Antimicrobial Synergy of Silver-Platinum Nanohybrids With Antibiotics
Journal: *Frontiers in Microbiology*, 11, 1-12 (2021).
(With Bansi Ranpariya, Gayatri Salunke, Srikanta Karmakar, Kaushik Babiya, Narendra Kadoo, Pathik Kumbhakar, Sougata Ghosh)
10. **Title:** A Study on Digital Pedagogy for School Teachers: Special Reference to Kolhapur
Journal: *International Journal of Emerging Technologies and Innovative Research*, 8(4), 457-463(2021).
(With Vaishali P. Bhosale)
11. **Title:** Analysis and Prediction of Hydrothermally Synthesized ZnO-Based Dye-Sensitized Solar Cell Properties Using Statistical and Machine-Learning Techniques
Journal: *ACS Omega* (6)44, 29982–29992 (2021).
(With Suvarna M. Patil, Sunil J. Kadam, Rajanish K. Kamat, Deok-kee Kim, and Tukaram D. Dongale).
12. **Title:** Binder-Free Synthesis of Nanostructured Amorphous Cobalt Phosphate for Resistive Memory and Artificial Synaptic Device Applications
Journal: *ACS Applied Electronic Materials* (2022). <https://doi.org/10.1021/acsaelm.2c00085>
(With Pranav K. Katkar, Navnath S. Padalkar, Dhananjay D. Kumbhar, Aravind H. Patil, Sunil J. Kadam, Rajanish K. Kamat, Seung-Hyun Chun, Tukaram D. Dongale).

B. Research Papers Published in Conference Proceeding

1. **Title:** ‘Challenges before Consumers’ Co-operative Societies in India’
(*Proceeding of National Seminar on “Strengthening of Co-operative Sector in India” Sponsored by Indian Council of Social Science” at organized by Yashwantrao Chavan School of Rural Development, Shivaji University, Kolhapur during 16th -17th March, 2018, ISBN: ISBN: 978-81-8486-693-3).*
2. **Title:** ‘Green Economy: Ideal Livelihood Model for Sustainable Development’
(*Proceeding of Two-Day National Conference on “Rural Livelihood Models for Sustainable Development” at organized by Yashwantrao Chavan School of Rural Development, Shivaji University, Kolhapur during 14th -15th September, 2017, ISBN: 978-81-8486-575-2) (with Vishal V. Ovhal).*

Other Activities:-

- Presented Papers in more than 20 International/National/Conferences/Workshops etc.
- Invited/Guest lectures on topics related to Statistics in 22 workshops/Lectures series.
- Attended in more than 20 international/ national workshops, conferences, seminar etc.
- Teaching experience: 9 years.
- Research Experience: 10 years.
- Projects Guidance: 14 (Mater of Rural Studies (MRS), YCSR, SUK)

Orientation and Refresher Programme undergone:-

- 1) UGC Sponsored ‘Refresher Course in Statistics’ during 25/02/2020 to 09/03/2020 organized by Department of Statistics, Shivaji University, Kolhapur funded by UGC-HRDC, Savitribai Phule Pune University, Pune.
- 2) MHRD, Govt. of India under the Scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) funded Five-day Workshop on “Enhancing of Teaching and Learning Skills in Statistics” organized by you at Teaching Learning Center, Central University of Rajasthan, Bandarsindri on 12th -16th March, 2019.
- 3) UGC Sponsored ‘Special Winter School (equivalent to Refresher Programme) in Computational Mathematics (Statistics)’ conducted at Department of Mathematics, Savitribai Phule Pune University, Pune by University Grants Commission- Human Resource Development Centre (UGC-HRDC), Savitribai Phule Pune University, Pune during 6th November, 2017 to 26th November, 2017.
- 4) RUSA Sponsored ‘Orientation Programme’ conducted by University Grants Commission- Human Resource Development Centre (UGC-HRDC), University of Mumbai, Mumbai during 4th November, 2016 to 1st December, 2016.

Memberships of Associations:-

1. International Indian Statistical Association (IISA)
2. Indian Statistical Association (ISA)
3. Indian Society of Probability and Statistic (ISPS)
4. Shivaji University Postgraduate Teachers Association (SUPTA)
5. Shivaji University Statistics Teachers Association (SUSTA)