



## DEEPAK MAHADEO SAKATE

Professor  
Department of Statistics and Applied Mathematics  
Central University of Tamil Nadu  
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### *Educational Background*

- Ph.D. (Statistics) Shivaji University, Kolhapur, India, 2014  
Title: On Subset Selection in Regression for Count Data  
Guide: Dr. D. N. Kashid
- M.Sc. (Statistics) Shivaji University, Kolhapur, India, 2009
- B.Sc. (Statistics) Shivaji University, Kolhapur, India, 2006

### *Other Qualification*

- Qualified National Eligibility Test (NET) for Lectureship conducted by CSIR-UGC, India, Dec. 2008.

### *Professional Experience*

- **Professor:** July 2023 till date. Department of Statistics and Applied Mathematics, Central University of Tamil Nadu, Thiruvavur, India.
- **Associate Professor:** Dec. 2019 to July 2023. Department of Statistics and Applied Mathematics, Central University of Tamil Nadu, Thiruvavur, India.
- **Assistant Professor:** Dec. 2010 to Dec. 2019. Department of Statistics, Shivaji University, Kolhapur, India (MS).
- **Postdoctoral Fellow:** Aug. 2015 to July, 2016. Department of Biostatistics and Epidemiology, Augusta University, Augusta, USA (GA)
- **Assistant Professor:** Dec. 2009 to Dec. 2010. Department of Statistics, School of Mathematical Sciences, North Maharashtra University, Jalgaon, India (MS).

### *Administrative Responsibilities held*

- Head of the Department: Aug. 2021 to Aug. 2024. Department of Statistics and Applied Mathematics, Central University of Tamil Nadu, Thiruvavur, India (TN)
- Coordinator: Post Graduate Diploma in Actuarial Science, Shivaji University, Kolhapur (AY 2014-15)
- Coordinator: M.Phil./Ph.D. (Statistics) Programme, Shivaji University, Kolhapur (AY 2018-19)
- Task Force Committee Member: International Affairs Cell, Shivaji University, Kolhapur (2016-19)

### Academic Council and Board of Studies

- Member, Academic Council, Central University of Tamil Nadu (Aug. 2021 to Aug. 2024)
- Chairman, BOS, Department of Statistics and Applied Mathematics, Central University of Tamil Nadu (Aug. 2021 to Aug. 2024).
- Member, BOS in Statistics, Dhananjayrao Gadgil College of Commerce, Satara (Autonomous College) (Oct. 2020 till date).
- Member, BOS in Statistics, Sadguru Gadage Maharaj College, Karad (Autonomous College) (June 2021 till date).
- Member, BOS in Statistics, Yashavantrao Chavan Institute of Science, Satara (Autonomous College) (Oct. 2022 till date).

### Research Interests

- Robust estimation and model selection in Regression
- Nonparametric Inference
- Machine Learning

### Research Guidance

Ph.D. Awarded: 01

1. Ms. Rajashri Laxman Salamwade, Title: On Variable selection in Poisson Regression and its Variants, Registered: 1 July, 2018; Awarded: 17 July, 2023.

Ph.D. Students working: 01

### Research Papers Published

1. Shukla, A., & Sakate, D. M. (2023). Scholarly Communications on “Mizo” in Global Context: A Scientometric Analysis through Scopus. *Journal of Indian Library Association Now Available at <https://journal.ilaindia.net/>*, 59(3).
2. Vanjare, S. R., & Sakate, D. M. (2022). Consistent variable selection using R2 criterion in generalized linear models. *International Journal of Agricultural and Statistical Sciences*, 18 (2), 467-473. **SCOPUS** **WoS**  
<https://connectjournals.com/03899.2022.18.467>
3. Kulkarni, S., Kurane, A., & Sakate, D. (2022). Impulse Oscillometry System for the Diagnosis of Wheezing Episode in Children in Office Practice. *Journal of Asthma and Allergy*, 15, 353. **IF: 3.2** **SCOPUS** **WoS**  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8935627>

4. Salamwade, R. L. and Sakate, D. M. (2021). Comparison of Variable Selection Methods in Zero-Inflated Models. *International Journal of Agricultural and Statistical Sciences*, 17 (2), 443-451. **SCOPUS** **WoS**  
<https://connectjournals.com/03899.2021.17.443>.
5. Salamwade, R. L., and Sakate, D. M. (2022) Robust variable selection via penalized MT-estimator in generalized linear models, *Communications in Statistics - Theory and Methods*, 51:22, 8053-8065, DOI: 10.1080/03610926.2021.1887240.  
**IF: 0.8** **SCOPUS** **WoS** **SCI-Expanded**  
<https://www.tandfonline.com/doi/full/10.1080/03610926.2021.1887240>
6. Sun, J., Sakate, D.M., and Mathur, S. (2021). A nonparametric procedure for changepoint detection in linear regression. *Communications in Statistics-Theory and Methods*, 50(8), 1925-1935. **IF: 0.8** **SCOPUS** **WoS** **SCI-Expanded**  
<https://www.tandfonline.com/doi/full/10.1080/03610926.2019.1657453>
7. Patel, S. B., Attar, U. A., Sakate, D. M., and Ghane, S. G. (2020). Efficient extraction of cucurbitacins from *Diplocyclos palmatus* (L.) C. Jeffrey: Optimization using response surface methodology, extraction methods and study of some important bioactivities. *Scientific reports*, 10(1), 1-12. **IF: 4.996** **SCOPUS** **WoS** **SCI-Expanded**  
<https://www.nature.com/articles/s41598-020-58924-5>
8. Kamble T. S., Kashid D. N. and Sakate D. M. (2019) Consistent and robust variable selection in regression based on Wald test, *Communications in Statistics - Theory and Methods*, 48 (8), 1981-2000. **IF: 0.8** **SCOPUS** **WoS** **SCI-Expanded**  
<https://www.tandfonline.com/doi/full/10.1080/03610926.2018.1440598>
9. Koli, R. R., Phadatare, M. R., Sinha, B. B., Sakate, D. M., Ghule, A. V., Ghodake, G. S., ... & Fulari, V. J. (2019). Gram bean extract-mediated synthesis of Fe<sub>3</sub>O<sub>4</sub> nanoparticles for tuning the magneto-structural properties that influence the hyperthermia performance. *Journal of the Taiwan Institute of Chemical Engineers*, 95, 357-368.  
**IF: 5.7** **SCOPUS** **WoS** **SCI-Expanded**  
<https://www.sciencedirect.com/science/article/abs/pii/S1876107018304437>
10. Desai S. S., Kashid D. N. and Sakate D. M. (2018) Subset Selection in Nonlinear Poisson Regression using Support Vector Regression: A Simulation Study, *International Journal of Agricultural and Statistical Sciences*, 14 (1), 13-22.  
**SCOPUS** **WoS**  
[https://connectjournals.com/toc2.php?abstract=2833901H\\_13-22a.pdf&&bookmark=CJ-033252&&issue\\_id=01&&yaer=](https://connectjournals.com/toc2.php?abstract=2833901H_13-22a.pdf&&bookmark=CJ-033252&&issue_id=01&&yaer=)
11. Salamwade, R. L., Sakate D. M. and Mathur S. K. (2018)  $\phi$ -Divergence loss based Artificial Neural Network, *Journal of Modern Applied Statistical Methods*, 17 (2), 7.  
**SCOPUS** **WoS**  
<https://digitalcommons.wayne.edu/jmasm/vol17/iss2/7/>

12. Mathur, S. K., and Sakate, D. M. (2017). A new test for two-sample location problem based on empirical distribution function. *Communications in Statistics-Theory and Methods*, 46 (24), 12345-12355. IF: 0.8 SCOPUS WoS SCI-Expanded  
<https://www.tandfonline.com/doi/full/10.1080/03610926.2017.1295158>
13. Sakate D. M. and Kashid D. N. (2016) A New Robust Model Selection Method in GLM with Application to Ecological Data, *Environmental Systems Research*, 5:9.  
<https://link.springer.com/article/10.1186/s40068-016-0060-7>
14. Sakate D. M. and Kashid D. N. (2014) Comparison of Estimators in GLM with Binary Data, *Journal of Modern Applied Statistical Methods*, 13 (2), 185-200. SCOPUS WoS  
<https://digitalcommons.wayne.edu/cgi/viewcontent.cgi?article=1970&context=jmasm>
15. Sakate D. M. and Kashid D. N. (2014) A Deviance-Based Criterion for Model Selection in GLM, *Statistics: A Journal of Theoretical and Applied Statistics*, 48 (1), 34-48. IF: 1.9 SCOPUS WoS SCI  
<https://www.tandfonline.com/doi/full/10.1080/02331888.2012.708035>
16. Sakate D. M. and Kashid D. N. (2013) Variable Selection via Penalized Minimum  $\phi$ -Divergence Estimation in Generalized Linear models with Binary Data, *Journal of Applied Statistics*, 41 (6), 1233-1246. IF: 1.5 SCOPUS WoS SCI  
<https://www.tandfonline.com/doi/full/10.1080/02664763.2013.864262>
17. Sakate D. M. and Kashid D. N. (2013). Model selection in GLM based on the distribution function criterion, *Model Assisted Statistics and Applications*, 8(4), 321-332. SCOPUS  
<https://content.iospress.com/articles/model-assisted-statistics-and-applications/mas00270>
18. Sakate D. M. Kashid D. N. and Shirke D. T. (2011). Subset Selection in Poisson Regression, *Journal of Statistical Theory and Practice*, 5(2), 207-219. SCOPUS WoS  
<https://www.tandfonline.com/doi/abs/10.1080/15598608.2011.10412024>

### Research Papers in Conference Proceedings/Edited Book

1. D. Mahidhar, Mohammad Jafreen, N. B. S. Prabhakar, and D.M. Sakate (2023). Effects of COVID-19 Lockdown on Air Quality and Noise Frequency in Chennai Region. In *Statistics and Data Science*, Rajmane, M. M., Mahajan, S. V., and Patil, S. P. (Editors), Prarup Publications, Kolhapur, Conference Proceedings of 3rd International Conference on Statistics and Data Science 2023, organized by SGM College, Karad, pp. 256-263, ISBN: 978-81-956739-9-5.
2. Mathur S. K., Sakate D. M. and Datta S. (2016) A new scale-invariant nonparametric test for two-sample bivariate location problem with application. In *Robust Rank-Based and Nonparametric Methods*, Springer Proceedings in Mathematics & Statistics, 168, R.Y. Liu, J.W. McKean (eds.), 175-187. SCOPUS WoS  
[https://link.springer.com/chapter/10.1007/978-3-319-39065-9\\_10](https://link.springer.com/chapter/10.1007/978-3-319-39065-9_10)

### *Major Research Project*

1. Variable Selection in Zero Inflated Models for regression Analysis of Count Data, PI- Dr. D. M. Sakate, Funding Agency: DST-SERB under EEQ Scheme, Amount Mobilized: Rs. 16.91 Lakh, Duration: 07/03/2018 to 06/03/2021.

### *Worked as a reviewer for:*

- Statistics in Medicine
- SAR and QSAR in Environmental Research
- Journal of Applied Statistics
- Communications in Statistics: Theory and Methods
- Model Assisted Statistics and Applications
- Current World Environment
- Journal of Indian Statistical Association
- South East Asian Journal of Mathematics and Mathematical Sciences

### *Membership of academic bodies*

- Life Member, International Indian Statistical Association (IISA)
- Life Member, Indian Society for probability and Statistics (ISPS)
- Life Member, Shivaji University Statistics Teachers Association (SUSTA) (Member, Executive body of SUSTA)
- Fellow, Royal Statistical Society, UK (Membership no: 220298) Since, Feb. 2024.

### *Invited Talks in Conferences / Workshops*

1. Delivered an invited talk on “Consistent Variable Selection Methods in GLM” in National Conference on Recent Trends in Mathematical Sciences, organized by Department of Statistics and Department of Mathematics, YCIS, Satara, MS., during 18-19 March, 2024.
2. Delivered a special talk on “Generalized Linear Models”, organized by Department of Statistics, SGM College, Karad, MS on 29 Feb, 2024.
3. Delivered an invited talk on, “Qualitative and Quantitative Research Methods” on 24 Jan, 2024, in a TEN days Research methodology Course for M.Phil./Ph.D./ PDF research scholars in social sciences organized by Department of Library and Information Science and Department of Political Science & Public Administration Annamalai University, Annamalai, Tamil Nadu during 22 Jan. to 31 Jan., 2024.
4. Delivered an invited talk on “Nonparametric tests for two sample location problem based on ranked set sampling” in National Conference on Statistics and Its Applications (NCSA-2023) organized by Dr. Ganpatrao Deshmukh Mahavidyalaya, Sangola on 6<sup>th</sup> July, 2023.
5. Delivered a Plenary Talk on “Regression Models in Medical Research” in 40th Annual National Conference of Indian Society for Medical Statistics organized by Department of Community Medicine, Krishna Institute of Medical Sciences, Karad, Satara, Maharashtra during 24-26 Nov. 2022.

6. Delivered an invited talk on, "Quantitative Research Methods-I" on 11 November, 2022, in a Twelve days Capacity Building Program for Young Social Science Faculty Members during 07-18 November 2022 jointly organized by Department of Political Science & Public Administration and the University Library, Annamalai University, Annamalai, Tamil Nadu.
7. Delivered an invited talk on, "Quantitative Research Methods-II" on 11 November, 2022, in a Twelve days Capacity Building Program for Young Social Science Faculty Members during 07-18 November 2022 jointly organized by Department of Political Science & Public Administration and the University Library, Annamalai University, Annamalai, Tamil Nadu.
8. Delivered an invited Talk on "Challenges in Count Data Regression", in the International Conference on 'Advances in Computational Sciences (ICACS- 2022)" during 20-21 May, 2022 organized by Yashavantrao Chavan Institute of Science, Satara (MH).
9. Delivered an invited talk on, "Quantitative Research Methods-I" on 23 March, 2022, in a Ten days Research Methodology Workshop for M.Phil/Ph.D/PDF Scholars during 23rd March to 1st April 2022 organized by University Library and the Department of Political Science & Public Administration, Annamalai University, Annamalai, Tamil Nadu.
10. Delivered an invited talk on, "Quantitative Research Methods-II" on 23 March, 2022, in a Ten days Research Methodology Workshop for M.Phil/Ph.D/PDF Scholars during 23rd March to 1st April 2022 organized by University Library and the Department of Political Science & Public Administration, Annamalai University, Annamalai, Tamil Nadu.
11. Delivered an Invited Talk on "Nonparametric Tests based on Ranked Set Sampling" in International Conference on Science and Technology (ICAST 2022) during 9-10 March, 2022 organized by Rajarshi Chhatrapati Shahu College, Kolhapur, Maharashtra.
12. Delivered an invited talk on "Data Science: An Introduction & It's Applications" in One Day National Webinar on Data Science: An Introduction & It's Applications, organized by Dahiwadi College, Dahiwadi, Maharashtra on 25 January, 2022.
13. Delivered an Invited Talk on "Robust Variable Selection in Regression Models for Count Data" in the two days International Conference on Recent Advances in Statistics (ICRAS-2021) during 11-12 October 2021 organized by the Department of Statistics, Sadguru Gadage Maharaj College, Karad, Maharashtra.
14. Delivered an invited talk on "Why Statistical Modelling?" in "Online Student Induction Programme" during 29 Sept. to 1 Oct. 2021 organized by Department of Statistics, Savitribai Phule Pune University, Pune.
15. Delivered an invited talk on "Regression Analysis" in Faculty Development Programme on "Research Methodology and Data Analysis" under UGC PARAMARSH scheme 2020- 21 with certification from Faculty Development Centre (PMMMNTT), UGC-HRDC, SPPU Pune, during 13-18 September, 2021 organized by Sadguru Gadage Maharaj College, Karad (An Autonomous College).

16. Delivered an invited talk on “Linear and Generalized Linear Models using R”, in “National Workshop on Statistical Computing Using R” during 15-17 September, 2021, organized by Department of Statistics and Applied Mathematics, Central University of Tamil Nadu, Thiruvavur, India (TN).
17. Delivered an invited talk on “Introduction to Data Analytics”, in One Week National Workshop On Data Analytics using Python” from 9 to 15 August, 2021 under Research Capacity Building UGC STRIDE Scheme, UGC, New Delhi organized by KTHM College, Nashik.
18. Delivered an invited talk on “Introduction to Python”, in One Week National Workshop On Data Analytics using Python” from 9 to 15 August, 2021 under Research Capacity Building UGC STRIDE Scheme, UGC, New Delhi organized by KTHM College, Nashik.
19. Delivered an invited talk on “Application of Regression Models and DOE for Data Analysis”, in “National Webinar on the occasion of Birth Anniversary of Prof. P. V. Sukhatme”, on 27<sup>th</sup> July, 2021, organized by Department of Statistics, Shivaji University, Kolhapur and Shivaji University Statistics Teachers Association.
20. Resource Person for “NET, SET Coaching Program 2020-21” during 1<sup>st</sup> July to 10 July, 2021, organized by SGM College, Karad, Maharashtra.
21. Delivered a special lecture on, “The work of Prof. P. C. Mahalanobis”, in “Virtual Celebration of National Statistics Day”, organized by Department of Statistics and Applied Mathematics, Central University of Tamil Nadu, on 29<sup>th</sup> June, 2021.
22. Delivered an invited talk on “Artificial Neural Network and its Applications”, in National Webinar on “Applications of Mathematical Sciences”, 30<sup>th</sup> May 2021, organized by Department of Mathematics and IQAC, Vidnyan Mahavidyalaya, Sangola, Maharashtra.
23. Delivered an invited talk on “Regression Analysis: A Statistical Modeling Tool” in National Webinar on "Statistical Modeling", on 28<sup>th</sup> May 2021, organized by Department of Statistics and IQAC, Shri Shahaji Chhatrapati Mahavidyalay, Kolhapur, Maharashtra.
24. Delivered an invited talk on “Classification and Prediction using Support Vector Machines” in Ten Days Skill Development Certificate Course on "Advances in Data-Driven Statistical Applications and Computational Techniques" for the faculty members, scientists, research scholars, UG and PG students during 12.02.2021 to 21.02.2021, organized by Bharathiar University, Coimbatore.
25. Delivered an invited talk on “Classification and Prediction using Artificial Neural Networks” in Ten Days Skill Development Certificate Course on "Advances in Data-Driven Statistical Applications and Computational Techniques" for the faculty members, scientists, research scholars, UG and PG students during 12.02.2021 to 21.02.2021, organized by Bharathiar University, Coimbatore.
26. Delivered Series of lectures on, “Generalized Linear Models” at SGM College, Karad, Maharashtra during 08<sup>th</sup> Feb., to 13<sup>th</sup> Feb., 2021.
27. Delivered an invited talk on “Project at PG-Level: Essentials”, on 04<sup>th</sup> Feb., 2021, organized by SGM College, Karad, Maharashtra.

28. Delivered Series of lectures on, "Bayesian Inference" at Department of Statistics, KTHM College, Nasik during last week of November and first week of December 2020.
29. Delivered an invited talk on "Smooth threshold estimating equations based variable selection in zero-inflated Poisson Regression", International Virtual Conference on Prof. CR Rao's School of Thought in Statistical Sciences organized by Dept. of Statistics, Pondicherry University & Dept. of Mathematics and Statistics, Mrs. A.V.N. College, Visakhapatnam during 21-22 and 28-29, Nov. 2020.
30. Delivered an invited talk on, "Variable selection in Logistic Regression", in "Forum on Stat Math Facts", organized by Department of Statistics and Applied Mathematics, Central University of Tamil Nadu, on 5<sup>th</sup> Sept. 2020.
31. Delivered Series of lectures on, "Generalized Linear Mixed Models" at Department of Statistics, Shivaji University, Kolhapur on 10<sup>th</sup> March, 2020.
32. Delivered an invited talk on "Variable selection in zero and one inflated Poisson regression using smooth threshold estimating equations" and Chaired a Session in National Seminar on "Advances in Statistical Modeling and Inference" (NSASMI-2020) organized by the Department of Statistics, Shivaji University, Kolhapur during 14-15 Feb, 2020.
33. Delivered Series of lectures on, "Multivariate Analysis and Generalized linear models" at SGM college, Karad, Maharashtra on 13<sup>th</sup> Feb, 2020.
34. Delivered an invited talk on "Statistics in Practice" at Vivekanand College, Kolhapur on 14<sup>th</sup> Jan, 2020.
35. Delivered an invited talk on "Applications of Correlation and Regression Techniques in Business and Marketing" in one day workshop on Business Statistics: Scope and Applications at DRK college of Commerce, Kolhapur, 7<sup>th</sup> Feb., 2018.
36. Delivered an invited talk on "Statistics in Medical Science" in a Seminar on 'New Horizons in Statistics' on 7<sup>th</sup> Feb. 2017 held at Yashvantrao Chavan Institute of Science, Satara.
37. Delivered an invited talk on "Applications of Statistics in Business and Marketing" Guest Lecture at DRK college of Commerce, Kolhapur, 29<sup>th</sup> Aug., 2016.
38. Delivered an invited talk on "Descriptive Statistics" in 'Workshop on Applications of Statistics in Medical Research' during 19-20, Jan., 2015 held at University Research Cell, D. Y. Patil Education Society (Deemed University), Kolhapur.
39. Delivered Series of talks on "Statistical Modeling and Graphics using R" in "Training Programme on Computational Statistics Using R" during 17-22, Nov. 2014 held at Department of Statistics, Shivaji University, Kolhapur.
40. Delivered an invited talk on "Data Reduction Techniques" in 'A National Symposium on Business Analytics and Data Mining' during 21-22 March, 2014 held at Department of Statistics, Shivaji University, Kolhapur.
41. Delivered an invited talk on "Preparation for NET/SET Examinations" in the Workshop on Preparation for SET/NET Examinations organized by Solapur University, Solapur on 29, Oct. 2013.



42. Series of talks on “Graphics and Statistical Analysis Using R” in the “National Workshop on Statistical Computing” organized by Department of Statistics, Solapur University, Solapur during 21-23, Sep. 2013.
43. Delivered an invited talk on “Human Development Index” in National workshop on “Research Methodology in the Area of Social Exclusion and Discrimination” organized by Centre for the Study of Social Exclusion and Inclusive Policy, Shivaji University, Kolhapur during 30-31, Aug.2013.
44. Delivered an invited talk on “Conway-Maxwell Poisson Regression” in the “National Workshop on Techniques for Discrete Data Analysis” organized by Department of Statistics, Shivaji University, Kolhapur during 21-22, March, 2013.
45. Delivered Series of lectures on “Clustering” in the Department of Statistics, Central University of Rajasthan through video conferencing mode during 27<sup>th</sup> Feb. to 1<sup>st</sup> March, 2013.
46. Delivered an invited talk on “Preparation for NET/SET Examinations” in State level workshop on NET/SET Examination Guidance on 12 March, 2012 organized by Yashvantrao Chavan Institute of Science, Satara.
47. Delivered an invited talk on “Essentials on programming elements and built in functions in SYSTAT” in workshop on “MS-Excel and SYSTAT Software”, Jan. 4-6, 2010 organized at M.J. College, Jalgaon.

### *Paper Presentation in Conferences / Seminars*

1. “Consistent Variable Selection Using R-Square Criterion in Generalized Linear Models” in International Conference (Virtual Mode) On Emerging Trends in Statistics and Data Science in Conjunction with 40<sup>th</sup> Annual Convention of Indian Society for Probability & Statistics (ISPS) during 7-10 September, 2021, jointly organized by the Departments of Statistics of Cochin University of Science & Technology, Cochin; M.D. University, Rohtak; University of Kerala, Trivandrum; Bharathiar University, Coimbatore; The Madurai College (Autonomous), Madurai.
2. “A new test for two sample location problem based on empirical distribution functions under ranked set sampling” in “International Conference on Theory and Applications of Statistics and Information Sciences” during 5-7 Jan., 2018 held at Department of Statistics, Bharathiar University, Coimbatore.
3. “Empirical distribution function based multivariate test for two sample location problem” in ‘3<sup>rd</sup> International Conference on Innovative Research in Science and Technology’ during 7-8, Nov. 2017 held at Gopal Krishna Gokhale College, Kolhapur, India.
4. “A goodness-of-fit test based on empirical distribution function” in ‘National Seminar on Statistical Inference and Stochastic Modeling’ during 22-23 Feb., 2017 held at Karnataka University, Dharwad.
5. “Variable Selection via Penalized  $\phi$ -Divergence Estimation in Multinomial Logistic Regression” in ‘National Seminar on Statistical Inference and Stochastic Modeling’ during 27-28, Feb. 2015 held at Karnataka University, Dharwad.

6. "On the Robust Linear Regression in the Presence of Severe Multicollinearity and Non-normal Error Terms" in 'National Conference On Applied Statistics and related working practices' during 30-31 Jan., 2014 held at North Maharashtra University, Jalgaon.
7. "Robust Generalized Linear Model Selection using R-square" in International Conference on Recent Advances in Statistics and their Applications (ICRASTAT-2013) along with 33<sup>rd</sup> Annual Convention of ISPS during 26-28 Dec., 2013 held at Department of Statistics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
8. "Outlier Resistant Linear Regression Tolerance Intervals" in 'National Conference on New Horizons of Statistics' during 19-21, Oct., 2013 held at Department of Statistics, Solapur University, Solapur.
9. "A Robust Coefficient of Determination for GLM" in 'National Conference on Quality, Reliability and Optimization' during 14-15 Feb., 2013 held at Padmabhushan Vasantrodada Patil Mahavidyalaya, Kavathe Mahankal, Sangli.
10. "Robust Model Selection in GLM" in 'International conference on Frontiers of Statistics and its Applications' (ICONFROST-2012) along with 32<sup>nd</sup> Annual Convention of ISPS during 21-23 Dec., 2012 held at Pondicherry University, Puducherry.
11. "Comparison of Estimation Methods in GLM with Binary Data for Small Sample Size" in 'A National Seminar on Recent Developments in Statistical Modeling' during 12- 13, Oct. 2012 held at Department of Statistics, Shivaji University, Kolhapur.
12. "Variable Selection in Negative Binomial Regression" in 'International Conference on Statistics and Information Analytics' (ICSIA 2012) during 23-25 Aug. 2012 held at PG and Research Department of Statistics, Loyola College, Chennai.
13. "Variable Selection via Penalized Minimum  $\phi$ -Divergence Estimation in Generalized Linear models with Binary Data" in 'National Symposium on Statistics and its Applications for Young Researchers' during 24-25 Feb. 2012 held at University of Madras Chennai.
14. "A Deviance Based Criterion for Model Selection in GLM" in 'International conference on Statistics, Probability and Related Areas' along with 31<sup>st</sup> Annual Convention of ISPS during 19-22 Dec. 2011 held at CUSAT, Cochin.
15. "Subset Selection in Poisson Regression" in 'National conference on Industrial Statistics and Computational Mathematics', during Jan. 21-23, 2010 held at North Maharashtra University, Jalgaon.

### *Workshop/Seminar/Conference Organized*

1. Convener, "National Workshop on Statistical Computing Using R" organized by Department of Statistics and Applied Mathematics, Central University of Tamil Nadu, Thiruvarur during 15-17 September, 2021.
2. Member, Organizing committee, "National Seminar on Statistical Modeling and Applications" organized by Department of Statistics, Shivaji University, Kolhapur

- during 23-24 Feb, 2018.
3. Member, Organizing committee, “National Conference on Applied Statistics and Informatics’ organized by Department of Statistics, Shivaji University, Kolhapur during 10-11 March, 2017.
  4. Member, Organizing committee, “International Students’ Meet: Exploring Educational Opportunities at Shivaji University’ organized by International Affairs Cell, Shivaji University, Kolhapur during 10-11 March, 2017.
  5. Member, Organizing committee, “Industry Academia Meet’ organized by Shivaji University, Kolhapur during 9 March, 2017.
  6. Organizing Secretary, “Training Programme on Computational Statistics Using R” organized by Department of Statistics, Shivaji University, Kolhapur during 17-22, Nov. 2014.
  7. Member, Organizing committee, “A National Symposium on Business Analytics and Data Mining’ organized by Department of Statistics Shivaji University, Kolhapur during 21-22 March, 2014.
  8. Convener, “National Workshop on Techniques for Discrete Data Analysis” organized by Department of Statistics, Shivaji University, Kolhapur during 21-22, March, 2013.
  9. Member, Executive committee of National conference on Quality, Reliability and Optimization organized by Padmabhushan Vasantrodada Patil Mahavidyalaya, Kavathe Mahankal, Sangli during 14-15, Feb. 2013.
  10. Member, Organizing committee, “A National Seminar on Recent Developments in Statistical Modeling” organized by Department of Statistics, Shivaji University, Kolhapur during 12-13, Oct. 2012.
  11. Member, Organizing committee, Two-Day Workshop on “Formulation of Research Projects Proposals in Statistics” organized by Department of Statistics, Shivaji University, Kolhapur during 19-20 March, 2012.
  12. Member, Organizing committee, “National Conference on Industrial Statistics and Computational Mathematics”, Jan. 21-23, 2010 organized at NMU, Jalgaon.

### *Links to the profile*

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| Irins (Vidwan) | <a href="https://cutn.irins.org/profile/100683">https://cutn.irins.org/profile/100683</a>   |
| Publons        | <a href="https://www.webofscience.com/wos/author/record/669879">https://www.webofscience.com/wos/author/record/669879</a>                 |
| Orcid          | <a href="https://orcid.org/0000-0003-4637-6241">https://orcid.org/0000-0003-4637-6241</a>   |
| Scopus         | <a href="https://www.scopus.com/authid/detail.uri?authorId=55212342700">https://www.scopus.com/authid/detail.uri?authorId=55212342700</a> |
| Google Scholar | <a href="https://scholar.google.co.in/citations?user=ZxzMQpIAAAAJ">https://scholar.google.co.in/citations?user=ZxzMQpIAAAAJ</a>           |
| Research Gate  | <a href="https://www.researchgate.net/profile/Deepak-Sakate">https://www.researchgate.net/profile/Deepak-Sakate</a>                       |
| LinkedIn       | <a href="https://in.linkedin.com/in/deepak-sakate-02b251193">https://in.linkedin.com/in/deepak-sakate-02b251193</a>                       |