

Department Information for College Website

Department of Statistics

Faculty Information:

1. **Faculty Name:** Dr. Dipak D. Patil

2. **Photo (Passport Size):**



3. **Designation:** Head and Associate Professor

4. **Academic Qualification:** M. Sc., M. Phil, Ph. D., SET

5. **Responsibilities / College Committees:** Head, Department of Statistics

College Examination Officer (CEO)

6. **Awards / Achievements / Associations:** NA

7. **Important Web links (Viswan ID, Google Scholar, etc.):** Google Scholar, Research Gate, **Viswan ID: 483922**

8. **Institutional email ID:** Dipak.patil@hvdesaicollege.edu.in

Research Details:

Ph. D. Topic	Use of Copula Functions to study Stochastic Dependence
Research Area	Copula functions, Inference, Biostatistics

No. of Research Projects handled	01 Minor (Completed)
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List of Publications, books, book chapters:

Sr. No.	Title of the paper	Name of Authors	Name of the Journal	Name of publisher	ISSN	Year of Publication	Indexing
1	Indole acetic acid (IAA) production by endophytic bacterial isolate <i>Agrobacterium tumefaciens</i> BE-1 from roots of <i>Musa acuminata</i>	Ambawade Mukund S., Patil Dipak D., Pathade Girish R. and Mali Gajanan V.	<i>Research Journal of Biotechnology</i> Vol. 19 (4)	Res. J. Biotech.	0973-6263 (Print) 2278-4535 (Online)	2024	Scopus, Web of Science
2	Estimation of $P[Y < X]$ for Dependence of Stress–Strength Models with Weibull Marginals	Dipak D. Patil*, U. V. Naik-Nimbalkar, M. M. Kale	Annals of Data Science	Springer	2198-5804 (Print) 2198-5812 (Online)	2023	Scopus
3	Influence of Yeast Bioinoculant Isolated from Indian Date Palm Tree (<i>Phoenix sylvestris</i>) Sap on the Health of Wheat Crop and Soil	M. S. Ambawade, N. V. Manghwani, P. R. Madhyani, A. M. Shaikh, D. D. Patil and G. R. Pathade	Nature Environment and Pollution Technology <i>An International Quarterly Scientific Journal</i> Vol. 22	Technoscience Publications, Pune, Maharashtra, India	0972-6268	2023	Scopus, Web of Science
4	Effect of Dependency on the Estimation of $P[Y < X]$ in	Dipak D. Patil* U. V. Naik-Nimbalkar M. M. Kale	Austrian Journal of Statistics July 2022, Volume 51, 10{34.	Osterreichische Statistische Gesellschaft (OSG)	1026597 X.	2022	Scopus

	Exponential Stress-strength Models						
5	Computation and estimation of reliability for some Bivariate copulas with Pareto marginals.	Dipak D. Patil* & U. V. Naik-Nimbalkar	Journal of Statistical Computation and Simulation	Taylor and Francis	0094-9655 (Print) 1563-5163 (Online)	2017	Scopus, Web of Science, Google Scholar
6	The Conditional Distribution of Waiting Time Given Queue Length	Dipak D. Patil* and Uttara V. Naik-Nimbalkar	Econ. Qual. Control	Walter de Gruyter GmbH & Co. KG	09405151	2014	Scopus, Google Scholar
7	Comparison of confidence intervals for the Poisson mean	Patil, Dipak D.* Rajarshi, M. B.	Model Assisted Statistics and Applications, vol. 5, no. 2, pp. 79-91,	IOS Press	1574-1699 (Print) 1875-9068 (Online)	2010	Current Index to Statistics SciVerse Scopus
8	Effect of covid-19 lockdown on water quality of Mutha river, Pune city.	Dr. Sonia V. Ambade, Dr. Pragati S. Abhyankar, Dr. Dipak D. Patil	Journal For Basic Sciences Volume 23		006-8341	2023	