

Curriculum Vitae

Dr. Bhabani Shankar Mohanty

Assistant Professor

Department of Statistics and Applied Mathematics

School of Mathematics and Computer Sciences

Central University of Tamil Nadu

Thiruvavur-610 005, Tamil Nadu, India

Email: bhabanishankar88@gmail.com

Phone: +91 9040630364

Vidwan-ID: 314014

Scopus ID: 57206402897

Orcid ID: 0000-0001-9130-6221

Google Scholar ID: pQpUT_sAAAAJ



Brief Bio-sketch

Dr. Bhabani Shankar Mohanty is currently working as an Assistant Professor in the Department of Statistics and Applied Mathematics, School of Mathematics and Computer Sciences, Central University of Tamil Nadu, Tamil Nadu. He is an M.Phil, and a Doctorate (Ph.D.) in Statistics from the P.G. Department of Statistics, Utkal University, Bhubaneswar. He has completed a Master's Degree in Statistics from Utkal University and worked for one year as Project-JRF at IIT-Bhubaneswar. He has presented research papers at National/ International conferences in India and has published papers in indexed international journals of repute. He has over 10 years of teaching and research experience. His research interest is Inventory Control, Fuzzy Logic, Optimization Techniques, and Sustainable Supply Chain. He has also command over analyzing high dimension data generated from different real-life phenomena.

Educational Qualifications

Examination Passed	University/ College	Year of Passing	Subject	% of Marks	Result
B.Sc.	Kendrapara Autonomous College, Kendrapara	2008	Statistics(H), Mathematics(P)	69.13(H)	1 st (Distinction)
M.Sc.	Utkal University, Bhubaneswar	2010	Statistics	69.65	1 st
MPhil.	Utkal University, Bhubaneswar	2012	Statistics	72.25	1 st
Ph.D.	Utkal University, Bhubaneswar	2020	Statistics	-	Awarded

Doctoral Work Title

Awarded Ph.D. from Utkal University having registration number STAT-01-2013-14 and thesis entitled "**On Some Improved Optimal Replenishment Schedules under Various Criteria**".

Professional Experience

- Working as an Assistant Professor in the Department of Statistics and Applied Mathematics, Central University of Tamil Nadu since September 2022.
- Worked as a Lecturer in the Department of Statistics, Kendrapara Autonomous College, Kendrapara from May 2022 to September 2022.
- Worked as a Guest Faculty in the Department of Agricultural Statistics, College of Agriculture, Odisha University of Agriculture & Technology, Bhubaneswar from January 2015 to January 2021.
- Worked as Project-JRF in the School of Earth, Ocean & Climate Sciences, IIT Bhubaneswar from January 2014 to January 2015.

Administrative Responsibility

- Member, Department Admission Committee, CUTN, 2022
- Member, Campus Rejuvenation Committee, CUTN, 2022
- Member, NAAC Criteria Committee, CUTN, 2023
- Member, Board of Studies, Department of Statistics and Applied mathematics, CUTN

Computer Skill

PGDCA, SPSS, R-Software, LaTeX and MatLab

Subjects Taught

- Master in Agricultural Statistics: Statistical Methods, Probability Theory & Stochastic Processes, Statistical Inference, Sampling Techniques.
- Master in Statistics and Applied Mathematics: Probability Distributions, Stochastic Processes, Multivariate Statistical Analysis, Time Series Analysis
- Management & Others: Statistics for Decision Science, Business Research Methodology, Business Statistics, Business Mathematics, Operations Research, Quantitative Techniques, Quality Control, Estimation Theory, Testing of Hypothesis, Matrix Algebra, Calculus

Research Interest

Inventory Control, Fuzzy Logic, Optimization Techniques, Sustainable Supply Chain,

Membership Of Academic Bodies

Indian Society of Probability & Statistics (Life member)

List of Publications

- N. K. Sahoo, **Bhabani S. Mohanty** and P.K. Tripathy: Fuzzy inventory model with exponential demand and time-varying deterioration, Global Journal of Pure and Applied Mathematics 12(3), 2573-2589, 2016.
- **Bhabani S. Mohanty** and P. K. Tripathy: Fuzzy inventory model for deteriorating items with exponentially decreasing demand under fuzzified cost and partial backlogging, International Journal of Mathematics Trends and Technology (IJMTT) – 51 (3), November 2017 }
- P. K. Tripathy and **Bhabani S. Mohanty**: Optimal replenishment strategy under combined criteria, International Journal of Scientific Research in Mathematical and Statistical Sciences 5 (4), 165-177, August 2018 }
- N. K. Sahoo, **Bhabani S. Mohanty** and P.K. Tripathy: Optimal decision support mixture model with Weibull demand and deterioration, Revista Investigacion Operacional, 40(4), 573-587, 2019.
- S. S. Mishra and **Bhabani S. Mohanty**: On some almost unbiased ratio-type estimators of finite population variance, International Journal of Agricultural and Statistical Sciences, 2023 (Submitted)
- **Bhabani S. Mohanty**: Green Inventory and Carbon Emissions - A Review, Advanced Greener Technology for Environmental Sustainability and Circular Economy, CRC Press, 2023 (Accepted)

Invited Talk as Resource Person

- Delivered a talk on “Research Methodology” at Fakir Mohan University in Ph.D. Course Work from 8th August, 2017 to 9th August, 2017.
- Delivered a talk on “Testing of Hypothesis” at M.P.C. (Autonomous) College, Baripada on 7th October 2017.
- Delivered a talk on “Use of Statistical tools in Academics & Business Research” at National e-Seminar, Research Forum – India on 8th July 2023.
- Delivered a talk on “Applications of Statistics” as a Resource Person in “A One Day Online National Seminar on Statistics” organized by the Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai on 25th July 2023.

Workshops Attended & Paper Presentation

- Attended National Seminar on "Design of Experiment and application" Organized by Dept. of Statistics Utkal University on 30th March 2012.
- Attended a National workshop Organized by NSSO, Dept of Statistics, Utkal University, on 20th May 2013.
- Attended National Seminar on "Emerging Trends in Official Statistics" Organized by the Dept. of Statistics Utkal University on 17th January 2014.

- Attended National Workshop on "Latest Trends & Applications in Statistics, Operations Research" Organized by Dept. of Statistics Utkal University on 18th November 2014.
- Presented paper entitled as "DETERMINISTIC INVENTORY SYSTEM FOR DETERIORATING ITEMS WITH EXPONENTIALLY DECREASING DEMAND UNDER FUZZIFIED COST AND PARTIAL BACKLOGGING" in international conference on OR for Big Data & Analytics of ORSI at S.V. University, Tirupati on 02nd December 2014.
- Presented paper entitled "OPTIMIZATION OF FUZZY INVENTORY MODEL WITH TIME-VARYING DEMAND AND DETERIORATION" at the international conference of ORSI at S.O.A University, Bhubaneswar on 18th December 2015.
- Attended FDP on "A Road Map for Research Paper Publication in Refereed Indexed Journal" at C V Raman College of Engineering on 5-11 December 2016
- Attended Workshop on "UGC Sponsored National Seminar Cum Skill-Based Workshop on Statistical Computing Using R Software" at Utkal University, Bhubaneswar on 27-28 March 2017. Presented paper entitled "A STUDY ON AN EOQ MODEL WITH THREE PARAMETER WEIBULL DISTRIBUTION DETERIORATION, PRICE DEPENDENT DEMAND AND TIME-VARYING HOLDING COST " in National Seminar on Recent Advances in Mathematical and Applied Statistics at Ravenshaw University, Cuttack on 30th March 2017.
- Attended Workshop on "National Workshop on LaTeX" at Institutes of Mathematics & Applications, Bhubaneswar on 23-24 March 2018.
- Presented paper entitled "AN EOQ MODEL FOR DETERIORATING ITEMS WITH RAMP TYPE DEMAND RATE, QUADRATIC DETERIORATION RATE, UNIT PRODUCTION COST WITH SHORTAGES " in the National Seminar on Statistics in Research: Trends & Applications at Utkal University, Bhubaneswar on 15th April 2017.
- Presented paper entitled "AN INVENTORY MODEL WITH THREE PARAMETER WEIBULL DEMAND RATE WITH FINITE RATE OF PRODUCTION & SHORTAGES " in the National Seminar on Operational Competitiveness in Service & Manufacturing Sector in 21st Century at Birla Global University, Bhubaneswar on 24th February 2018.
- Acted as Convener during Faculty Development Programme on "Advanced Data Analysis through SPSS & AMOS" at Srusti Academy of Management on 22nd & 23rd June 2018.
- Attended Workshop on "Advanced Tools & Techniques for Analysis of Demographic and Health Statistics and Application of Computer Software" at Indian Statistical Institute, Kolkata on March 18-20, 2019.
- Presented paper entitled "A TWO-WAREHOUSE INVENTORY MODEL FOR DETERIORATING ITEMS UNDER PRESERVATION TECHNOLOGY " at the international Conference on Recent Advances in Statistics and Data Science for Sustainable Development at Utkal University, Bhubaneswar on 21-23rd December 2019.

Personal Details

Father's Name:	Late Hemanta Kumar Mohanty
Date of Birth:	29 th February, 1988
Gender:	Male
Marital Status:	Married
Languages known:	Odia, English & Hindi
Permanent Address:	At-Thakeineuli Po-Gopaljewpatna, Dist- Kendrapara, Pin-754250(Odisha)

Declaration

This is to certify that the above informations given is true to the best of my knowledge and belief.

Bhabani Shankar Mohanty

Date: 04.08.2023
Place: Thiruvavur

Bhabani Shankar Mohanty