

Curriculum Vitae



Position/Designation: Assistant Professor

Department: Mathematical and Physical Sciences

College: Arts and Sciences

University of Nizwa , Sultanate of Oman

Personal Information

Name: Sanjith Bharatharajan

NairMarital Status: Married

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Numbers: +968 25446918,+968 98336006

Academic Qualifications

Ph.D, M.Phil, M.Sc ,B.Sc, B.Ed

Teaching Activities, Current / Previous Experience

20 years of Teaching Experience.

Currently working as an Assistant Professor in Statistics,
Department of Mathematical & Physical Sciences,
University of Nizwa,
P.O. Box 33, PC 616, Oman
(2009 onwards)

Research Activities

(Includes but not limited to research interests, conference attendance, conference presentations and publications, refereed journal, articles, books, etc.)

Research interests: Regression Analysis, Applied Statistics, Estimation and Testing, Experimental Design, Probability Theory, Elementary Statistics, Quality control. Reliability and Life Testing, Time Series Analysis

International conference presentations:

- Paper presented “A Regularized Modeling Approach for Improving Predictive Accuracy for Skewed Distributions”; ICRAAMEE-2025, INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN MATHEMATICS & ITS EVOLUTION IN ENGINEERING; 6-7 December, 2025, Department Of Mathematics and Scientific Computing, Madan Mohan Malaviya University of Technology, India.
- Paper presented “A Significant Study on Huber Loss Robust and Quantile Regression

Models for Skewed Distributions”, InCITE-2024, 4th INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY; ADAPTIVE INTELLIGENCE: EVOLVE YOUR WORLD, 6-7,March, 2024, Amity University, Uttar Pradesh, Springer, <https://www.amity.edu/incite2024/>

- Paper presented “The Significance Analysis of Robust and Quantile Regressors in Partially Skewed Distributions using Agricultural and Climate Variables”, International Conference on Energy and Sustainability (ICES 2024), 22-24, April, 2024 A’Sharqiyah University, Ibra, Oman, <https://ices.asu.edu.om>
- International Conference on “Statistics and Information Technology for A Growing Nation”, In Conjunction with XXXIV Annual Convention of Indian Society for Probability And Statistics (ISPS), Organized By Department of Statistics, S.V.University,Tirupati Indian Statistical Institute, Kolkata, December 2, 2014
- NBHM sponsored Workshop on “Reliability Theory and Survival Analysis(IWRS-2014), Organized by Department of Statistics, Faculty of Science, Annamalai University, TAMILNADU, November 17 and 19, 2014.

Conference Attendance:

- “UNIVERSITY OF NIZWA 1ST ANNUAL ENGLISH LANGUAGE TEACHING CONFERENCE”; Organized by The Foundation Institute. Date: April 21-22, 2024.

Journal Publications:

- Mishra, P., Ray, S., Lal, P., Nair, S. B., Matuka, A., Tashkandy, Y., & Emam, W. (2025). Climate modeling for South Asia: statistical and deep learning for rainfall and temperature prediction. *Scientific Reports*, 15(1), 38235. <https://doi.org/10.1038/s41598-025-22149-1>
- Al-Hemyari, Z. A., Al Amiri, I. S., Nair, S. B., & Al Abbasi, J. N. (2025). How to Develop Comprehensive Explanatory and Confirmatory Techniques for the Characteristics of Global Climate Data? Insights From Six Stations of Humidity Data for the Period 1981 to 2022. *SAGE Open*, 15(3), <https://doi.org/10.1177/21582440251368939>
- Nair, S. B., Al-Hemyari, Z. A., & Gountia, D. (2024). Decidable Regression Techniques for Statistical Modelling with Sustainable Agriculture Operations. *SN Computer Science*, 5(8), 1159.
- Nair, S. B., & Yadav, D. (2024). Analyzing Survival Outcomes of COVID-19 Patients: A Cox Regression Approach with Schoenfeld Residual Diagnostics. *Infection Epidemiology and Microbiology*, 10(2), 123-139. <https://doi.org/10.52547/iem.10.2.123>
- Sanjith Bharatharajan Nair , Zuhair A. Al-Hemyari , "On Huber's Robust Technique and Quantile Regression Models for the Total Production of Field Crops in Oman," Universal Journal of Agricultural Research, Vol. 12, No. 2, pp. 429 - 444, 2024. DOI: <https://doi.org/10.52547/ujar.12.2.429>

10.13189/ujar.2024.120221.

- Nair, S. B., Yadav, D., & Kumar, N. (2024, March). A Significant Study on Huber Loss Robust and Quantile Regression Models for Skewed Distributions. In *International Conference on Information Technology* (pp. 149-157). Singapore: Springer Nature Singapore.
- Mohamad, A. M., Yadav, D., Bharatharajan Nair, S., Awasthi, M. K., Ravi, R., & Bhattacharyya, K. (2024). The effect of Péclet number on the onset of Casson fluid convective motion in a porous layer: Analytical and numerical investigations. *Numerical Heat Transfer, Part B: Fundamentals*, 1-13.
DOI: [10.1080/10407790.2024.2320720](https://doi.org/10.1080/10407790.2024.2320720)
- Srija, R., Singh, A. K., Awasthi, M. K., Yadav, D., & Nair, S. B. (2024). Instability analysis of swirling cylindrical Rivlin–Ericksen viscoelastic fluid–viscous fluid interface with heat and mass transfer. *International Journal of Modern Physics B*, 2450416. DOI: [10.1142/S0217979224504162](https://doi.org/10.1142/S0217979224504162)
- Yadav, D., Nair, S. B., Awasthi, M. K., Ragoju, R., & Bhattacharyya, K. (2024). Linear and nonlinear investigations of the impact of chemical reaction on the thermohaline convection in a permeable layer saturated with Casson fluid. *Physics of Fluids*, 36(1). DOI: [10.1063/5.0187286](https://doi.org/10.1063/5.0187286)
- Sanjith Bharatharajan Nair , Zuhair A. Al-Hemyari, Naresh Kumar (2023). Statistical Modelling of the Agriculture Variables using Various Regression Techniques. *Tuijin Jishu/ Journal of Propulsion Technology* 44(4). <https://doi.org/10.52783/tjpt.v44.i4.2028>

➤ **Links to Scopus, Google Scholar, ResearchGate & ORCID ID, Research Publication**

- **Scopus ID:** [Dr.Sanjith Bharatharajan Nair \(Scopus ID\)](#)
- **Google Scholar:** [Dr.Sanjith Bharatharajan Nair \(Google Scholar\)](#)
- **Research Gate:** [Dr.Sanjith Bharatharajan Nair \(ResearchGate\)](#)
- **ORCID ID:** [Dr.Sanjith Bharatharajan Nair \(ORCID ID 0000-0002-1875-6135\)](#)

Workshop Presentations:

- The Foundation Institute (FI) in collaboration with the College of Arts and Sciences (CAS). "**Statistical Analysis of Final Exam Items using SPSS**". January 28,2025 &
February 4,2025, University of Nizwa., Oman.
- DMPS Graduation Project Workshop Spring2023, University of Nizwa, Oman.
- Workshop on "Introduction to SPSS", Conducted by the College of Arts and Sciences, University of Nizwa, Oman; April 5, 2022
- Conducted a workshop as part of the Center for Human Resources Development

(CHRD), Oman; Topic: “Introduction to SPSS”, 29/11/2020 & 01/12/2020.

Workshop/ Training Attendance:

- “Data Driven AI and Analysis Using SPSS & R” Training Organized by Society of Agricultural Research, Applied Technology and Environmental Science, India Collaboration with Karu Sphère Laboratory, Guadeloupe, Yugra State University, Russia); December 6-15, 2025, India.
- “One Week International Faculty Development Program on Generative AI & Large Language Models (IFDP2025)”; Training Organized by iBase Electrossoft LLP in Association with International Community of Artificial Intelligence UK, Gen A Stein with School of Computing MIT, Art, Design & Technology Pune; November 9-15, 2025; UK(Hybrid).
- “Seven Days International Capacity Development Training Program on 'Research Methodology & Data Analysis using 'R' Programming””; Training Organized by Society of Agricultural Research, Applied Technology and Environmental Science, India; January 12-18,2025.
- “WORKSHOP ON PYTHON PROGRAMMING”; Training Organized by College of Engineering & Architecture, University of Nizwa; Date: November 6-9, 2023, Oman.
- “One-week online course for Biomedical Research” Conducted by Science Tech Institute, Lucknow (Registered by : Govt. of UP & Ordinance No. 21 of 1860 Reg. No. LUC/03140/UP, India)Feb 21 to 27,2023, India.
- “TURNITIN Software Training Workshop” conducted by Centre for Human Resources Development, University of Nizwa on December 13, 2022, Oman.

Seminar/Webinar Presentation:

- “Statistics in Sciences”, on World Statistics Day, October 20, 2025, University of Nizwa, Oman
- “Statistics in Sciences”, on World Statistics Day, October 20, 2020,University of Nizwa, Oman.

Seminar/Webinar Attendance:

- IEEE AESS Technical Webinar Aerospace and Electronic Systems Society, in collaboration with ABV-IIITM Gwalior Chapter, “The Exponentiated XGamma Distribution: A New Monotone Failure Rate Model”, Date: October 4, 2025, India.
- Oman Virtual Scientific Library “Masdar” conducted “Introduction to ProQuest One Academic”, Date April 24, 2025, Oman.
- Prospects of Hydrogen and Sustainable Energy Resources” Conducted by College of Engineering & Architecture on June 21, 2023, Al Masharaq Auditorium.; Oman.
- “The Green Hydrogen in the Sultanate of Oman: Opportunities and Possibilities” Conducted by Department of Mathematical and Physical Sciences, College of Arts and Sciences on 19th December 2022, 10:00 AM -02:00 PM, University of Nizwa, Oman.
- Statistical Methods for Covid-19: Update on Test, Trace and Protect, and Initial Information

on Vaccinations "conducted by Royal Statistical Society, UK, April 15, 2021; 12:00 PM-01:30 PM.

- "Mixtures of Non-linear Poisson Auto-regressions". The speaker is Konstantinos Fokianos from the University of Cyprus, April 14, 2021.

Faculty Administrative Experience

- Statistics Diploma Program Coordinator
- Department Timetable Committee Chair
- Graduation Project Committee Member

Awards and recognitions

1. CERTIFICATE OF APPRECIATION IN THE FIELD OF ACADEMIC AND EDUCATIONAL EXCELLENCE, University of Nizwa, Feb 2025.
2. Certificate of Appreciation for conducting SPSS Workshop on " STATISTICAL ANALYSIS OF FINAL EXAM ITEMS", The Foundation Institute (FI) in Collaboration with The College of Arts and Sciences (CAS), University of Nizwa, Feb 2025.