

Brief Biography of Professor Sat Gupta

UNC Greensboro

Before retiring on June 30, 2025 after a 50-year academic journey spread across several institutions, Professor Sat Gupta served as a Professor of Statistics (2004-2025) and Department Head (2019-2023) in the Department of Mathematics and Statistics at the University of North Carolina Greensboro. He is a Fellow of the American Statistical Association, and an Elected member of the International Statistical Institute.

During his career, Professor Gupta bagged several honors and awards which include the Senior University-wide Research Excellence Award, College of Arts and Sciences Senior Teaching Excellence Award, and the University-wide Undergraduate Research Mentor Award, all at UNC Greensboro; Outstanding Faculty Award and the Outstanding Teacher/Scholar Award from the University of Southern Maine; the Distinguished Service Award for the Cause of Statistics given by the North Carolina Chapter of the American Statistical Association; and the Sankhyiki Bhushan Award from The Indian Society of Agricultural Statistics. He is also the winner of the AORN Journal Writer's Contest for 2016. He has been the founding Editor-in-Chief since 2007 of the prestigious research journal '*Journal of Statistical Theory and Practice*', published by Springer. Professor Gupta also serves as General Chair of the important biennial international conference on advances in interdisciplinary statistics and combinatorics held at UNC Greensboro (2007-2024).

Professor Sat Gupta had his college education from Delhi University where he earned a PhD degree in mathematics in 1977. After teaching assignments at Shri Ram College of Commerce and Sri Venkateswara College, Professor Gupta came to USA in 1982 where he earned a PhD degree in statistics in 1987 from Colorado State University. Thereafter, he joined University of Southern Maine where he taught from 1986 – 2004 and then moved to University of North Carolina Greensboro where he served as Professor of Statistics, Associate Head, and Head. He has published over 175 journal articles and has several edited-book volumes to his credit including one with Professor C R Rao. He has also given over 175 talks, many at international destinations. Professor Gupta's journal articles cover a wide range of theoretical and applied topics. The current focus of his research is on respondent privacy in survey sampling and data confidentiality.

He has provided research guidance to students at all levels from undergraduate to PhD. As of Summer 2025, his research advisees include 14 PhD students, 21 master's students, and 20 undergraduate students. He has received funding from agencies like the National Science Foundation, National Institute of Health, Mathematical Association

of America and the Robert Wood Johnson Foundation. His external grants as PI/Co-PI/Co-Investigator add up to 11 million dollars, with about 1 million of that as PI.

A somewhat unique aspect of his career is that he has successfully applied his knowledge of the subject of statistics in providing 'Statistical Consultancy' to both on-campus and off-campus communities. On-campus, he has provided consultancy to researchers from many disciplines such as biology, marine biology, education, nursing, nutrition, anthropology, economics, public health, genetic counseling, psychology, and medicine. These consultations have resulted in numerous journal articles. His off-campus consultancy includes his work with biotech companies and his testimony as expert witness in many court cases.