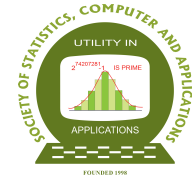


Special Proceedings: ISBN #: 978-81-950383-3-6
28th Annual Conference, 05-07 January 2026



PREFACE

We are pleased to present the Special Conference Proceedings 2026 from the twenty eighth Annual Conference of the Society of Statistics, Computer, and Applications (SSCA), an International Conference on Innovative Trends in Statistical Science, Data Analytics and Interdisciplinary Research, organized by the Department of Statistics and Centre for Advanced Studies, Savitribai Phule Pune University, Ganeshkhind, Pune, India from January 5-7, 2026.

Founded in 1998, with its inaugural gathering at Haryana Agricultural University, Hisar, SSCA has consistently organized annual conferences at various educational institutions across the country. The society's core mission is to foster research at the intersection of Statistics and Information Technology, supporting both theoretical and applied statisticians dedicated to technological advancements for societal progress. SSCA also promotes open access to knowledge through its journal, Statistics and Applications, which facilitates free downloads, saving, and printing of full-length papers. In addition to regular issues, the journal periodically releases special volumes addressing significant global and national themes.

The recent 28th conference aimed to provide a unified platform for discussions on regional and global statistical issues. Distinguished experts in theoretical and applied statistics from India and abroad, particularly from the USA, actively participated in knowledge dissemination. Speakers represented prestigious Indian institutions, including the Indian Statistical Institute, Indian Institute of Technology (IITs), Indian Council of Agricultural Research (ICAR), Reserve Bank of India (RBI), Universities, and Government offices. The conference featured several notable events, including a Panel Discussion and various technical sessions. These sessions included the M. N. Das Memorial Lecture and a dedicated session on Financial Statistics, where renowned statisticians and leading practitioners shared insights on finance-related topics. Additionally, four endowment lectures were presented : the B. K. Kale Memorial Endowment Lecture, the J. K. Ghosh Memorial Endowment Lecture, the Bikas Kumar Sinha Endowment Lecture and the V. K. Gupta Endowment Award Lecture for achievements in statistical thinking and practice. These lectures were delivered by speakers closely associated with, or students of, the respective honorees. Furthermore, the Aditya Shastri Memorial Lecture in memory of the late Aditya Shastri, Vice Chancellor of Banasthali Vidyapith, was also presented.

The Executive Council of SSCA resolved to compile the "Special Conference Proceedings 2026," highlighting selected presentations, including those from the specialized Financial

Statistics session. Although constraints limited the inclusion of all invited papers, esteemed speakers were invited to submit their research contributions. Following a rigorous review process, a distinguished selection of 13 papers was accepted for publication in the special proceedings. We extend our sincere gratitude to all authors for the prompt submission of high-quality research papers. We owe a special debt of thanks to all the reviewers whose dedicated efforts ensured a swift and thorough review process, completing it within a short timeframe. Special acknowledgment is also due to all members and office bearers of the SSCA Executive Council for their steadfast support. Furthermore, our deepest appreciation goes to all the family members and students who sponsored the Endowment Lectures. The special proceedings from these sessions have been assigned the ISBN #: 978-81-950383-3-6.

We are confident that the contents of these special proceedings will be immensely beneficial to our readership, fostering further insights and advancements in the field of Statistics and its applications in AI and beyond. We welcome any suggestions for improving future conferences and special proceedings as we continually strive to better serve the statistical community.

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October 06, 2026