

# PREFACE

This special issue of the Journal of Indian Society of Agricultural Statistics is being brought out on the auspicious occasion of Centenary Birth celebrations of Hon'ble (Late) Dr. Daroga Singh. He was born on 1<sup>st</sup> January, 1922 in Bhujehuan Village, Ghazipur District, Uttar Pradesh, India. He completed his Graduation and Post-Graduation in Mathematics from Allahabad University, Uttar Pradesh, Post-Graduate Diploma in Agricultural Statistics from ICAR and Doctor of Philosophy (Ph.D.) in Statistics from Delhi University in 1964.

After completion of his Post-Graduation in July 1949, he joined the then Statistical Wing of ICAR, New Delhi. Later in July 1959, the Statistical Wing was converted into an Institute and named as Institute of Agricultural Research Statistics (IARS). Again in 1978, it was renamed as Indian Agricultural Statistics Research Institute (IASRI) under the stewardship of Dr. Daroga Singh as Director of the Institute. Dr. Daroga Singh served the Institute in various positions for more than three decades. He was associated with the development of the Institute since its inception along with his seniors viz. Dr. P.V. Sukhatme, Dr. V.G. Panse and Dr. G.R. Seth. Dr. Daroga Singh had made pioneering and visionary contributions for all round development of the Institute.

He became Director of the Institute in 1969 and occupied this position till his retirement in December, 1981. In between for a brief period of about two years, he was deputed to the Ministry of Agriculture as Joint Commissioner of Agriculture Census and pioneered the execution of First Agricultural Census in the country. Under his dynamic leadership as a Director of the Institute, a multi-story building was constructed in 1977 as Computer Centre which housed a Third Generation Computer System viz. Burrough B-4700, Office of the Director, a Conference Hall and New Library. He shouldered the responsibility of organizing and conducting first competitive Agricultural Research Service (ARS) entrance examination for Agricultural Scientists of ICAR, 1976. During his tenure as Director, the Institute had gained name and fame in the country and abroad because of his significant contributions in Agricultural Statistics and Allied Sciences which were very useful in making policy decisions for development planning in the country as also globally.

After his retirement from the service of ICAR in December 1981, he joined FAO of United Nations as Senior Statistical Adviser. Due to his indifferent health, he left his FAO assignment in 1983. However, he continued his research endeavors and established a Centre for Agricultural and Rural Development Studies (CARDS) in September, 1984. This Centre received grant in aid from the Planning Commission, Government of India, the Directorate of Extension, Ministry of Agriculture, Government of India as also Departments of Statistics of other States for several research projects which were carried out jointly with Dr. S.K. Raheja, Dr. Padam Singh and Dr. Jai Krishna. He participated in multifarious activities like seminars, conferences, symposia, etc. Dr. Daroga Singh was internationally recognized as a renowned statistician and was member of various national and international scientific bodies and institutions. He was Sessional President of Indian Science Congress Association, Indian Society of Agricultural Economics, Indian Society of Agricultural Statistics (1985), Indian Society of Agricultural Sciences, and member of various scientific and professional societies. He was the member of International Statistical Institute, Netherlands and several other national and international organizations.

He guided over 30 Ph.D./Diploma/M.Sc. students for their research work. Many of his students have occupied prominent positions e.g. Dr. Padam Singh as Additional Director General, ICMR and Member, National Statistical Commission, Government of India; Drs. S.K. Raheja, O.P. Kathuria, B.B.P.S. Goel, S.D. Sharma as Directors of IASRI; Dr. A.K. Srivastava, Joint Director, IASRI; Shri M.G. Sardana and Dr. Devendra Verma as D.G., C.S.O. and Drs. P.C. Gupta and B.V.S. Sisodia as Professor and Head, Department of Statistics in Universities, etc.

He published about 100 research papers in national and international scientific journals of repute. He was conferred the prestigious Dr. Rajendra Prasad Memorial Award in 1983 for his Hindi book on "Statistical Methods". Importantly, the book entitled "Theory and Analysis of Sample Survey Designs" published by Wiley Eastern Limited in 1986 was authored by him with co-author Dr. Fauran Singh Chaudhary. This book is a standard text book in Sampling Theory and is very popular among the PG students in Agricultural Statistics/Statistics in universities and

research institutions in the country and abroad. Following two books authored by him with co-authors have been published by IASRI during 1978:

1. Handbook of Sampling Methods by Daroga Singh, Padam Singh and Pranesh Kumar;
2. Methods of Collection of Agricultural Statistics in India by K.C. Raut and Daroga Singh.

These books have many practical illustrations and are very popular among practicing statisticians.

Dr. Daroga Singh was Honorary Secretary of the Indian Society of Agricultural Statistics for about 8 years and also its Vice President from 1982 till his demise on 13<sup>th</sup> May 1988.

Another important trait was his love for his mother tongue Hindi which is also the official language of India. He always encouraged the scientists and staff at the Institute to do as much of their routine work in Hindi as possible. He not only signed most of his letters in Hindi but even spoke in Hindi at the meetings and seminars etc. held in the Institute. As is well known, Hindi Day is celebrated in the country on 14<sup>th</sup> September every year. To keep up and carry forward his efforts for promoting the use of Hindi, the Institute now organizes a lecture in his memory on Hindi Day in September every year, wherein distinguished experts/ scientists are invited. The auditorium of the Computer Building of the Institute has been named as Dr. Daroga Singh Auditorium. He had cordial relations with his seniors, colleagues and students. He was very popular among his students and treated them as his own children. He was a simple down to earth personality and was more like a “Saint” by Internal Divine thoughts and even by his physical appearance. He was very kind and helpful to his colleagues and students alike. He was especially popular among the PG students due to his helpful attitude for providing guidance in their research work.

Late Dr. Daroga Singh would have attained 100 years of age on 1<sup>st</sup> January 2022. A Special Technical Session was organized to celebrate his Centenary Birth Anniversary during 73<sup>rd</sup> Annual Conference of Indian Society of Agricultural Statistics held at Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir, Srinagar, J&K, India during November 14-16, 2022. In the General Body (GB) meeting of the Society held there on 15<sup>th</sup> November, 2022, it was resolved to bring out the April issue of the Journal of the Indian Society of Agricultural Statistics (JISAS) as a special issue in honor of Late Dr Daroga Singh’s memory to commemorate his Centenary Birth Anniversary. A Board of Guest Editors was constituted in the said GB meeting. It was decided that renowned Statisticians of his time and other prominent personalities in the subject will be invited to contribute research papers/review papers in this special issue. In all, twenty persons were invited. However, we received 17 papers/review papers which have been accepted through a peer review by renowned statisticians.

We express our deep sense of gratitude to all the contributors and the referees for their unflinching support in bringing out this special issue. We would like to place on record our highest admirations for Dr. Himanshu Pathak, President of the Society. We are thankful to Dr. Rajender Parsad, Director, ICAR-IASRI, New Delhi and Honorary Secretary of the Indian Society of Agricultural Statistics for his active involvement and help extended in bringing out this special issue. We are also thankful to Dr. S.K. Raheja, Ex-Director, ICAR-IASRI, New Delhi and Vice President of ISAS for help in preparation of the Preface of the Special Issue. We really appreciate Shri Satish Kumar Varma for his hard work put in for bringing out this special issue. The Guest Editorial Committee is also thankful to other Office Bearers of ISAS for their cooperation and help extended during this period.

Guest Editorial Committee

Padam Singh  
A.K. Srivastava  
Pranesh Kumar  
B.V.S. Sisodia