

# A MANUAL OF BIOSTATISTICS & COMPUTER APPLICATION

The book "A Manual of Biostatistics and Computer Application" has been written in accordance with the M.S.V.E., syllabus 2016. It promises to be an informative asset to the readers of veterinary as well as under-graduates of allied sciences. The course Biostatistics is important for under-graduates and post-graduates equally. The research methodologies for post-graduate work requires good concept of biostatistics as well as computer science due to which it is included in under-graduate and post-graduate syllabus as according to the requirement of the course. This book delves into the basic of biostatistics and computer applications along with required theoretical description and numerical problems. Feedbacks and improvisations are invited at [drnandanikumari3@gmail.com](mailto:drnandanikumari3@gmail.com)

**Dr. Nandani Kumari (A.H.)**

Assistant Professor cum Junior Scientist  
Department of Animal Breeding and Genetics  
Ranchi Veterinary College  
B.A.U., Ranchi, Jharkhand-834006

**Dr. Rebeka Sinha**

Assistant Professor cum Junior Scientist  
Department of Animal Breeding and Genetics  
Ranchi Veterinary College  
B.A.U., Ranchi, Jharkhand-834006

**Dr. Sushil Prasad**

Dean  
Ranchi Veterinary College  
B.A.U., Ranchi, Jharkhand-834006

**Bharti Kumari**

Computer Assistant  
Ranchi Veterinary College  
B.A.U., Ranchi, Jharkhand-834006



**SATISH SERIAL PUBLISHING HOUSE**

403, Express Tower, Commercial Complex, Azadpur, Delhi - 110033 (India)  
Phone : 011-27672852, Fax : 91-11-27672046  
E-mail : [info@satishserial.com](mailto:info@satishserial.com), [hkjain1975@yahoo.com](mailto:hkjain1975@yahoo.com)  
Website : [www.satishserial.com](http://www.satishserial.com)



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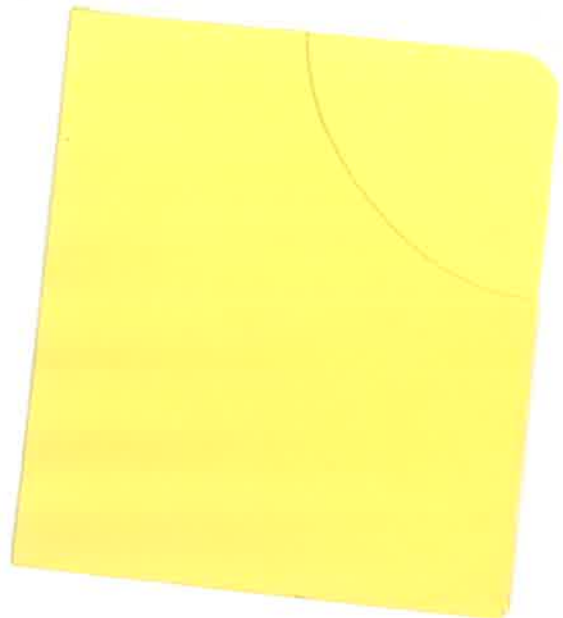
Nandani Kumari  
Rebeka Sinha  
Sushil Prasad  
Bharti Kumari



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Nandani Kumari  
Rebeka Sinha  
Sushil Prasad  
Bharti Kumari





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**COLLEGE OF AVIAN SCIENCES & MANAGEMENT  
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# A Manual of Biostatistics & Computer Application

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Authors:

**Dr. Nandani Kumari**

Assistant Professor cum Junior Scientist  
Department of Animal Breeding and Genetics  
Ranchi Veterinary College  
B.A.U., Ranchi, Jharkhand-834006

**Dr. Rebeka Sinha**

Assistant Professor cum Junior Scientist  
Department of Animal Breeding and Genetics  
Ranchi Veterinary College  
B.A.U., Ranchi, Jharkhand-834006

**Dr. Sushil Prasad**

Dean  
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B.A.U., Ranchi, Jharkhand-834006

**Bharti Kumari**

Computer Assistant  
Ranchi Veterinary College  
B.A.U., Ranchi, Jharkhand-834006



## SATISH SERIAL PUBLISHING HOUSE

403, Express Tower, Commercial Complex  
Azadpur, Delhi-110033 (India)  
Phone : 011-27672852, Fax : 91-11-27672046  
e-mail : info@satishserial.com, hkjain1975@yahoo.com  
Website : www.satishserial.com

**Department of Animal Breeding and Genetics**  
College of Veterinary Sciences and Animal Husbandry  
Birsa Agricultural University, Ranchi-834007

## Prologue

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Present manual on biostatistics and computer application has been prepared with view of the needs of B.V.Sc. and A.H. students and those belonging to allied subjects. The subject-matter presented here deals with the requirements of MSVE-2016 syllabus. The manual is equally applicable and appropriate for students of biological and biomedical sciences as well as in other allied courses.

The manual comprises of three sections. The first section, Part-A deals with basic concepts of biostatistics as mentioned in the Unit-1 of syllabus. It has theoretical concepts as well as the corresponding numerical problems of the subject. The second section, Part-B consists of basics of computer applications as required to be studied in the syllabus. It has been our endeavour to include almost all the relevant topics of use for the students of Animal Breeding and Genetics and it is hoped that the manual will be of considerable value for the readers. Your comments are always welcome which would help tremendously for its further improvement.

**Nandani Kumari**

Assistant Professor cum Junior Scientist (A.H.)  
Department of Animal Breeding and Genetics  
Ranchi Veterinary College

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### **SATISH SERIAL PUBLISHING HOUSE**

403, Express Tower, Commercial Complex, Azadpur, Delhi-110033 (INDIA)  
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E-mail : info@satishserial.com, hkjain1975@yahoo.com

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**Department of Animal Breeding and Genetics**  
College of Veterinary Sciences and Animal Husbandry  
Birsa Agricultural University, Ranchi-834007

### **Message**

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It gives me immense pleasure in writing about the manual on "Biostatistics and Computer Application". The aim of any manual is to help students with better understanding of the subject. The present manual will be of immense help to the students of B.V.Sc. and A.H. or of allied subjects seeking knowledge on basic concept of Animal Breeding and Genetics. It will be like an indispensable workbook being in accordance with the syllabus as prescribed by Veterinary Council of India.

I congratulate Dr. Nandani Kumari and co-authors for their efforts in bringing out the present manual.

**Dr. Sushil Prasad**  
Dean  
Ranchi Veterinary College

# **Birsa Agricultural University**

Ranchi

## **Message**

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The effort put forth in preparing the present manual on biostatistics and computer application as prepared by Dr. Nandani Kumari, Assistant Professor cum Junior Scientist, Department of Animal Breeding and Genetics, R.V.C., B.A.U. and co-authors from this university is praiseworthy. A cursory glance on the topics incorporated reveals that it comprises of almost all the topics mentioned in the syllabus in Unit-1. Biostatistics is an indispensable and mandatory subject for any post-graduate or doctoral studies. Research data analysis is rather impossible without the knowledge of biostatistics in veterinary or allied sciences or any research studies. Biostatistics and computer application is a tricky subject with mathematical base to it, so this manual would be of immense importance in helping the students to understand its basic concept.

All the authors deserve congratulations for their sincere efforts.

**Dr. Onkar Nath Singh**  
Vice Chancellor  
Birsa Agricultural University

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