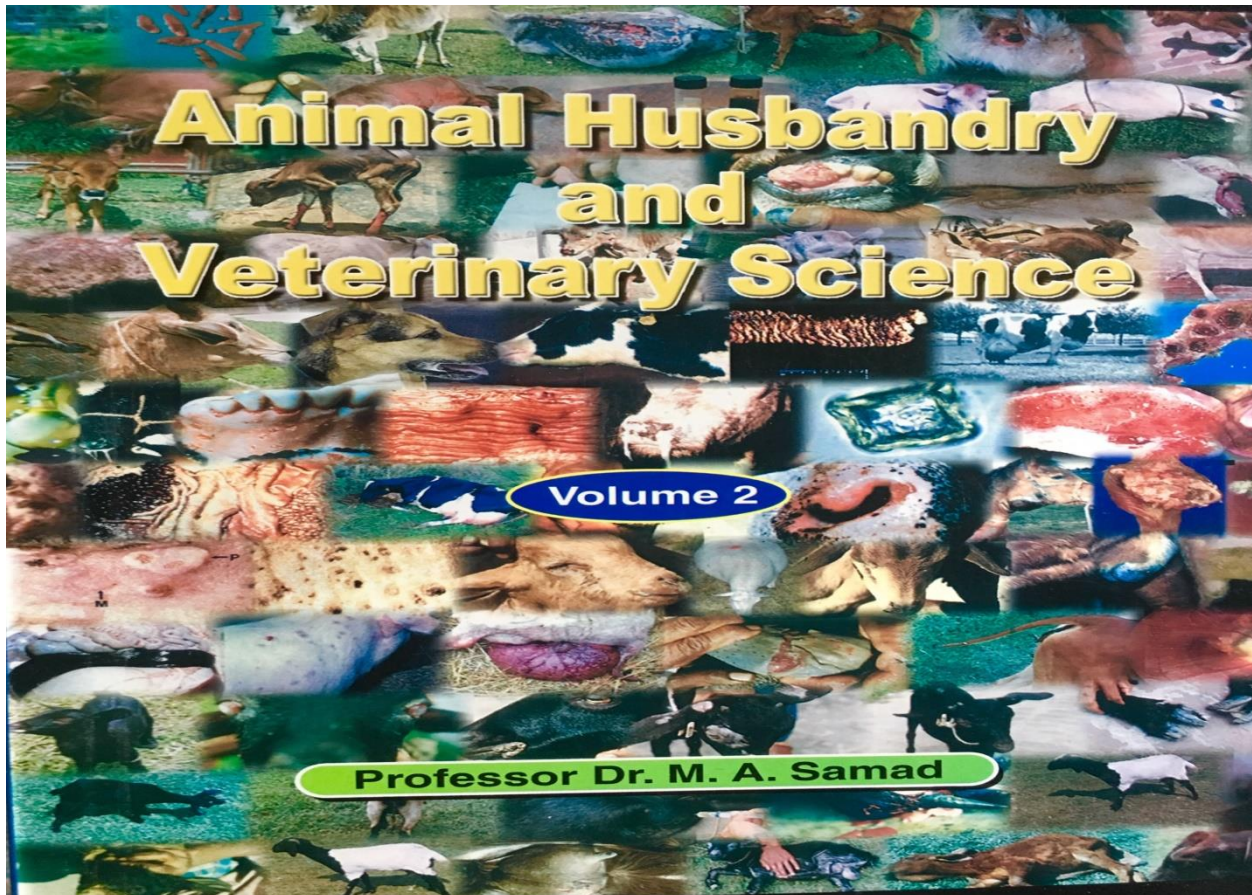


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# Animal Husbandry and Veterinary Science

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# **Animal Husbandry and Veterinary Science**

**[Volume II: 1<sup>st</sup> Published: January 2008]**

## **PREFACE**

Let me begin the book entitled, 'Animal Husbandry and Veterinary Science' in the name of the Almighty Allah. 'Animals are a gift to the human race by Allah- a gift that humans seldom fully appreciate. Only now are we even beginning to understand what a marvelous blessing animals truly are.' Trusting myself to honorable name of Allahuta'ala I begin to write this book.

Let me begin by saying why I think that such a book is needed. Since the publication of my book entitled, '*Poshu Palon O Chikitsavidya*' first time in 1996, followed by 2<sup>nd</sup> edition in 2001, concerned students and teachers asked me to write this book in English. Recently a number of Veterinary faculties, colleges and even University have been established in Bangladesh with a lot of limitations, especially scarcities of experienced teachers, textbooks and practical training facilities. These limitations have already made frustrations to the concerned students and class teachers and eventually motivated me to write a comprehensive textbook for Veterinary science. The marvelous opportunity obtained to serve as an expertise teacher at 'The Papua New Guinea University of Technology' during the period from 2005 to 2007, helped me to review the professional internet files which has made possible to write an up-to-date manuscript for this book. The book is basically structured as a comprehensive textbook which includes almost all the subjects required for Veterinary graduate education.

In recent years, zoonoses and communicable diseases common to man and animals have gained increasing attention worldwide. Human diseases that have their origins in infected animals have highlighted the need for a better understanding of animal diseases. The ease and speed of modern travel facilities the spread of diseases once confined to specific geographic areas, as recently occurred with the widely publicized Severe acute respiratory syndrome (SARS) epidemic. Animal migration and trade pose a similar threat as was shown by the outbreaks in the United States of West Nile fever and most recently monkey pox- two diseases not previously known in the Western Hemisphere. Each of these examples lights the need for accurate up-to-date information such as that presented in this book.

This edition, published for the first time in two volumes, cover, Volume and Volume II. Therefore, this book is an essential tool for Biologists, Parasitologists, Microbiologists, Immunologist, Epidemiologist, Pathologist, Veterinarians, Physicians and workers in public health and animal health and production

institutions as well as academician, researchers and students in these areas. All of these groups will find, 'Animal Husbandry and Veterinary Science' to be an invaluable addition to their collection of most consulted reference works.

I'm indebted to all those individuals who have contributed to the realization of this publication. I especially acknowledge to the thousands of scientists who contributed articles, photographs and illustrations in the internet, different books, journals, thesis, manual, reports from which many essential information, photographs and illustration have been used in this book. I had to face the problem of balancing clarity of exposition with density of references. I was tempted to give large numbers of references but was afraid they would have destroyed the continuity of the text and may cause voluminous text as well. However, the special features include 236 color photographs as well as other illustrations which alone make it an enjoyable for reader.

Don't worry if you don't understand this book completely on the first reading. I didn't understand it all on the first writing! Remember that this is not a book to read once and put on a shelf. I hope you will find yourself referring to it again and again for education, research and practices for design insights and for inspiration.

I wish to thank to my all academic and non-academic staff members and post-graduate students of the Department of Medicine, BAU, Mymensingh for their encouragement, and especially Dr. Muhamamd Jasim Uddin (Lecturer) who helped me to make access about the current status of undergraduate education of the different subjects in the Faculty of Veterinary Science, BAU, Mymensingh. I express my appreciation to the hundreds of Veterinarians and Veterinary students for their assistance and constant encouragement for writing this book. I will be gratified if this book would fulfill a practical need for them.

#### Request !!

I do not hesitate to express that, despite of my all efforts and means to make the text as accurate as possible but still there is likelihood of some errors in sorting through many thousands of bits of information. Any concerned person who has used this book and feels that it could be improved, please write to the author with your comments and suggestions, so that the manuscript could be improved in the next edition.

BAU Campus, Mymensingh  
1<sup>st</sup> January 2008

M. A. Samad, PhD  
Author

# Animal Husbandry and Veterinary Science

## [Volume 1: 1<sup>st</sup> Published: January 2008]

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