



Comparative Avian Nutrition (Cabi)

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Their natural beauty, exceptional variety and unique biology make birds (Aves) one of the most fascinating groups of animals. They are also of great importance to humans as food and as experimental subjects that have catalyzed significant advances in many areas of biological research. Central to our ability to maintain and develop these resources is a thorough understanding of avian nutrition.

This book presents, uniquely, all aspects of our current knowledge, drawn from such diverse disciplines as physiological ecology, poultry production, zoo biology and biomedical science. The physical and biochemical processes of digestion, the metabolic functions of nutrients and the diversity of evolutionary adaptations required to accommodate very different foodstuffs are examined in depth. Emphasis is placed on the quantitative nature of nutrition and the practical consequences for the dietary requirements of captive and wild avian populations throughout their life cycle. This book is key reading for advanced students of animal nutrition and poultry science and for research ornithologists. It will also be valuable for practicing nutritionists working with farmed, pet, zoo or wild birds and represents an essential purchase for libraries of animal science, veterinary medicine and ornithology.

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Editorial Review

Review

"This textbook is intended as a reference for the veterinarian, ornithologist, field biologist, and even aviculturist. Dr. Klasing has truly accomplished that goal, explaining in detail why bird species developed a unique gastrointestinal anatomy and function, based on feeding strategies determined by their environment. . . . The text describes how birds rarely rely on a single class of food item, and how nutritional intake changes seasonally for many species of birds. Later sections of the book cover metabolism and individual nutrients that make up the diet of birds. These sections are well written and thoroughly referenced, making this an important resource for anyone interested in avian nutrition."--*Journal of the American Veterinary Medical Association*

"This complete work on the various aspects of avian nutrition . . . also covers areas of anatomy and physiology of the digestive system. Although a good deal of information is available on domestically raised poultry of commercial interest . . . , relatively little is available on the large variety of other avian species. This book attempts to fill the void with a thorough review of the literature on nutrition and related fields for a number of other species. Chapters cover the various types of feedstuffs consumed by birds, the comparative anatomy and physiology of the avian gastrointestinal tract, and the physiology of digestion. . . . The book is well referenced, and provides detailed information on nutrients, their requirements, effects of excess and deficiency, and food sources that provide these nutrients. *Comparative Avian Nutrition* should provide a valuable resource to a variety of students and professionals with an interest in this field."--*The Quarterly Review of Biology*

"Integrates the disciplines of anatomy, biochemistry, physiology, behavior, and ecology into a unifying concept of the interaction between the bird and its food supply. Not only resting on accurate descriptions of molecular details of digestion, metabolism, and excretion, the material quantitatively explores their rates. Eleven chapters discuss: dietary patterns, anatomy and physiology of the digestive system, nutritional strategies and requirements, amino acids, lipids, carbohydrates, energy, minerals, and vitamins."--*SciTech Book News*

About the Author

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Users Review

From reader reviews:

Maurice Miller:

This book untitled Comparative Avian Nutrition (Cabi) to be one of several books this best seller in this year, that is because when you read this guide you can get a lot of benefit onto it. You will easily to buy that book in the book store or you can order it via online. The publisher of this book sells the e-book too. It makes you more easily to read this book, as you can read this book in your Smartphone. So there is no reason to you personally to past this publication from your list.

Patricia Northcutt:

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Carolyn Franklin:

In this age globalization it is important to someone to obtain information. The information will make a professional understand the condition of the world. The health of the world makes the information easier to share. You can find a lot of referrals to get information example: internet, paper, book, and soon. You can view that now, a lot of publisher which print many kinds of book. Often the book that recommended to you is Comparative Avian Nutrition (Cabi) this publication consist a lot of the information in the condition of this world now. This particular book was represented so why is the world has grown up. The language styles that writer require to explain it is easy to understand. The actual writer made some study when he makes this book. Honestly, that is why this book acceptable all of you.

Cheryl Bullen:

As a pupil exactly feel bored to be able to reading. If their teacher inquired them to go to the library or make summary for some book, they are complained. Just small students that has reading's spirit or real their leisure activity. They just do what the teacher want, like asked to the library. They go to generally there but nothing reading really. Any students feel that reading is not important, boring in addition to can't see colorful pics on there. Yeah, it is to become complicated. Book is very important for yourself. As we know that on this period of time, many ways to get whatever you want. Likewise word says, many ways to reach Chinese's country. So , this Comparative Avian Nutrition (Cabi) can make you sense more interested to read.

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