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Titolo	Fundamentals of animal nutrition // Subodh Kumar Saha and Nitya Nand Pathak
Pubbl/distr/stampa	Gateway East, Singapore : , : Springer, , [2021] ©2021
ISBN	981-15-9125-3
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XIX, 269 p. 87 illus., 14 illus. in color.)
Disciplina	636.089
Soggetti	Food - Biotechnology Biomedical engineering Veterinary medicine Nutrició animal Llibres electrònics Tròpics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Chapter 1. Brief History of Animal Nutrition -- Chapter 2. Relationship of Soil, Water, Air, Solar Energy, Plant and Animals -- Chapter 3. Chemicals of Life and Chemical Reactions in the Animal Cells -- Chapter 4. Partitioning of Foods -- Chapter 5. Water -- Chapter 6. Carbohydrates -- Chapter 7. Proteins and Other Nitrogenous Substances of Nutritional Significance -- Chapter 8. Lipids -- Chapter 9. Mineral Nutrition -- Chapter 10. Vitamins -- Chapter 11. Enzymes -- Chapter 12. Hormones in Nutrition -- Chapter 13. Use of Feed Additives on Livestock Production -- Chapter 14. Digestion, Absorption and Metabolism of Nutrients -- Chapter 15. Feeding Processes -- Chapter 16. Energy Partitioning -- Chapter 17. Clinical and Therapeutic Nutrition.-.
Sommario/riassunto	The book provides comprehensive information about the different aspects of veterinary nutrition in tropical countries.The introductory chapter discuss the importance of nutrition, feeds and feeding of balanced and optimum feeds specifically required for the sustenance of life .The second chapter, discusses briefly the history of research in

animal nutrition. The book further talks about the relationship between the environment and nutrition in animals; the chemical composition of plants and animals; and the various sources of feed for animals. It provides details on the different phases of life cycle in animals, and the effect of nutrition on the performance. Various Nutrients and its importance in livestock nutrition and production has been illustrated in details. Various nutrients such as water, carbohydrate, protein, fats, vitamins, minerals etc are individually dealt in a separate chapter. The digestive system, digestion and metabolism of carbohydrates, protein and fats in ruminant and non ruminant livestock have been illustrated. A dedicated chapter fully describes the activity of enzymes which are directly involved in nutrition. Also this book deals with the harmful components of animal feed which are found mainly in the unconventional feeds. The books also provide chapters like partitioning of feed & energy and also the therapeutic and clinical nutrition which are very important for the under graduate & post graduate students and researchers of animal nutrition and livestock production and management. This book is useful for researchers, undergraduate and post graduate students studying veterinary sciences, animal husbandry, zoology and biochemistry.
