

1. Record Nr.	UNINA9910455598803321
Titolo	Amino acids in animal nutrition [[electronic resource] /] / edited by J.P. F. D'Mello
Pubbl/distr/stampa	Willingford, Oxon, UK ; ; Cambridge, MA, USA, : CABI Pub., c2003
ISBN	1-280-83375-0 9786610833757 0-85199-795-3
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (526 p.)
Altri autori (Persone)	D'MelloJ. P. Felix
Disciplina	636.08/52
Soggetti	Amino acids in animal nutrition Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Contents; Contributors; Preface; Abbreviations; 1 Amino Acids as Multifunctional Molecules; 2 Amino Acid Analysis of Feeds; 3 Absorption of Amino Acids and Peptides; 4 An Outline of Pathways in Amino Acid Metabolism; 5 Amino Acid Metabolism in Animals: an Overview; 6 Essential to Non-essential Amino Acid Ratios; 7 Adverse Effects of Amino Acids; 8 Methionine-Cystine Relationships in Pig Nutrition; 9 Ideal Dietary Amino Acid Profiles for Pigs; 10 Digestible Amino Acids in Diet Formulation for Pigs; 11 Modelling Amino Acid Metabolism and the Estimation of Amino Acid Requirements 12 Amino Acid Utilization for Reproduction in Sows 13 Ideal Amino Acid Patterns for Broiler Chicks; 14 Responses of Growing Poultry to Amino Acids; 15 Metabolism and De Novo Synthesis of Amino Acids by Rumen Microbes; 16 Modelling Amino Acid Metabolism in Ruminants; 17 Amino Acid Utilization for Wool Production; 18 Amino Acid Utilization by Growing and Finishing Ruminants; 19 Mammary Uptake and Metabolism of Amino Acids by Lactating Ruminants; 20 Effects of Amino Acids on Milk Production; 21 Predicting Dietary Amino Acid Adequacy for Ruminants 22 Canine and Feline Amino Acid Requirements for Different Physiological Functions 23 Amino Acid Requirements of Finfish and Crustaceans; 24 Crystalline Amino Acids and Nitrogen Emission; 25

Economic Assessment of Amino Acid Responses in Growing Poultry; 26
Conclusions; Index

Sommario/riassunto

Amino acid metabolism and nutrition of farm animals continues to be an active area of research. Fully updated, this second edition discusses the nutrition of a wider range of species, including companion animals. There are species-specific chapters on pigs, poultry, ruminants and companion animals.