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Quantitative aspects of ruminant digestion and metabolism / / edited **Titolo** 

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Nota di contenuto Contents; Contributors; 1. Introduction; DIGESTION; 2. Rate and Extent

> of Digestion; 3. Digesta Flow; 4. In Vitro and In Situ Techniques for Estimating Digestibility; 5. Particle Dynamics; 6. Volatile Fatty Acid Production; 7. Nitrogen Transactions in Ruminants; 8. Rumen Microorganisms and their Interactions; 9. Microbial Energetics; 10.

Rumen Function; METABOLISM; 11. Glucose and Short-chain Fatty Acid Metabolism: 12. Metabolism of the Portal-drained Viscera and Liver:

13. Fat Metabolism and Turnover; 14. Protein Metabolism and Turnover; 15. Interactions between Protein and Energy Metabolism 16. Calorimetry 17. Metabolic Regulation; 18. Mineral Metabolism; THE WHOLE ANIMAL; 19. Growth; 20. Pregnancy and Fetal Metabolism; 21. Lactation: Statistical and Genetic Aspects of Simulating Lactation Data from Individual Cows using a Dynamic, Mechanistic Model of Dairy Cow Metabolism; 22. Mathematical Modelling of Wool Growth at the Cellular and Whole Animal Level; 23. Voluntary Feed Intake and Diet Selection;

24. Feed Processing: Effects on Nutrient Degradation and Digestibility;

	25. Animal Interactions with their Environment: Dairy Cows in Intensive Systems 26. Pasture Characteristics and Animal Performance27. Integration of Data in Feed Evaluation Systems; Index; A; B; C; D; E; F; G; H; I; K; L; M; N; O; P; R; S; T; U; V; W
Sommario/riassunto	The first edition of this book. Published in 1993, was very well received as providing a comprehensive review of the digestion and metabolism

conducted in the subject and knowledge has increased.

of ruminant animals. Since its publication, much new research has been