scientific basis for livestock management practices. Feed evaluation concerns the use of methods to describe animal feedstuffs with respect to their ability to sustain different types and levels of animal performance.

The main themes of the book are methods of feed evaluation, current feeding systems, and mathematical models. Thirty-two researchers from the USA, Canada, Australia, China, UK and the Netherlands have written the following 19 chapters:

1. Feed Evaluation for Animal Production (J. France, M.K. Theodorou, R.S. Lowman and D.E. Beever, 9 p.)
2. Feed Characterisation (A. Chesson, 23 p.)
3. Intake, Passage and Digestibility (D.P. Poppi, J. France and S.R. McLennan, 19 p.)
4. In Vitro and In Situ Methods for Estimating Digestibility with Reference to Protein Degradaability (G.A. Broderick and R.C. Cochran, 33 p.)
6. Feeding Systems for Dairy Cows (S. Tamminga and G. Hof, 19 p.)
7. Feeding Systems for Beef Cattle (J.G. Buchanan-Smith and D.G. Fox, 26 p.)
9. Feeding Systems for Pigs (L.I. Chiba, 29 p.)
10. Feeding Systems for Poultry (S. Leeson and J.D. Summers, 27 p.)
11. Feeding Systems for Horses (D. Cuddeford, 35 p.)
13. Analyses of Modelling Whole Rumen Function (J. Dijkstra and A. Bannink, 24 p.)
15. Modelling Growth and Wool Production in Ruminants (W.J. Gerrits and J. Dijkstra, 19 p.)
16. Modelling Growth and Lactation in Pigs (J.L. Black, 29 p.)
17. Modelling the Utilization of Dietary Energy and Amino Acids by Poultry (M.G. MacLeod, 20 p.)
18. Modelling Growth in Fish (Y. Cui and S. Xie, 22 p.)

A subject index completes the contents and is very helpful for the reader. The chapters stand fairly well alone and can be read out of sequence.

As they move into the new millennium, livestock farmers are faced with new challenges. Animals of higher genetic potential have been produced. Public concern over animal welfare, pollution of land and water and the use of genetically modified crops has meant that intensive livestock farming is now less acceptable in certain parts of the world. Malnutrition is the typical situation in other parts of the world. Fish and crustacean agriculture has increased more than threefold over the past decade, bringing with it many problems of resource allocation and pollution control. Ownership of horses and companion animals has also seen unprecedented growth, largely due to the increasing affluence and leisure time of people in the more developed regions of the world. These and further topics cover the book.
The book can be recommended as a valuable reference tool for researchers and graduate students in animal nutrition, but also undergraduates of the nutritional sciences could derive much benefit from its study.

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