

# Preface

The motivation for writing and organizing the Rumenology book was based on the lack of literature that reunited all basic and detailed information focusing only on the rumen itself. In order to accomplish this tough task, we invited some of the most renowned “Rumenologists” in the world to write some of the chapters, such as Dr. Fred Owens, Dr. TG Nagaraja, and Dr. Clint Krehbiel. Moreover, this book was organized to support graduate and undergraduate students, as well as scientists, in their studies involving the rumen in several disciplines, such as anatomy, biochemistry, physiology, microbiology, digestive metabolism, and animal nutrition. The book starts describing basic features of the rumen like anatomy and physiology and ends showing how rumen models and metabolism studies may play an important role to explore and understand the ruminal dynamics. In addition, chapters from 1 to 11 were organized on purpose in a sequence to make the learning process easier. The Rumenology book will provide to the reader all the basic aspects related to the rumen, and it will help and encourage students and scientists to further understand this fantastic compartment.

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Rumenology

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