

# **TABLE OF CONTENTS**

## **Dog Behavior: Modern Science and Our Canine Companions**

1. A Brief History of Evolutionary Theory
2. The Outward and Inward World of the Animal
3. Brain Structure and Development – Understanding Capabilities and Limitations of Mammals and Dogs
4. Sensory Perception to Interpret Behavior
5. The Science of Emotions
6. How Concepts of Costs vs. Benefits Drives Decision-Making and the Evolution of Behavior
7. Costs and Benefits of Being Social – Temperament and Personality
8. Game Theory
9. Limited Resources of Social Structure
10. Species Natural History – Behavior Associated with Mating and Social Structure.