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Altri autori (Persone)	CarrierJeffrey C MusickJohn A HeithausMichael R
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Nota di contenuto	Front Cover; Dedication; Contents; Preface; Acknowledgments; Editors; Contributors; Section I: Phylogeny and Zoogeography; 1. The Origin and Relationships of Early Chondrichthyans; 2. Elasmobranch Phylogeny: A Mitochondrial Estimate Based on 595 Species; 3. Phylogeny of Batoidea; 4. Phylogeny, Biology, and Classification of Extant Holocephalans; Section II: Form, Function, and Physiological Processes; 5. Biomechanics of Locomotion in Sharks, Rays, and Chimeras; 6. Prey Capture Behavior and Feeding Mechanics of Elasmobranchs; 7. Energetics, Metabolism, and Endothermy in Sharks and Rays 8. Food Consumption and Feeding Habits 9. Integrative Multisensor Tagging: Emerging Techniques to Link Elasmobranch Behavior, Physiology, and Ecology 10. Reproductive Biology of Elasmobranchs 11. Hormonal Regulation of Elasmobranch Physiology 12. Sensory Physiology and Behavior of Elasmobranchs 13. Recent Advances in Elasmobranch Immunology Section III: Ecology and Life History 14. Assessing the Age and Growth of Chondrichthyan Fishes 15. Population Dynamics, Demography, and Stock Assessment 16.

Genetics of Sharks, Skates, and Rays; 17. Predator-Prey Interactions  
18. An Updated Look at Elasmobranchs as Hosts of Metazoan  
Parasites19. Assessing Habitat Use and Movement

**Sommario/riassunto**

Virtually every area of research associated with sharks and their relatives has been strongly impacted by the revolutionary growth in technology. The questions we can now ask are very different than those reported even two decades ago. Modern immunological and genetic techniques, satellite telemetry and archival tagging, modern phylogenetic analysis, GIS, and bomb dating, are just a few of the techniques and procedures that have become a part of our investigative lexicon. A modern synthesis of the biology of Chondrichthyans, *Biology of Sharks and Their Relatives*, Second

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**Autore** Degl'Innocenti Donatella

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**Sommario/riassunto** This Special Issue covers original and innovative basic research regarding the anti-inflammatory potential of several classes of secondary metabolites (i.e., polyphenols, phytosterols, proteoglycans, and polysaccharides) in manifestations of acute and chronic inflammation in both *in vitro* and *in vivo* experimental models.