Contents

	Chapter 1	General introduction	9		
	Box A	Socio-cultural and economic value of sharks	21		
	Box B	Study Areas	24		
	Box C	Local perspectives on shark and ray research	28		
	Section I. Fisheries				
	Chapter 2	Industrial fishing near West African Marine Protected Areas and its potential effects on mobile marine predators	33		
	Chapter 3	Overfishing of threatened bycatch species in a marine protected area: the elasmobranchs of the Banc d'Arguin, Mauritania	53		
•	Chapter 4	Reconstructing historical population trends of threatened sharks and rays based on fisher ecological knowledge	69		
		Section II. Diversity & Life History			
	Chapter 5	Addressing data-deficiency of threatened sharks and rays in a highly dynamic coastal ecosystem using environmental DNA	91		
	Box D	Special observations in the Bijagós Archipelago	112		
•	Chapter 6	Growth,maturity, and diet of the pearl whipray (<i>Fontitrygon margaritella</i>) from the Bijagós Archipelago, Guinea-Bissau	117		
		Section III. Species Interactions			
	Chapter 7	Where land meets the sea: intertidal areas as key-habitats for sharks and rays	135		
	Chapter 8	Separated by the tide but united by resources: shared intertidal resource use by avian and marine mesopredators	163		
	Box E	Who eats the rays?	180		
•	Chapter 9	Bioturbation by benthic stingrays alters the biogeomorphology of intertidal flats	183		
		Section IV. Conservation			
	Box F	Putting sharks on the map: A global standard for improving shark area-based conservation.	206		
	Chapter 10	Opportunities and challenges in value chain analysis for sustainable management of sharks and rays	209		
	Chapter 11	General Discussion	231		
	Box G	Digging deeper: intertidal associations of shorebirds and rays	253		

References		
Author Affiliations		
Summaries	316	
Summary	317	
Samenvatting	321	
Résumé	325	
Resumo	329	
Curriculum Vitae		
List of Publications	335	
Acknowledgments/Dankwoord		
Appendices		