## **CONTENTS**

	Page
COVER	i
TITLE	ii
DECLARATION	iv
ACKNOWLEDGEMENT	vi
DEDICATION	ix
ABSTRACT- English	X
RESUMEN- Español	xiv
CONTENTS	xix
CHAPTERS	
1. General Introduction	1
1.1. Introduction	3
1.1.1. Europe's marine environments are under pressure	3
1.1.2. European seas undergo various management policies	6
1.1.3. European Marine Strategic Framework Directive (MSFD)	9
1.2. Objectives, Research questions and Hypotheses	15
1.3. Study area	20
1.4. Thesis structure	24
1.5. References	2.5

2.	Use of links between biodiversity and eutrophication qualitative descriptors of European Marine Strategic Framework Directive (MSFD) to improve marine assessments	
	Abstract	40
	Introduction	42
	Materials and Methods	44
	Results	48
	Discussion	56
	Conclusions	59
	References	60
3.	Evaluation of marine subareas of Europe using life history parameters and trophic levels of selected fish populations	71
	Abstract	75
-	Introduction	75
	Materials and Methods	76
	Results	78
	Discussion	79
	Conclusions	82
	References	82
4.	Evaluation of status of commercial fish stocks in European marine subareas using mean trophic levels of fish landings and spawning stock biomass	85
	Abstract	92
	Introduction	94
	Materials and Methods	. 96
	Results	104
	Discussion	121
	Conclusion	125

	References	126
5.	Conclusions and Recommendations	133
	5.1. Conclusions	135
	5.2. Contribution to marine and coastal management	138
	5.3. Recommendations	140
	•	
	Annexes	
	MACOMA Research Mobility Passport	14'
	Curriculum vitae of the Author	159

.