

Table of Contents

Abbreviations	x
Acknowledgements	xii
Executive Summary	xiii
Introduction	xiii
Methodology	xiii
Results and Discussion	xiv
Status and extent of mangrove cover	xiv
Socio-economic uses and benefits	xiv
Valuation of mangrove ecosystem services	xv
Business Cases in Mangrove Areas	xv
Conservation Framework for Mangroves	xvi
Conclusions	xvii
1. Introduction	xviii
1.1 Background	1
1.2 Objectives	2
1.2.1 Overall objective	2
1.2.2 Specific objectives	2
2. Methodology	4
2.1 Study Design	5
2.2 Scope of Study	5
2.2.1 Study sites	5
2.2.2 Stakeholders identification and engagement	7
2.3 Review of Literature	7
2.4 Field Surveys	8
2.4.1 Focus group discussions	8
2.4.2 Key informant interviews	8
2.4.3 Field observations	8
2.4.4 Valuation of mangrove ecosystem services	9
2.4.5 Identification of business cases	9
2.4.6 Mapping of socio-economic activities and indicators	9
2.5 Study Limitations	10
3. Results and Discussion	12
3.1 Overview	13
3.2 Socio-economic Role and Valuation of Mangroves	14
3.2.1 Mangrove cover and distribution	14
3.2.2 Socio-economic uses and benefits of mangroves	16
3.2.2.1 Socio-economic characteristics of coastal regions	16
3.2.2.2 Dependence on mangrove ecosystems and resources	17
3.2.2.2.1 Direct uses and benefits	17
3.2.2.2.2 Indirect uses	30
3.2.3 Valuation of mangrove ecosystem services	30
3.3 Business Cases in Mangrove Areas	32
Overview	32
3.3.2 Salt production: a controversial white gold industry	32

3.3.3 Mariculture.....	33
3.3.4 Eco-tourism.....	39
3.3.5 Beekeeping.....	39
3.4 Conservation Framework for Mangroves.....	42
3.4.1 Overview.....	42
3.4.2 Threats to mangroves: drivers and pressures of change	42
3.4.2.1 Anthropogenic threats.....	42
3.4.2.2 Natural threats	43
3.4.2.3 Governance threats.....	44
3.4.2.4 Impacts of threats.....	44
3.4.3 Mangrove conservation opportunities and challenges in Tanzania.....	44
3.4.3.1 Designation of mangroves as state forest reserves.....	44
3.4.3.2 Institutional, policy and legal instruments.....	45
3.4.3.3 Multiple institutions and sectoral complexity	47
3.4.3.4 Practicing mangrove management and conservation.....	49
3.4.3.4.1 Management plans	49
3.4.3.4.2 Participatory forest management.....	49
3.4.3.4.3 Restoration: what, when, where and how	50
3.4.3.4.4 Marine Protected Areas.....	52
3.4.3.4.5 Integrated coastal zone management.....	52
3.4.3.4.6 Marine spatial planning.....	52
4. Conclusions and Recommendations.....	54
References	58
Annexes	64
Annex 2.1. List of participants to the stakeholders meeting to raise awareness on mangrove conservation for Tanzania held on 26-27 November 2020, Protea Hotel Courtyard, Dar es Salaam.....	65
Annex 2.2. List of participants to the national stakeholders meeting to raise awareness on the Western Indian Ocean Mangrove Network held on 17 November 2021, Double Tree Hotel, Zanzibar	66
Annex 2.3. List of field consulted individuals and their affiliations.....	68
Annex 2.4. Summary of field notes of selected activities.....	70
Salt Works.....	70
Beekeeping	71
Fish farming.....	71