

Table of contents

Dedication.....	iv
Acknowledgments.....	v
المستخلص.....	vi
Abstract	vii
Table of contents.....	ix
List of Tables.....	xi
List of Figures	xii
List of Acronyms.....	xiii
1. Chapter One: Introduction	1
1.1 Research outline	1
1.2 Political situation and constraints	1
1.3 Institutional and organizational arrangements	2
1.4 Characteristics of the study area	4
1.4.1 Ramallah city	4
1.4.2 Jericho city.....	7
1.4.3 Population.....	9
1.5 Solid waste characterization	10
1.6 Solid waste management	13
1.7 Perception and willingness of household towards solid waste management	15
1.8 Environmental economy	16
1.9 Landfill selection	17
1.10 Solid waste status and challenges in the West Bank.....	18
1.11 Research objectives	20
2. Chapter Two: Research Methodology.....	21
2.1 Introduction	21
2.2 The stakeholder survey	21
2.3 The household survey	22
2.3.1 Estimation of sample size and distribution	23
2.4 Solid waste quantification	25
2.5 Solid waste characterization	26
2.5.1 Procedure of solid waste characterization.....	26
2.5.2 Execution of solid waste characterization.....	27
2.6 Observation	28
3. Chapter Three: Research results and discussions.....	33
3.1 Legislative framework.....	33
3.2 Municipal solid waste management (MSWM) in the study area.....	34
3.2.1 Entitled authorities for MSWM in the study area	34
3.2.2 Environmental awareness and incentives	35
3.2.3 Storage and collection in the municipal solid waste management.....	36
3.2.4 Disposal systems.....	39
3.2.5 Cost and tariff setting.....	40
3.2.6 Problems encountered in the solid waste management in the study area.....	46
3.2.7 Solid waste management performance indicators in the study area.....	47
3.3 Community survey	50
3.3.1 Demographics of the study area.....	50
3.3.2 Solid waste collection	52
3.3.3 Environmental concerns and awareness	55
3.3.4 Reuse and recycling concerns.....	57
3.3.5 Variation in citizens' response based on independent variable groups.....	62

3.4	Solid waste quantification and characterization	66
3.4.1	Solid waste quantification in the study area.....	66
3.4.2	Solid waste characterization	68
4.	Conclusions and Recommendations	75
4.1	Legislative framework and institutional involvement	75
4.2	Environmental awareness and incentives	76
4.3	Storage and collection systems	77
4.4	Waste quantification and characterization	80
4.5	Proposed integrated solid waste management system	81
5.	References	85
6.	Annex 01: Institutional questionnaire	90
7.	Annex 02: Household questionnaire	100
8.	Annex 03: Solid waste characterization data sheets.....	107