

CONTENTS

Foreword by José Rubens Morato Leite and Melissa Ely Melo ix

Foreword xii

Acknowledgements xiii

List of abbreviations and acronyms xv

Introduction

How to read this book: define your own route 1

PART ONE

The socio-ecological problem of waste 11

01 The waste crisis: origins and causes 13

Introduction 13

Waste: a contemporary problem 14

Social metabolism and the transfer of socio-ecological costs 28

Modern Western thinking: the mechanistic paradigm 40

Final considerations 74

02 Waste as a problem of justice 78

Introduction 78

The environmental movement and its schools of thought 81

Some challenges and limitations of the schools of thought 92

The ‘what’ and the ‘who’ of justice for socio-ecological issues 106

Final considerations 138

03 Models to overcome the waste crisis 142

Introduction 142

Epistemological and geopolitical paradigm shifts 143

Paradigm shifts in economics 157

Paradigm shifts in law 174

Final considerations 190

PART TWO**A new waste management system for a sustainable and just future 195****04 Waste as a legal problem 197**

Introduction 197

Waste: legal concepts and classifications 200

Waste management: legal regimes 227

Final considerations 259

05 Legal regulation of cross-border waste transfer 264

Introduction 264

International regulations: the Basel Convention and the OECD Decision 265

Regional and national regulations: the EU and Brazil 293

Final considerations 321

06 Global governance and the management of waste 325

Introduction 325

Governance of material flows 326

Global waste management: strategies to overcome the global waste crisis 336

Final considerations 367

Conclusion 369*References 375**Index 386*