Contents

Introduction 1
J.C. Dagar and P.S. Minhas

Global Perspectives on Agroforestry for the Management of Salt-affected Soils 5
J.C. Dagar and P.S. Minhas

Use of Tree Plantations in Water-table Drawdown and Combating Soil Salinity 33
P.S. Minhas and J.C. Dagar

Prospects for Managing Salinity in Southern Australia Using Trees on Farmland 49
Nico Marcar

Models for Estimating Evapotranspiration of Irrigated Eucalypt Plantations 73
S. Theiveyanathan, R.G. Benyon, V. Koul, R.K. Yadav, and R.I.S. Gill

Perspectives for Bio-management of Salt-affected and Waterlogged Soils in Pakistan 97
A.S. Qureshi

Combating Waterlogging in IGNP Areas in Thar Desert (India): Case Studies on Biodrainage 109
M.M. Roy, N.D. Yadava, M.L. Soni, and J.C. Tewari

Agroforestry to Rehabilitate the Indian Coastal Saline Areas 121
J.C. Dagar and P.S. Minhas

Saline Irrigation for Productive Agroforestry Systems 145
J.C. Dagar and P.S. Minhas

Potential of Wastewater Disposal Through Tree Plantations 163
R.K. Yadav, P.S. Minhas, Khajanchi-Lal, and J.C. Dagar

Tree Plantations in Saline Environments: Ecosystem Services, Carbon Sequestration and Climate Change Mitigation 181
S.R. Gupta, J.C. Dagar, and Mukesh Kumar

Synthesis and Way Forward: Agroforestry for Waterlogged Saline Soils and Poor-quality Waters 197
P.S. Minhas and J.C. Dagar

Index 203