## Contents

1. Soil Carbon Impacts on Functionality and Environmental Sustainability ............................................ 1  
   Rattan Lal

   Pandi Zdruli, Rattan Lal, Michael Cherlet and Selim Kapur

3. Terrestrial Ecosystem Carbon Dynamics as Influenced by Land Use and Climate .......................... 27  
   Sabit Erşahin, Selim Kapur, Gönül Aydın, Erhan Akça, Doğanay Tolunay, Özden Görücü, Gülay Karahan and Bayram C. Bilgili

4. EU Emissions Trading Scheme Application in Bulgaria, Greece and Romania from 2008 to 2012 ...................... 45  
   Christina-Stavrula Hatzilau, Dionysios Giannakopoulos, Sotirios Karellas and Emmanuel Kakaras

5. Indigenous Egyptian Nubians and Climate Change Mitigation . . . 61  
   Essam Hassan Mohamed Ahmed

6. Carbon Trading Via Exports: Comparison of the Emissions Embodied in Exports in China and Turkey  ............. 73  
   Nejat Erk and Ali Vural Cengiz

   Egemen Sulukan, Mustafa Sağlam and Tanay Sdıktı Uyar

8. Cost-Benefit Assessment of Implementing LULUCF Accounting Rules in Turkey  ................................ 89  
   Olivier Bouyer and Yusuf Serengil
9 Carbon Certification of Afforestation and Reforestation
Areas in Turkey .................................................. 131
Melike Kuş, Hüma Ülgen, Yusuf Güneş, Rüstem Kiriş, Ali Özel
and Uğur Zeydanlı

10 Carbon Sequestration and Mycorrhizae in Turkish Soils .......... 139
İbrahim Ortaş, Rattan Lal and Selim Kapur

About the Editors ................................................ 151
About the Authors .............................................. 155
About this Book .................................................. 157
Carbon Management, Technologies, and Trends in Mediterranean Ecosystems
2017, X, 158 p. 58 illus., 41 illus. in color., Softcover
ISBN: 978-3-319-45034-6