

Contents

1	Soil Carbon Impacts on Functionality and Environmental Sustainability	1
	Rattan Lal	
2	New World Atlas of Desertification and Issues of Carbon Sequestration, Organic Carbon Stocks, Nutrient Depletion and Implications for Food Security	13
	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	
7	Energy–Economy–Ecology–Engineering (4E) Integrated Approach for GHG Inventories	79
	Egemen Sulukan, Mustafa Sağlam and Tanay Sıdkı 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 Kırış, 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

Erşahin, S.; Kapur, S.; Akça, E.; Namlı, A.; Erdoğan, H.E.
(Eds.)

2017, X, 158 p. 58 illus., 41 illus. in color., Softcover

ISBN: 978-3-319-45034-6