
Preface

There is broad agreement that, as far as possible, soils should be protected against inappropriate use by other expanding sectors of a national economy, primarily in order to sustain the natural resources and the social welfare of individual countries and of the global community. This is especially important for those countries that have already attained a broadly acceptable standard of living but are ambitious to attain even higher levels. In this context Turkey offers a salutary example, since the rapid growth in the Turkish economy and industry over the past few decades has been achieved, at least in part, at the expense of a national loss of prime soil and related resources through urban expansion and the enhanced space and resource requirements of large-scale industry.

Moreover, both gigantic and smaller scale projects based on irrigation have been implemented widely over recent decades within many regions of Turkey. Many of these have been justified as a means of alleviating rural poverty and enhancing regional economies and income generation. Regrettably, however, the planning and implementation of these irrigation projects have been based primarily on the manifold requirements and availability of a reliable water supply but, in general, less attention has been devoted to soil properties data. Such an approach effectively ignores the bulk of the substantial body of data and maps concerning soil properties that have been generated previously to assist in crop and sustainable water management. Thus, the ultimate aim of this book is to provide an explanatory review of the soils of this country and to summarize the knowledge accumulated over many decades concerning their formation and contemporary management.

Furthermore, some of the topics described in this updated version provide important clues and criteria that relate to a future Sustainable Land Management approach partly established on the historical ecosystem-based soil use, more precisely on the ‘Soil Ecosystems’ and/or the ‘Anthroscapes’. The soil-nomenclature team that attempted to achieve this goal was chaired by Prof. Dr. Mehmet Ali Çullu of the Harran University and comprised the Editors and a selection of the article authors, chosen on the basis of their substantial research record on pertinent topics, both in the field and in the GIS environment. This group comprised Profs. Erhan Akça (Adıyaman University), Salih Aydemir (Harran University), Ertuğrul Aksoy (Uludağ University), Gönül Aydın (Adnan Menderes University), Orhan Dengiz (Ondokuz Mayıs University), Sabit Erşahin (Çankırı Karatekin University), Mahmut Dingil (Çukurova University), Özden Görücü (Kahramanmaraş Sütçü İmam University), Yusuf Kurucu (Ege University), Hasan Özcan (Onsekiz Mart University), and Mustafa Sarı (Akdeniz University) in alphabetical order.

The editorial board is also highly indebted to the following reviewers: Profs. Joselito Arocena (University of Northern British Columbia, Canada), Angel Faz Cano (Polytechnic University of Cartagena, Spain), Orhan Dengiz (Ondokuz Mayıs University), Emin Bülent Erenöğlu (Çukurova University), Muhsin Eren (Mersin University), Sabit Erşahin (Çankırı Karatekin University), Selahattin Kadir (Osmangazi University), Salvatore Madrau (Sassari University, Italy), Hasan Özcan (Onsekiz Mart University), Franco Previtali (University of Milan-Bicocca, Italy), Mustafa Sarı (Akdeniz University), Suat Şenol (Çukurova University), Pandi Zdruli (MAI-Bari, Italy), and Claudio Zucca (ICARDA, Amman, Jordan). We gladly

acknowledge Prof. Ahmet R. Mermut for his help in peer reviewing a number of the submitted articles and also for his valuable suggestions on the reconstruction of the chapters related to the soils. Ms. Corina van der Giessen (Springer editorial) is highly acknowledged for her continuous encouragement and valuable efforts devoted during the preparation of the book. Thanks are due to Suresh Rettagunta (Springer Chennai), Yaprak Tanrıverdi and Osman Dolaş (Adıyaman University) for their efforts in designing the book layout. Finally, we are highly indebted for the valuable suggestions raised by Prof. Alfred Hartemink (Editor of the “Soils of the World” series) which made this book a worthwhile achievement.

Adana, Turkey
Adıyaman, Turkey
Tokat, Turkey

Selim Kapur
Erhan Akça
Hikmet Günel

The Soils of Turkey

Kapur, S.; Akça, E.; Günal, H. (Eds.)

2018, XIII, 369 p. 324 illus., 275 illus. in color.,

Hardcover

ISBN: 978-3-319-64390-8