

# Contents

<b>The Role of Soil Micromorphology in the Light of the European Thematic Strategy for Soil Protection</b> .....	1
W. E. H. Blum	
<b>Soil Micromorphology and Soil Hydraulics</b> .....	5
Marcello Pagliai and Miroslav Kutilek	
<b>Micromorphology of a Soil Catena in Yucatán: Pedogenesis and Geomorphological Processes in a Tropical Karst Landscape</b> .....	19
Sergey Sedov, Elizabeth Solleiro-Rebolledo, Scott L. Fedick, Teresa Pi-Puig, Ernestina Vallejo-Gómez, and María de Lourdes Flores-Delgadillo	
<b>Soil Evolution Along a Toposequence on Glacial and Periglacial Materials in the Pyrenees Range</b> .....	39
Jaume Boixadera, Montserrat Antúnez, and Rosa Maria Poch	
<b>A Micromorphological Study of Andosol Genesis in Iceland</b> .....	67
G. Stoops, M. Gérard, and O. Arnalds	
<b>Improved Paleopedological Reconstruction of Vertic Paleosols at Novaya Etuliya, Moldova Via Integration of Soil Micromorphology and Environmental Magnetism</b> .....	91
A. Tsatskin, T.S. Gendler, and F. Heller	
<b>Ferricretes in Tamil Nadu, Chennai, South-Eastern India: From Landscape to Micromorphology, Genesis, and Paleoenvironmental Significance</b> .....	111
Hema Achyuthan and N. Fedoroff	
<b>Palygorskite Dominated Vertisols of Southern Iran</b> .....	137
A. Heidari, S. Mahmoodi, and G. Stoops	

<b>Contribution of Micromorphology to Classification of Aridic Soils</b> . . . . .	151
Maria Gerasimova and Marina Lebedeva	
<b>Orientation and Spacing of Columnar Peds in a Sodic, Texture Contrast Soil in Australia</b> . . . . .	163
P.G. Walsh and G.S. Humphreys	
<b>Physical Fractionation and Cryo-Coupe Analysis of Mormoder Humus</b> . . . . .	199
J. van Mourik and S. Blok	
<b>Regional Manifestation of the Widespread Disruption of Soil-Landscapes by the 4 kyr BP Impact-Linked Dust Event Using Pedo-Sedimentary Micro-Fabrics</b> . . . . .	211
Marie-Agnès Courty, Alex Crisci, Michel Fedoroff, Kliti Grice, Paul Greenwood, Michel Mermoux, David Smith, and Mark Thiemens	
<b>Clay Illuviation in a Holocene Palaeosol Sequence in the Chinese Loess Plateau</b> . . . . .	237
He Xiubin, Bao Yuhai, Hua Lizhong and Tang Keli	
<b>Soil Microstructure and Solution Chemistry of a Compacted Forest Soil in a Sub-Boreal Spruce Zone in Canada</b> . . . . .	253
J. M. Arocena, Z. Chen and P. Sanborn	
<b>Index</b> . . . . .	273