
Contents

1	Introduction	1
	Tomáš Pánek and Jan Hradecký	
Part I Physical Environment		
2	Geology and Tectonic Development of the Czech Republic	7
	Radomír Grygar	
3	Climate in the Past and Present in the Czech Lands in the Central European Context	19
	Jan Hradecký and Rudolf Brázdil	
4	Long-Term Geomorphological History of the Czech Republic	29
	Tomáš Pánek and Veronika Kapustová	
Part II Landscapes and Landforms		
5	The Geomorphological Evolution and Environmental Hazards of the Prague Area	43
	Jan Kalvoda and Břetislav Balatka	
6	The Bohemian Karst: A Condensed Record of Landscape and Living Nature Evolution	59
	Karel Žák, Pavel Bosák, and Jiří Bruthans	
7	Brdy Highland: A Landscape Shaped in the Periglacial Zone of Quaternary Glacials	73
	Karel Žák	
8	Bohemian Forest: Landscape and People on the Frontier	87
	Pavel Mentlík	
9	Morphology of the Youngest Little Volcanoes in Western Bohemian Massif	101
	Jan Mrlina	
10	The Krušné Hory Mts.—The Longest Mountain Range of the Czech Republic	113
	Vít Vilímek and Pavel Raška	
11	Elbe Sandstones	123
	Zuzana Vařilová	
12	Neovolcanic Terrain of the České Středohoří Mountains.	139
	Pavel Raška and Vladimír Cajz	

13	The Kokořín Area: Sandstone Landforms Controlled by Hydrothermal Ferruginization	153
	Jiří Adamovič	
14	Jizerské Hory—an Interplay of Rock Control, Faulting and Inland Glaciation in the Evolution of a Granite Terrain	165
	Piotr Migoń	
15	Krkonoše Mountains: A Case Study of Polygenetic Relief.	177
	Vlastimil Pilous	
16	Bohemian Paradise: Sandstone Landscape in the Foreland of a Major Fault.	195
	Jan Mertlík and Jiří Adamovič	
17	Adršpach-Teplice Rocks and Broumov Cliffs—Large Sandstone Rock Cities in the Central Europe	209
	Jan Vítěk	
18	Žďárské Vrchy Highland—Geomorphological Landscape in the Top Part of the Bohemian-Moravian Highland with the Unique Crystalline Rocks Forms	221
	Karel Kirchner	
19	The Dyje Canyon-like Valley: Geomorphological Landscape of Deep Valley at the Eastern Part of the Marginal Slope of Bohemian Massif.	233
	Karel Kirchner	
20	The Moravian Karst: An Interconnection Between Surface and Subsurface Natural Sceneries	249
	Jaroslav Kadlec and Petr Neruda	
21	Region of the Rychlebské Hory Mountains—Tectonically Controlled Landforms and Unique Landscape of Granite Inselbergs (Sudetic Mountains)	263
	Petra Štěpančíková and Jakub Stemberk	
22	Periglacial Landforms of the Hrubý Jeseník Mountains	277
	Marek Křížek	
23	Litovelské Pomoraví—Landscape Around Anastomosing River Pattern of Morava	291
	Zdeněk Máčka	
24	The Nízký Jeseník—Highland with Abandoned Deep Mines	305
	Jan Lenart	
25	Black Land: The Mining Landscape of the Ostrava-Karviná Region.	319
	Monika Mulková, Petr Popelka, and Renata Popelková	
26	Poodří—Landscape of Ponds and a Preserved Meander Belt of the Odra River	333
	Jan Hradecký, Radek Dušek, Marián Velešík, Monika Chudaničová, Václav Škarpich, Radim Jarošek, and Jan Lipina	
27	Landslide Landscape of the Moravskoslezské Beskydy Mountains and Their Surroundings	347
	Tomáš Pánek and Jan Lenart	

28	Strážnické Pomoraví—Holocene Evolution of a Unique Floodplain and Aeolian Landforms	361
	Zdeněk Máčka and Jaroslav Kadlec	
29	Limestone Klippen of the Pavlov Hills	373
	Tomáš Pánek, Jan Miklín, and Karel Kirchner	
Part III Geoheritage and Geotourism		
30	Geomorphological Heritage and Geoconservation in the Czech Republic	387
	Lucie Kubalíková	
31	Promoting Geomorphological Heritage: Bringing Geomorphology to People	399
	Lucie Kubalíková	
Index		411



<http://www.springer.com/978-3-319-27536-9>

Landscapes and Landforms of the Czech Republic

Pánek, T.; Hradecký, J. (Eds.)

2016, XV, 422 p. 330 illus., 36 illus. in color., Hardcover

ISBN: 978-3-319-27536-9