
Contents

1	Introduction to the Landscapes and Landforms of Italy	1
	Mauro Soldati and Mauro Marchetti	
Part I Physical Environment		
2	The Great Diversity of Italian Landscapes and Landforms: Their Origin and Human Imprint	7
	Mauro Marchetti, Mauro Soldati, and Vittoria Vandelli	
3	Outline of the Geology of Italy	21
	Alfonso Bosellini	
4	The Climate of Italy	29
	Simona Fratianni and Fiorella Acquavota	
5	Morphological Regions of Italy	39
	Paola Fredi and Elvidio Lupia Palmieri	
Part II Landscapes and Landforms		
6	The Glaciers of the Valle d'Aosta and Piemonte Regions: Records of Present and Past Environmental and Climate Changes	77
	Marco Giardino, Giovanni Mortara, and Marta Chiarle	
7	Landscapes of Northern Lombardy: From the Glacial Scenery of Upper Valtellina to the Prealpine Lacustrine Environment of Lake Como	89
	Irene Bollati, Manuela Pelfini, and Claudio Smiraglia	
8	The Adamello-Presanella and Brenta Massifs, Central Alps: Contrasting High-Mountain Landscapes and Landforms	101
	Alberto Carton and Carlo Baroni	
9	Large Ancient Landslides in Trentino, Northeastern Alps, as Evidence of Postglacial Dynamics	113
	Alberto Carton	
10	The Dolomite Landscape of the Alta Badia (Northeastern Alps): A Remarkable Record of Geological and Geomorphological History	123
	Mauro Marchetti, Alessandro Ghinai, and Mauro Soldati	
11	The Vajont Valley (Eastern Alps): A Complex Landscape Deeply Marked by Landsliding	135
	Alessandro Pasuto	
12	Karst Landforms in Friuli Venezia Giulia: From Alpine to Coastal Karst	147
	Franco Cucchi and Furio Finocchiaro	

13 The Tagliamento River: The Fluvial Landscape and Long-Term Evolution of a Large Alpine Braided River	157
Nicola Surian and Alessandro Fontana	
14 Lake Garda: An Outstanding Archive of Quaternary Geomorphological Evolution	169
Carlo Baroni	
15 Geomorphological Processes and Landscape Evolution of the Lagoon of Venice	181
Aldino Bondesan	
16 The Po Delta Region: Depositional Evolution, Climate Change and Human Intervention Through the Last 5000 Years	193
Marco Stefani	
17 Landscapes and Landforms Driven by Geological Structures in the Northwestern Apennines	203
Luisa Pellegrini and Pier Luigi Vercesi	
18 Fingerprints of Large-Scale Landslides in the Landscape of the Emilia Apennines	215
Giovanni Bertolini, Alessandro Corsini, and Claudio Tellini	
19 Mud Volcanoes in the Emilia-Romagna Apennines: Small Landforms of Outstanding Scenic and Scientific Value	225
Doriano Castaldini and Paola Coratza	
20 The Outstanding Terraced Landscape of the Cinque Terre Coastal Slopes (Eastern Liguria)	235
Pierluigi Brandolini	
21 Tuscany Hills and Valleys: Uplift, Exhumation, Valley Downcutting and Relict Landforms	245
Mauro Coltorti, Pier Lorenzo Fantozzi, and Pierluigi Pieruccini	
22 Landscapes and Landforms of the Duchy of Urbino in Italian Renaissance Paintings	257
Olivia Nesci and Rosetta Borchia	
23 Rocky Cliffs Joining Velvet Beaches: The Northern Marche Coast	271
Daniele Savelli, Francesco Troiani, Paolo Cavitolo, and Olivia Nesci	
24 The Typical Badlands Landscapes Between the Tyrrhenian Sea and the Tiber River	281
Maurizio Del Monte	
25 The Tuff Cities: A ‘Living Landscape’ at the Border of Volcanoes in Central Italy	293
Claudio Margottini, Laura Melelli, and Daniele Spizzichino	
26 A Route of Fire in Central Italy: The Latium Ancient Volcanoes	303
Paola Fredi and Sirio Ciccacci	
27 Relief, Intermontane Basins and Civilization in the Umbria-Marche Apennines: Origin and Life by Geological Consent	317
Marta Della Seta, Laura Melelli, and Gilberto Pambianchi	
28 The Terminillo, Gran Sasso and Majella Mountains: The ‘Old Guardians’ of the Tyrrhenian and Adriatic Seas	327
Tommaso Piacentini, Marcello Buccolini, and Enrico Miccadei	

29	<i>Aeternae Urbis Geomorphologia—Geomorphology of Rome, Aeterna Urbs</i>	339
	Maurizio Del Monte	
30	Granite Landscapes of Sardinia: Long-Term Evolution of Scenic Landforms	351
	Rita T. Melis, Felice Di Gregorio, and Valeria Panizza	
31	The Coastal Dunes of Sardinia: Landscape Response to Climate and Sea Level Changes	365
	Rita T. Melis, Felice Di Gregorio, and Valeria Panizza	
32	The Terrestrial and Submarine Landscape of the Tremiti Archipelago, Adriatic Sea	377
	Enrico Miccadei, Tommaso Piacentini, and Francesco Mascioli	
33	Vesuvius and Campi Flegrei: Volcanic History, Landforms and Impact on Settlements	389
	Pietro P.C. Aucelli, Ludovico Brancaccio, and Aldo Cinque	
34	Sorrento Peninsula and Amalfi Coast: The Long-Term History of an Enchanting Promontory	399
	Aldo Cinque	
35	The Coastal Landscape of Cilento (Southern Italy): A Challenge for Protection and Tourism Valorisation	409
	Alessio Valente, Paolo Magliulo, and Filippo Russo	
36	The Salento Peninsula (Apulia, Southern Italy): A Water-Shaped Landscape Without Rivers	421
	Giuseppe Mastronuzzi and Paolo Sansò	
37	The Landscape of the Aspromonte Massif: A Geomorphological Open-Air Laboratory	431
	Gaetano Robustelli and Marino Sorriso-Valvo	
38	Volcanic Landforms and Landscapes of the Aeolian Islands (Southern Tyrrhenian Sea, Sicily): Implications for Hazard Evaluation	443
	Federico Lucchi, Claudia Romagnoli, and Claudio Antonio Tranne	
39	Geomorphology of the Capo San Vito Peninsula (NW Sicily): An Example of Tectonically and Climatically Controlled Landscape	455
	Valerio Agnesi, Christian Conoscenti, Cipriano Di Maggio, and Edoardo Rotigliano	
40	Landforms and Landscapes of Mount Etna (Sicily): Relationships Between a Volcano, Its Environment and Human Activity	467
	Stefano Branca, David Chester, Emanuela De Beni, and Angus Duncan	
41	Pantelleria Island (Strait of Sicily): Volcanic History and Geomorphological Landscape	479
	Silvio G. Rotolo, Valerio Agnesi, Christian Conoscenti, and Giovanni Lanzo	
Part III Geoheritage		
42	Geoheritage in Italy	491
	Maria Cristina Giovagnoli	
43	Geomorphodiversity in Italy: Examples from the Dolomites, Northern Apennines and Vesuvius	501
	Mario Panizza and Sandra Piacente	

44	Goethe's Italian Journey and the Geological Landscape	511
	Paola Coratza and Mario Panizza	
45	Wine Landscapes of Italy	523
	Vincenzo Amato and Mario Valletta	
Index	537

<http://www.springer.com/978-3-319-26192-8>

Landscapes and Landforms of Italy

Soldati, M.; Marchetti, M. (Eds.)

2017, XXIII, 539 p. 423 illus., 373 illus. in color.,

Hardcover

ISBN: 978-3-319-26192-8