

CONTENTS

Preface		vii
Chapter 1	Flood Basalts, Mantle Plumes and Asteroid Impacts: Review and Analysis Heinz-Jürgen Brink	1
Chapter 2	Basalt-Crust Interaction Processes: Insights from Experimental Petrology Silvio Mollo, Piergiorgio Scarlato, Carmela Freda and Mario Gaeta	33
Chapter 3	Arc Basalt: Composition and Magma Source Hossein Azizi	63
Chapter 4	Origin of Quaternary Low-K Basalts in Rear Arc Side of NE Japan Masao Ban	95
Chapter 5	Dissolution Reaction of Basalt and Underground Sequestration of CO ² in Deep Basaltic Aquifers in Japan N. Shikazono, Y. Harada, H. Kashiwagi and N. Ikeda	115
Chapter 6	Basalt and E-Glass Continuous Fibers as Reinforcement in Thermally Stable Composites with Partially Pyrolysed Polysiloxane Matrix Martin Černý, Zbyněk Sucharda, Petr Glogar, Adam Strachota and Viktor Goliáš	145
Chapter 7	Modern Basalt Fibrous Materials and Basalt Fiber Based Polymeric Composites A. A. Dalinkevich, K. Z. Gumargalieva, S. S. Marakhovsky and A. V. Soukhanov	159
Index		181