Contents

Munir Ashraf 1 Introduction — 1
Madeha Jabbar, Khubab Shaker 2 Textile Raw Materials —— 13
Zulfiqar Ali 3 Yarn Manufacturing —— 35
Khubab Shaker, Muhammad Imran Khan 4 Woven Fabrics — 59
Muhammad Umair 5 Nonwovens — 73
Waqas Ashraf, Habib Awais, Adeel Abbas 6 Knitted and Braided Fabrics — 85
Tanveer Hussain 7 Textile Processing —— 105
Abher Rasheed 8 Clothing —— 137
Madeha Jabbar, Yasir Nawab 9 Recent Developments in Technical Textiles —— 159
Sheraz Ahmad, Faheem Ahmad 10 Textile Testing —— 179
Sajjad Ahmad Baig 11 Quality Control and Quality Assurance —— 201
Muhammad Zohaib Fazal, Syed Talha Ali Hamdani 12 Computer Applications in Textiles —— 217
Muzzamal Hussain, Syed Hamza Gillani, Shahood Uz Zaman 13 Life Cycle Analysis of Textiles —— 229

Anum Nosheen, Munir Ashraf, Saba Akram

14 Environmental Issues and Sustainability in Textile Industry —— 253

Khubab Shaker, Yasir Nawab

15 Research Trends and Challenges in Textiles —— 269

Index — 279