

Foreword	5
1 Dimension Stones	8
1.1 Dimension Stones Locations	18
1.2 Slovak Dimension Stones Quality Assessment	19
2 Quarrying and Processing of Dimension Stones	30
2.1 Opening, Preparation, and Extraction Plan (OPEP)	31
2.2 Dimension Stones Extraction	34
2.2.1 Conventional Methods of Dimension Stones Extraction	37
2.2.1.1 Extraction by Wedging	37
2.2.1.2 Extraction by Boring and Blasting	39
2.2.1.3 Expansive Cement Mixtures	41
2.2.1.4 Wire Saws for Dimension Stones Extraction	43
2.2.1.5 Dimension Stones Extraction by Wire Saws and Circular Saws	47
2.3 Processing Technologies	53
2.3.1 Dimension Stones Processing Methods	55
3 Innovation in the Dimension Stones Production Quality	62
3.1 Quality Management in the Stonemasonry Process	62
3.2 Innovations in the Dimension Stone Production	64
3.2.1 Impact of Implementation of the High-Tech and Ecological (Clean) Technology in the Production Process	75
Conclusion	77
References	79