

Edited by **Douglas Fettes**
and **Jacqueline**
Desmons

Metamorphic Rocks

A Classification and
Glossary of Terms

Recommendations of the
International Union of Geological
Sciences Subcommittee
on the Systematics of
Metamorphic Rocks



CAMBRIDGE

Contents

<i>List of figures</i>	page vii
<i>List of tables</i>	viii
<i>List of contributing authors</i>	ix
<i>Preface</i>	xi
<i>Acknowledgments</i>	xii
1 Introduction	1
2 Classification and nomenclature scheme	3
2.1 How to name a metamorphic rock	3
SCHMID, FETTES, HARTE, DAVIS, DESMONS	
2.2 Types, grade and facies of metamorphism	16
SMULIKOWSKI, DESMONS, FETTES, HARTE, SASSI, SCHMID	
2.3 Structural terms including fault rock terms	24
BRODIE, FETTES, HARTE	
2.4 High <i>P/T</i> metamorphic rocks	32
DESMONS, SMULIKOWSKI	
2.5 Very low- to low-grade metamorphic rocks	36
ÁRKAI, SASSI, DESMONS	
2.6 Migmatites and related rocks	43
WIMMENAUER, BRYHNI	
2.7 Metacarbonate and related rocks	46
ROSEN, DESMONS, FETTES	
2.8 Amphibolite and Granulite	51
COUTINHO, KRÄUTNER, SASSI, SCHMID, SEN	
2.9 Metasomatism and metasomatic rocks	58
ZHARIKOV, PERTSEV, RUSINOV, CALLEGARI, FETTES	
2.10 Contact metamorphic and associated rocks	69
CALLEGARI, PERTSEV	
2.11 Impactites	82
STÖFFLER, GRIEVE	
2.12 List of mineral abbreviations	93
SIIVOLA, SCHMID	
3 Glossary	111
3.1 Introduction	111
3.2 Alphabetical list of recommended and restricted terms	114

Contents

3.3	List of recommended and restricted terms by subject	119
3.4	Main types of metamorphism with selected synonyms	125
3.5	Glossary	126
4	References	205
	<i>Appendix A</i>	243
A.1	List of Subcommission members	243
A.2	List of Leaders of Study Groups	243
A.3	List of Working Group members	243