

Preface

Study of microstructures is an indispensable component of understanding structural geology of any terrain. A number of 'new' microscopic structures, such as 'flanking microstructures', trapezoid-shaped mineral grains, micro-duplexes, reversal of ductile shear sense, migration of grain boundaries, pull-aparts of V- and parallel types, and new minerals nucleated inside host minerals have recently been described in individual papers. However, for the sake of brevity, these microstructural papers could not present numerous variations in their morphologies. *This book aims to highlight these structures selectively.* Nearly all these photomicrographs come from different western Himalayan shear zones. Ductile and brittle shear senses, where possible to interpret, have been referred in the captions. This book starts with photos of mineral fish that are perhaps the most common ductile shear sense indicators. Captions for photographs have intentionally been kept brief. For full-length discussion of these structures, kindly consult the 'References' section. Students and researchers of structural geology will find this book useful. Please send me comments and counter-arguments on interpretations of the presented microstructures at: soumyajitm@gmail.com

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Mukherjee, S.

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