

Himalayan Tectonics

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The Himalayan chain has long been recognized as a spectacular example of the result of continent–continent collision, in this case, the result of the closure of Tethys and the subsequent collision and indentation of the Indian plate into the collage of plates or terranes that made up Central Asia some 50 Ma ago. Although the effects of that collision are recognized over a much larger region than that of the Himalaya alone, the Himalayan region forms an excellent field laboratory in which to study the, still continuing, orogenic-related processes of deformation, crustal thickening, metamorphism and melting, and foreland basin evolution.

The studies that make up this volume represent all aspects of the geological sciences and have been divided into six regionally and tectonically distinct settings: Karakoram and Afghanistan; North and West Pakistan; Tethyan Himalaya; High Himalaya; Main Central Thrust Zone; Main Boundary Thrust, Lesser Himalaya and beyond.

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