

# Tectonic Plate Reconstructions Revealing the Formation of the Himalayan Mountain

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**Abstract:** *The Himalayan mountain range, home to some of the world's highest peaks and an awe-inspiring geological wonder, has long intrigued scientists seeking to unravel the mysteries of its formation. This paper delves into the remarkable journey of discovery made possible by tectonic plate reconstructions, shedding light on the complex processes that gave rise to this majestic mountain system. Through an interdisciplinary approach that combines geological, geophysical, and paleontological evidence, we present a comprehensive analysis of the tectonic evolution of the Himalayas.*

**Keywords:** Plate boundary interactions, Geological history, Continental collision

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