

Tropical Geomorphology

By Avijit Gupta



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Although similar geomorphic processes take place in other regions, in the tropics these processes operate at different rates and with varying intensities. Tropical geomorphology therefore provides many new discoveries regarding geomorphic processes. This textbook describes both the humid and arid tropics. It provides thoroughly up-to-date concepts and relevant case studies, and emphasises the importance of geomorphology in the management and sustainable development of the tropical environment, including climate change scenarios. The text is supported by a large number of illustrations, including satellite images. Student exercises accompany each chapter. Tropical Geomorphology is an ideal textbook for any course on tropical geomorphology or the tropical environment, and is also invaluable as a reference text for researchers and environmental managers in the tropics.



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Editorial Review

Review

"the textbook provides an excellent synthesis of current knowledge on the geomorphology of tropics, with numerous examples and good illustrations. The textbook will undoubtedly become an essential reference for researchers and graduate students interested in tropics. The book would also serve as very useful text for other disciplines, particularly the field sciences such as ecology, archaeology, environmental sciences and forestry." - Vishwas S. Kale, Journal of the Geological Society of India January 2012

About the Author

Avijit Gupta is an Honorary Principal Fellow at the University of Wollongong, Australia, and a Visiting Scientist at the Centre for Remote Imaging, Sensing and Processing, National University of Singapore. He was educated at Presidency College, Calcutta, and Johns Hopkins University. He has held university positions in India, the USA, Singapore and the UK. His research interests focus on fluvial geomorphology in the tropics, rivers with high-magnitude floods, large rivers, urban geomorphology and the application of remote sensing in geomorphology. Dr Gupta has served as a Committee Member of the International Geographical Union Commission on Measurement, Theory and Applications in Geomorphology (COMTAG) and the International Association of Geomorphologists (IAG). He is currently the Chair of the IAG Working Group on the Effect of Climate Change on Large Rivers and Deltas. He is a member of the American Geophysical Union, the Association of American Geographers, the Society of Sedimentary Geologists and the International Association of Hydrological Sciences. He is also a corresponding member of the Académie Royale des Sciences d'Outre-Mer, Belgium. He is on the editorial board of two journals on geomorphology. Dr Gupta has written 8 books and over 70 research papers. He recently edited The Physical Geography of Southeast Asia (Oxford University Press, 2005) and Large Rivers: Geomorphology and Management (Wiley, 2007).

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