



Tropical geomorphology

LC control no. 2011011810

Type of material Book

Personal name Gupta, Avijit. » [More like this](#)

Main title Tropical geomorphology / Avijit Gupta.

Published/Created Cambridge ; New York : Cambridge University Press, 2011.

Description xiv, 386 p. : ill., maps ; 26 cm.

ISBN 9780521879903 (hardback)

Summary "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"-- Provided by publisher.

Contents Machine generated contents note: Part I. The Tropical Environment: 1. Geomorphology and the tropics; 2. Geological framework of tropical lands; 3. Tropical hydrology; 4. Land cover in the tropics; Part II. Tropical Geomorphology: 5. Weathering in the tropics; 6. Tropical slopes: form and function; 7. Rivers in the tropics; 8. Alluvial valleys; 9. Large tropical rivers; 10. The tropical coast; 11. Tropical deltas; 12. The arid tropics; 13. Tropical highlands; 14. Volcanic landforms; 15. Tropical karst; 16. Quaternary in the tropics; Part III. Anthropogenic Changes: 17.

Anthropogenic alteration of geomorphic processes in the tropics; 18. Urban geomorphology in the tropics; 19. The future with climate change; References; Index.

Introduction to planetary geomorphology

LC control no. 2011053270

Type of material Book

Personal name Greeley, Ronald. » [More like this](#)

Main title Introduction to planetary geomorphology / Ronald Greeley.

Published/Created New York : Cambridge University Press, 2012.

Projected pub date 1111

Description p. cm.

ISBN 9780521867115 (hardback)

Summary "Nearly all major planets and moons in our Solar System have been visited by spacecraft and the data they have returned has revealed the incredible diversity of planetary surfaces. Featuring a wealth of images, this textbook explores the geological evolution of the planets and moons. Introductory chapters discuss how information gathered from spacecraft is used to unravel the geological complexities of our Solar System. Subsequent chapters focus on current understandings of planetary systems. The textbook shows how planetary images and remote sensing data are analyzed through the application of fundamental geological principles. It draws on results from spacecraft sent throughout the Solar System by NASA and other space agencies. Aimed at undergraduate students in planetary geology, geoscience, astronomy and solar system science, it highlights the differences and similarities of the surfaces at a level that can be readily understood by non-specialists"-- Provided by publisher.

Introduction to coastal processes & geomorphology

LC control no. 2011534741

Type of material Book

Personal name Masselink, Gerhard. » [More like this](#)

Main title Introduction to coastal processes & geomorphology / Gerhard Masselink, Michael G. Hughes, Jasper Knight.

Variant title Introduction to coastal processes and geomorphology

Published/Created London : Hodder Education. 2011.

Related names Hughes, Michael G. » [More like this](#)
Knight, Jasper. » [More like this](#)

Description xv, 416 p. : ill., maps ; 24 cm.

ISBN 9781444122404

Notes Includes bibliographical references (p. [392]-412) and index.

Subjects Coast changes. » [More like this](#)
Geomorphology. » [More like this](#)
Coastal zone management--Environmental aspects. » [More like this](#)

LC classification GB451.2 .M277 2011

Quality code pcc

Links Additional resources: <<http://www.hodderplus.com/geography>>

Introduction to coastal processes and geomorphology

LC control no. 2010279620

Type of material Book

Personal name Davidson-Arnott, R. » [More like this](#)

Main title Introduction to coastal processes and geomorphology / by Robin Davidson-Arnott.

Published/Created Cambridge : Cambridge University Press, c2010.

Description xiii, 442 p. : ill. ; 25 cm.

ISBN 9780521874458 (hbk.)
0521874459 (hbk.)
9780521696715 (pbk.)
0521696712 (pbk.)

Contents Pt. I. Introduction -- 1. Introduction -- 2. Coastal geomorphology -- Pt. II. Coastal Processes -- 3. Sea level fluctuations and changes -- 4. Wind-generated waves -- 5. Waves - wave theory and wave dynamics -- 6. Surf zone circulation -- 7. Coastal sediment transport -- Pt. III. Coastal Systems -- 8. Beach and nearshore systems -- 9. Coastal sand dunes -- 10. Barrier systems -- 11. Saltmarshes and mangroves -- 12. Coral reefs and atolls -- 13. Clifed and rocky coasts.

Notes Includes bibliographical references and index.

Subjects Coasts. » [More like this](#)
Geomorphology. » [More like this](#)

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Links	< http://www.gbv.de/dms/bowker/toc/9780521874458.pdf > 04: Inhaltsverzeichnis

Compendium of forest hydrology and geomorphology in British Columbia

LC control no.	2010671450
Type of material	Book
Main title	Compendium of forest hydrology and geomorphology in British Columbia / editors, Robin G. Pike ... [et al.].
Published/Created	Victoria, B.C. : Ministry of Forests and Range, c2010.
Related names	Pike, Robin G. » More like this
Description	2 v. : ill. (chiefly col.), col. maps ; 28 cm.
ISBN	9780772663313 (spiral bound) 0772663319 (spiral bound)

Notes "2010"--Cover.
Includes bibliographical references and index.

Additional formats Available also on the Internet.

Subjects Forest hydrology--British Columbia. » [More like this](#)
Watershed hydrology--British Columbia. » [More like this](#)
Geomorphology--British Columbia. » [More like this](#)
Water quality--British Columbia. » [More like this](#)
Riparian ecology--British Columbia. » [More like this](#)
Stream ecology--British Columbia. » [More like this](#)
Watershed management--British Columbia. » [More like this](#)

Series Land management handbook ; 66.
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River discharge to the coastal ocean : a global synthesis

LC control no. 2010034896

Type of material Book

Personal name Milliman, John D. » [More like this](#)

Main title River discharge to the coastal ocean : a global synthesis / John D. Milliman, Katherine L. Farnsworth.

Published/Created Cambridge ; New York : Cambridge University Press, 2011.

Related names Farnsworth, Katherine L. » [More like this](#)

Description viii, 384 p. : ill. (chiefly col.), maps ; 29 cm.

ISBN 9780521879873
0521879876

Summary "Rivers provide the primary link between land and sea. Utilizing the world's largest database, this book presents a detailed analysis and synthesis of the processes affecting fluvial discharge of water, sediment and dissolved solids. The ways in which climatic variation, episodic events, and anthropogenic activities - past, present and future - affect the quantity and quality of river discharge are discussed in the final two chapters. The book contains 26 tables and more than 165 figures - many in full color - including global and regional maps. The book's extensive appendix presents the 1534-river database as a series of 44 tables that provide quantitative data regarding the discharge of water, sediment and dissolved solids. The complete database is also presented within a GIS-based package available online at www.cambridge.org/milliman. River Discharge to the Coastal Ocean provides an invaluable resource for researchers, professionals and graduate students in hydrology, oceanography, geology, geomorphology and environmental policy"-- Provided by

publisher.

Geomorphometry : concepts, software, applications

LC control no. 2010549741

Type of material Book

Main title Geomorphometry : concepts, software, applications / edited by Tomislav Hengl, Hannes I. Reuter.

Edition 1st ed.

Published/Created Amsterdam, Netherlands ; Oxford, UK ; Boston [Mass.] : Elsevier, 2009.

Related names Hengl, Tomislav. » [More like this](#)
Reuter, Hannes I. » [More like this](#)
Institute for Environment and Sustainability (European Commission. Joint Research Centre) » [More like this](#)

Description xxix, 765 p. : ill. (some col.), maps (some col.) ; 25 cm.

ISBN 9780123743459
0123743451

Contents Geomorphometry : a brief guide / R.J. Pike, I.S. Evans and T. Hengl -- Mathematical and digital models of the land surface / T. Hengl and I.S. Evans -- DEM production methods and sources / A. Nelson, H.I. Reuter and P. Gessler -- Preparation of DEMs for geomorphometric analysis / H.I. Reuter ... [et al.] -- Geostatistical simulation and error propagation in geomorphometry / A.J.A.M. Temme ... [et al.] -- Basic land-surface parameters / V. Olaya -- Land-surface parameters and objects in hydrology / S. Gruber and S. Peckham -- Land-surface parameters specific to topo-climatology / J. Böhner and O. Antonić -- Landforms and landform elements in geomorphometry / R.A. MacMillan and P.A. Shary --

Overview of software packages used in geomorphometry / J. Wood -- Geomorphometry in ESRI packages / H.I. Reuter and A. Nelson -- Geomorphometry in SAGA / V. Olaya and O. Conrad -- Geomorphometry in ILWIS / T. Hengl, B.H.P. Maathuis and L. Wang -- Geomorphometry in LandSerf / J. Wood -- Geomorphometry in MicroDEM / P. Guth -- Geomorphometry in TAS GIS / J.B. Lindsay -- Geomorphometry in GRASS GIS / J. Hofierka, H. Mitášová and M. Neteler -- Geomorphometry in RiverTools / S.D. Peckham -- Geomorphometry : a key to landscape mapping and modelling / T. Hengl and R.A. MacMillan -- Soil mapping applications / E. Dobos and T. Hengl -- Vegetation mapping applications / S.D. Jelaska -- Applications in geomorphology / I.S. Evans, T. Hengl and P. Gorsevski -- Modelling mass movements and landslide susceptibility / S. Gruber, C. Huggel and R. Pike -- Automated predictive mapping of ecological entities / R.A. MacMillan ... [et al.] -- Geomorphometry and spatial hydrologic modelling / S.D. Peckham -- Applications in meteorology / S. Emeis and H.R. Knoche -- Applications in precision agriculture / H.I. Reuter and K.-C. Kersebaum -- The future of geomorphometry / P. Gessler ... [et al.]

Slope tectonics

LC control no.	2011293229
Type of material	Book
Main title	Slope tectonics / edited by M. Jaboyedoff.
Published/Created	London : Geological Society ; Williston, VT : Distributors, North America, for trade and institutional orders, Geological Society, c/o AIDC, 2011.
Related names	Jaboyedoff, M. (Michel) » More like this
Description	283 p. : ill. (some col.), maps (some col.) ; 26 cm.
ISBN	9781862393240 1862393249

Abstract Usually geomorphology, structural geology and engineering geology provide descriptions of slope instability in quite distinctive ways. This new research is based on combined approaches to providing an integrated view of the operative slope processes. 'Slope Tectonics' is the term adopted here to refer to those deformations that are induced or fully controlled by the slope morphology, and that generate features which can be compared to those created by tectonic activity. Such deformation can be induced by the stress field in a slope which is mainly controlled by gravity, topography and the geological setting created by the geodynamic context. The content of this book includes slope-deformation characterization using morphology and evolution, mechanical behaviour of the material, modes of failure and collapse, influence of lithology and structural features, and the role played by controlling factors. The contributions cover broad aspects of slope tectonics that attempt to underline a multidisciplinary approach, which should create a better framework for studies of slope instability.-- Source other than Library of Congress.