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KLEIN VAZQUEZ

Glossary of Oceanographic Terms

McGraw-Hill Companies
The multidisciplinary nature of marine sciences (Geology, Biology, Physics, Chemistry, and Oceanography) is reflected in this references 1,980 up-to-date, alphabetically listed keywords with illustrations. These keywords provide valuable time-saving assistance when studying marine scientific literature. The brief explanation of the concepts, terminology, and methods makes this book more valuable than

a pure glossary or dictionary.

Working Towards a Blue Future: Promoting Sustainability, Environmental Protection and Marine Management: Examples from the UK Government Blue Belt Programme and Current International Initiatives Springer

Presents an illustrated, A-Z encyclopedia with more than 600 entries providing information on topics related to marine science. [Encyclopedia of Coastal Science](#) Springer Science & Business Media
Geoarchaeology is the archaeological subfield that focuses on archaeological information retrieval and problem solving utilizing

the methods of geological investigation.

Archaeological recovery and analysis are already geoarchaeological in the most fundamental sense because buried remains are contained within and removed from an essentially geological context. Yet geoarchaeological research goes beyond this simple relationship and attempts to build collaborative links between specialists in archaeology and the earth sciences to produce new knowledge about past human behavior using the technical information and methods of the geosciences. The principal goals of geoarchaeology lie in understanding the relationships between

humans and their environment. These goals include (1) how cultures adjust to their ecosystem through time, (2) what earth science factors were related to the evolutionary emergence of humankind, and (3) which methodological tools involving analysis of sediments and landforms, documentation and explanation of change in buried materials, and measurement of time will allow access to new aspects of the past. This encyclopedia defines terms, introduces problems, describes techniques, and discusses theory and strategy, all in a format designed to make specialized details accessible to the public as well as practitioners. It covers subjects in environmental archaeology, dating, materials analysis, and paleoecology, all of which represent different sources of specialist knowledge that must be shared in order to reconstruct, analyze, and explain the record of the human past. It will not specifically cover sites, civilizations, and ancient cultures, etc., that are better described in other encyclopedias of world archaeology. The Editor Allan S. Gilbert is

Professor of Anthropology at Fordham University in the Bronx, New York. He holds a B.A. from Rutgers University, and his M.A., M.Phil., and Ph.D. were earned at Columbia University. His areas of research interest include the Near East (late prehistory and early historic periods) as well as the Middle Atlantic region of the U.S. (historical archaeology). His specializations are in archaeozoology of the Near East and geoarchaeology, especially mineralogy and compositional analysis of pottery and building materials. Publications have covered a range of subjects, including ancient pastoralism, faunal quantification, skeletal microanatomy, brick geochemistry, and two co-edited volumes on the marine geology and geoarchaeology of the Black Sea basin. *Encyclopedia of Marine Sciences Infobase Publishing Past Glacial Environments*, Second Edition, presents a revised and updated version of the very successful first edition of Menzies' book, covering a breadth of topics with a focus on the recognition and analysis of former glacial

environments, including the pre-Quaternary glaciations. The book is made up of chapters written by various geological experts from across the world, with the editor's expertise and experience bringing the chapters together. This new and updated volume includes at least 45% new material, along with five new chapters that include a section on techniques and methods. Additionally, this new edition is presented in full color and features a large collection of photographs, line diagrams, and tables with examples of glacial environments and landscapes that are drawn from a worldwide perspective. Informative knowledge boxes and case studies are included, helping users better understand critical issues and ideas. Provides the most complete reference concerning the study of glacial processes and their geological, sedimentological, and geomorphological products Comprised of chapters written by various geological experts from across the world Includes specific case studies to alert readers to important ideas and issues Uses text boxes throughout to explain key

concepts from glacial literature Presents full color photographs, line diagrams, and tables throughout

Encyclopedia of Marine Geosciences Academic Press

The Encyclopedia of Estuaries, part of Springer's Encyclopedia of Earth Sciences Series, provides a single, state-of-the-art, comprehensive reference volume on estuaries for research scientists, educators, students, and others. Consisting of almost 270 subject entries in an easy-to-use format, this volume covers the physical, chemical, and biological characteristics of estuaries. In total more than 225 authors from around the world have contributed to the encyclopedia on such diverse subjects as biotic communities, essential habitats, food webs, fisheries, hydrology, pollution, conservation, and many more. The Encyclopedia of Estuaries will meet the needs of professionals worldwide by supplying detailed information from world-class estuarine and marine scientists as well as experts from other fields of study.

Encyclopedia of Engineering Geology

Springer Science & Business Media Ocean Currents is a derivative of the Encyclopedia of Ocean Sciences, 2nd Edition and serves as an important reference on current ocean current knowledge and expertise in one convenient and accessible source. Its selection of articles—all written by experts in their field—focuses on key ocean current concepts. Its topics include ocean currents, the circulation of deep water, the contrasting circulations of the seas, the circulation in fjords, estuaries and the effects of rivers, and the intermittency and variability of the oceans. Ocean Currents serves as an ideal reference for topical research.

References related articles on ocean currents to facilitate further research Richly illustrated with figures and tables that aid in understanding key concepts Includes an introductory overview of ocean currents and then explores each topic in detail, making it useful to experts and graduate-level researchers Topical arrangement makes it the perfect desk reference

Ocean Currents

Academic Press

The Coastal Ocean is a

derivative of the Encyclopedia of Ocean Sciences, 2nd Edition, and serves as an important reference on coastal oceanography in one convenient and accessible source. Its selection of articles provides current knowledge and expertise in the areas of: Rivers, estuaries and fjords; Salt marshes, lagoons, beaches and rocky shores; Corals and reefs; Groundwater seepage; Ice and permafrost; Waves, tides, surges, tsunami and seiches; Topography and sea level; Plankton and benthos; Management, mariculture and fisheries; Pollution; Sediments, slides, slumps and cycling; Circulation and models; Remote sensing by acoustics, aircraft and satellites; and rigs, structures and shipping. The Coastal Ocean serves as an ideal reference for topical research.

References related articles in coastal oceanography to facilitate further research Richly illustrated with figures and tables that aid in understanding key concepts Includes an introductory overview and then explores each topic in detail, making it useful to experts and graduate-level researchers Topical arrangement makes it the

perfect desk reference
Encyclopedia of Ocean Sciences Academic Press
 This new Encyclopedia of Coastal Science stands as the latest authoritative source in the field of coastal studies, making it the standard reference work for specialists and the interested lay person. Unique in its interdisciplinary approach. This Encyclopedia features contributions by 245 well-known international specialists in their respective fields and is abundantly illustrated with line-drawings and photographs. Not only does this volume offer an extensive number of entries, it also includes various appendices, an illustrated glossary of coastal morphology and extensive bibliographic listings.

The Coastal Ocean
 Springer Science & Business Media
 The Encyclopedia of Mathematical Geosciences is a complete and authoritative reference work. It provides concise explanation on each term that is related to Mathematical Geosciences. Over 300 international scientists, each expert in their specialties, have written

around 350 separate articles on different topics of mathematical geosciences including contributions on Artificial Intelligence, Big Data, Compositional Data Analysis, Geomathematics, Geostatistics, Geographical Information Science, Mathematical Morphology, Mathematical Petrology, Multifractals, Multiple Point Statistics, Spatial Data Science, Spatial Statistics, and Stochastic Process Modeling. Each topic incorporates cross-referencing to related articles, and also has its own reference list to lead the reader to essential articles within the published literature. The entries are arranged alphabetically, for easy access, and the subject and author indices are comprehensive and extensive.

The Facts on File Dictionary of Marine Science Springer
 Elements of Physical Oceanography is a derivative of the Encyclopedia of Ocean Sciences, 2nd Edition and serves as an important reference on current physical oceanography knowledge and expertise in one convenient and accessible source. Its

selection of articles—all written by experts in their field—focuses on ocean physics, air-sea transfers, waves, mixing, ice, and the processes of transfer of properties such as heat, salinity, momentum and dissolved gases, within and into the ocean. Elements of Physical Oceanography serves as an ideal reference for topical research.

References related articles in physical oceanography to facilitate further research Richly illustrated with figures and tables that aid in understanding key concepts Includes an introductory overview and then explores each topic in detail, making it useful to experts and graduate-level researchers Topical arrangement makes it the perfect desk reference
Encyclopedia of Marine Biology: Volume II
 Academic Press
 The Facts On File Dictionary of Marine Science, New Edition contains nearly 3,000 entries.

Encyclopedia of Modern Coral Reefs
 Springer Nature
 The Coastal Ocean is a derivative of the Encyclopedia of Ocean Sciences, 2nd Edition, and serves as an important reference on coastal

oceanography in one convenient and accessible source. Its selection of articles provides current knowledge and expertise in the areas of: Rivers, estuaries and fjords; Salt marshes, lagoons, beaches and rocky shores; Corals and reefs; Groundwater seepage; Ice and permafrost; Waves, tides, surges, tsunami and seiches; Topography and sea level; Plankton and benthos; Management, mariculture and fisheries; Pollution; Sediments, slides, slumps and cycling; Circulation and models; Remote sensing by acoustics, aircraft and satellites; and rigs, structures and shipping. The Coastal Ocean serves as an ideal reference for topical research.

Elements of Physical Oceanography Academic Press

Encyclopedia of Ocean Sciences 2e is a new 6-volume online reference work, pulling together all the key information in one source from the leading publisher in the field. This second edition is online, offering the user greater flexibility, accessibility, and most importantly, usability with 24 hour access, multi-user access, remote access and excellent search functionality. Structured

for success, each article contains a glossary, an introduction, a reference section and a wealth of cross-referenced links to premium and related material all accessible in a mouse-click, making complicated, time consuming research a thing of the past.

*Approximately 500 articles covering the breadth and depth of the field with over 30% new and updated content reflecting the latest research *Greater coverage of climate, remote sensing, and data modeling, with greater consideration of economic and political aspects provides a broad view of the field *Structured for success, each article contains an introduction, a reference section, a glossary and a wealth of cross references to premium related journal and book content

Encyclopedia of Geoarchaeology

Springer Science & Business Media One of Springer's Major Reference Works, this book gives the reader a truly global perspective. It is the first major reference work in its field. Paleoclimate topics covered in the encyclopedia give the reader the capability to

place the observations of recent global warming in the context of longer-term natural climate fluctuations. Significant elements of the encyclopedia include recent developments in paleoclimate modeling, paleo-ocean circulation, as well as the influence of geological processes and biological feedbacks on global climate change. The encyclopedia gives the reader an entry point into the literature on these and many other groundbreaking topics.

Marine Geology & Geophysics Springer Science & Business Media Coral reefs are the largest landforms built by plants and animals. Their study therefore incorporates a wide range of disciplines. This encyclopedia approaches coral reefs from an earth science perspective, concentrating especially on modern reefs.

Currently coral reefs are under high stress, most prominently from climate change with changes to water temperature, sea level and ocean acidification particularly damaging. Modern reefs have evolved through the massive environmental changes of the Quaternary with long periods of exposure

during glacially lowered sea level periods and short periods of interglacial growth. The entries in this encyclopedia condense the large amount of work carried out since Charles Darwin first attempted to understand reef evolution. Leading authorities from many countries have contributed to the entries covering areas of geology, geography and ecology, providing comprehensive access to the most up-to-date research on the structure, form and processes operating on Quaternary coral reefs.

The Encyclopedia of Oceanography Frontiers Media SA

This thoroughly revised and expanded edition of the much acclaimed Encyclopedia of Coastal Science edited by M. Schwarz (Springer 2005), presents an interdisciplinary approach that includes biology, ecology, engineering, geology, geomorphology, oceanography, remote sensing, technological advances, and anthropogenic impacts on coasts. Within its covers the Encyclopedia of Coastal Science, 2nd ed. brings together and coordinates many aspects of coastal and related sciences that are widely

dispersed in the scientific literature. The broadly interdisciplinary subject matter of this volume features contributions by over 280 well-known international specialists in their respective fields and provides an abundance of figures in full-color with line drawings and photographs, and other illustrations such as satellite images. Not only does this volume offer a large number of new and revised entries, it also includes an illustrated glossary of coastal geomorphology, extensive bibliographic citations, and cross-references. It provides a comprehensive reference work for students, scientific and technical professionals as well as administrators, managers, and informed lay readers. Reviews from the first edition: Awarded for Excellence in Scholarly and Professional Publishing: "Honorable Mention", in the category Single Volume/Science from the Association of American Publishers (AAP) 2005. "The contents and approach are interdisciplinary and, under a single cover, one finds subjects normally scattered throughout scientific literature." "The topics cover a broad spectrum, so does the

geographic range of the contributors. ... besides geomorphologists, biologists, ecologists, engineers, geographers, geologists, oceanographers and technologists will find information related to their respective fields Inclusion of appendices ... is very useful. The illustrated glossary of geomorphology will prove very useful for many of us" Roger H. Charlier, *Journal of Coastal Research*, Volume 21, Issue 4, Page 866, July 2005. "It is an excellent work that should be included in any carefully selected list of best science reference books of the year "Summing Up: Highly recommended." M.L. Larsgaard, *Choice*, Volume 43, Issue 6, Page 989, February 2006. "This volume is a comprehensive collection of articles covering all aspects of the subject: social and economic, engineering, coastal processes, habitats, erosion, geological features, research and observation." ... "As with similar works reviewed, I chose to read articles on familiar topics to see if they covered the expected, and some on unfamiliar topics to see if they could be readily

understood. The book passed both tests, but the style is denser and more fact-filled than most of the encyclopedias I have reviewed." John Goodier, Reference Reviews, Volume 20, Issue 2, pages 35-36, 2006

Encyclopedia of Ocean Sciences Infobase Publishing

This volume addresses the multi-disciplinary topic of engineering geology and the environment, one of the fastest growing, most relevant and applied fields of research and study within the geosciences. It covers the fundamentals of geology and engineering where the two fields overlap and, in addition, highlights specialized topics that address principles, concepts and paradigms of the discipline, including operational terms, materials, tools, techniques and methods as well as processes, procedures and implications. A number of well known and respected international experts contributed to this authoritative volume, thereby ensuring proper geographic representation, professional credibility and reliability. This superb volume provides a

dependable and ready source of information on approximately 300 topical entries relevant to all aspects of engineering geology. Extensive illustrations, figures, images, tables and detailed bibliographic citations ensure that the comprehensively defined contributions are broadly and clearly explained. The Encyclopedia of Engineering Geology provides a ready source of reference for several fields of study and practice including civil engineers, geologists, physical geographers, architects, hazards specialists, hydrologists, geotechnicians, geophysicists, geomorphologists, planners, resource explorers, and many others. As a key library reference, this book is an essential technical source for undergraduate and graduate students in their research.

Teachers/professors can rely on it as the final authority and the first source of reference on engineering geology related studies as it provides an exceptional resource to train and educate the next generation of practitioners. *Structure in the Sea*

Elsevier

The oceans cover 70% of the Earth's surface, and are critical components of Earth's climate system. This new edition of Encyclopedia of Ocean Sciences, Six Volume Set summarizes the breadth of knowledge about them, providing revised, up to date entries as well coverage of new topics in the field. New and expanded sections include microbial ecology, high latitude systems and the cryosphere, climate and climate change, hydrothermal and cold seep systems. The structure of the work provides a modern presentation of the field, reflecting the input and different perspective of chemical, physical and biological oceanography, the specialized area of expertise of each of the three Editors-in-Chief. In this framework maximum attention has been devoted to making this an organic and unified reference. Represents a one-stop. organic information resource on the breadth of ocean science research Reflects the input and different perspective of chemical, physical and biological oceanography, the specialized area of expertise of each of the

three Editors-in-Chief New and expanded sections include microbial ecology, high latitude systems and climate change Provides scientifically reliable information at a foundational level, making this work a resource for students as well as active researches

Past Glacial

Environments Elsevier Structure in the Sea: The Science, Technology and Effects of Purpose-Built Reefs and Related Surfaces provides a review of the history, development, status and emerging trends in research, technology and applications of artificial reef habitats and sea floor structures. The book helps readers understand, utilize and add to the research of modern reef deployment efforts,

presenting a guide to equip stakeholders requiring technical foundations and best practices. Topics include materials, designs and construction methods, along with the ecology of these structures, including key aspects of the life history of plants and animals associated with artificial reefs. Rigorous research addressing ecological, economic and engineering questions, coupled with the innovative deployment of structures worldwide by diverse stakeholders, have created a synergy that makes the book a valuable synthesis and analysis for this growing subject. Thus, its broad audience includes marine (coastal and ocean) environmental sciences,

including aquatic ecologists, those working in ocean sustainability and conservation, benthic habitat and coral reef restoration practitioners, and more. Presents a new perspective on how we might save natural wonders under threat Provides a representation of reefs, showing the economic and humanitarian value of these natural ecosystems Unlocks potentials for solutions for conservation by including global case studies
Encyclopedia of Geology
Springer Science & Business Media
This book should be of interest to geologists; biologists; environmentalists; ecologists; engineers; lecturers and students in related subjects; libraries.