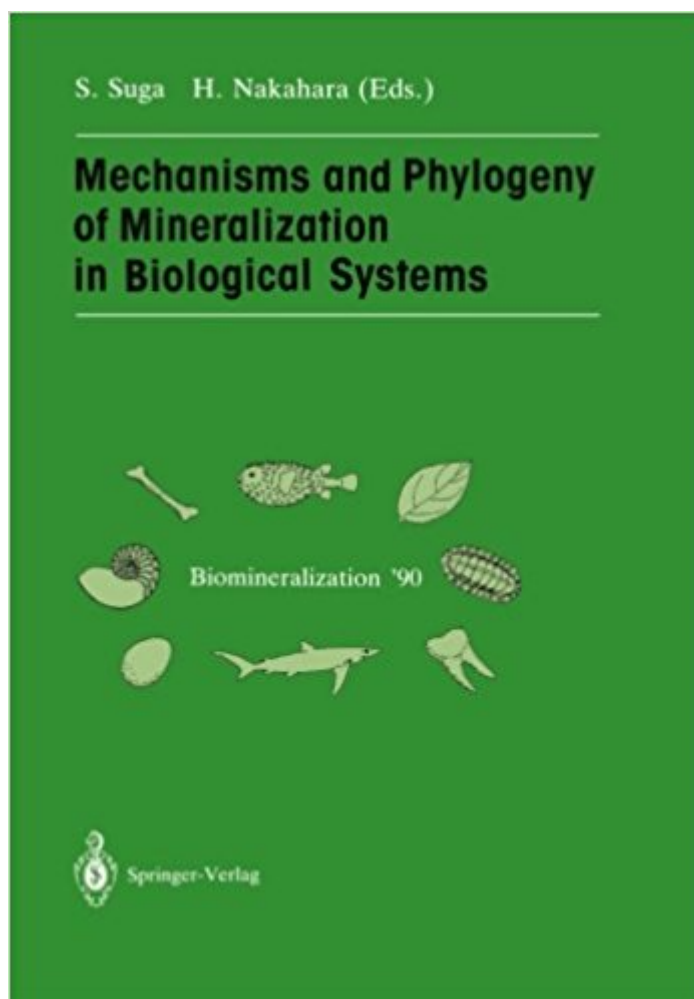


The book was found

Mechanisms And Phylogeny Of Mineralization In Biological Systems: Biomineralization â€™90



Synopsis

Various kinds of mineralization have been found in many biological systems. Investigations made at a microscopical level using various sophisticated analytical methods and using principles developed in different fields have clarified their mechanisms very much. Sometimes, very similar phenomena have been found in the mineralized tissues of completely different biological systems. Compilation and comparative investigations of such findings obtained from the many specimens systematically collected contribute a great deal to an understanding of the crucial mechanisms and significance of biomineralization which originated in very primitive organisms and remain in advanced ones. Previously, the functional significance of mineralized tissues was considered mainly from an anatomical point of view based upon their morphological and structural features. However, the recent advance of investigations has made it possible to interpret the functional significance of biomineralization not only from local and mechanical points of view, but also from a systemic and phylogenetic point of view. It is also well-known that biomineralization has contributed in various ways to geological and oceanographical conditions of the environment in which the organisms were living. During this process, the mechanisms of biomineralization may have evolved to maintain harmony between organisms and their environments.

Book Information

Paperback: 517 pages

Publisher: Springer; Softcover reprint of the original 1st ed. 1991 edition (December 14, 2011)

Language: English

ISBN-10: 4431681345

ISBN-13: 978-4431681342

Product Dimensions: 6.7 x 1.2 x 9.6 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #799,425 in Books (See Top 100 in Books) #169 in Books > Science & Math > Biological Sciences > Biophysics #255 in Books > Textbooks > Medicine & Health Sciences > Dentistry > General #359 in Books > Medical Books > Basic Sciences > Cell Biology

[Download to continue reading...](#)

Mechanisms and Phylogeny of Mineralization in Biological Systems: Biomineralization
Advanced Organic Chemistry: Part A: Structure and Mechanisms: Structure and Mechanisms Pt. A
Ingenious Mechanisms for Designers and Inventors, 1930-67 (Volume 1) (Ingenious Mechanisms

for Designers & Inventors) Percutaneous Absorption:

Drugs--Cosmetics--Mechanisms--Methodology: Drugs--Cosmetics--Mechanisms--Methodology, Third Edition, (Drugs and the Pharmaceutical Sciences) Schaechter's Mechanisms of Microbial Disease (Mechanisms of Microbial Disease (Schaechter)) Extinction and Phylogeny Plant Life Histories: Ecology, Phylogeny and Evolution Phylogeny Reconstruction in Paleontology Modeling Dynamic Biological Systems (Modeling Dynamic Systems) Measuring and Monitoring Biological Diversity. Standard Methods for Amphibians (Biological Diversity Handbook) Reaction Mechanisms of Inorganic and Organometallic Systems (Topics in Inorganic Chemistry) Fundamentals Of Information Systems Security (Information Systems Security & Assurance) - Standalone book (Jones & Bartlett Learning Information Systems Security & Assurance) Photon Emission from Biological Systems-Theory and Practice: Theory and Practice : Proceedings of the 1st International Symposium, Wrocaw, Poland, January 24-26 1986 An Introduction to Systems Biology: Design Principles of Biological Circuits (Chapman & Hall/CRC Mathematical and Computational Biology) Fields, Forces, and Flows in Biological Systems Modeling Biological Systems:: Principles and Applications Investigating Biological Systems Using Modeling: Strategies and Software Coupling of Biological and Electronic Systems: Proceedings of the 2nd caesarium, Bonn, November 1-3, 2000 Water and Ions in Biological Systems Coupling of Biological and Electronic Systems

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)