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## Biology of the Integument : Invertebrates

By J. Bereiter-Hahn

Springer Berlin Heidelberg Jul 2012, 2012. Taschenbuch. Condition: Neu. Neuware - The integument plays an important role in the survival of meta zoans by separating and protecting them from a hostile environ ment. Its function ranges from protection against injury and in fection; participation in the regulation of body temperature and water balance, to respiratory activity, monitoring of the environ ment and production of signals related to behaviour. All these result from specific structural, biochemical and physiological properties of intra-and extracellular components of the integu ment. Thus its characterization can be best accomplished by a multidisciplinary approach with authors specialized in different fields of science. This multi-author book, in two volumes, provides an up-to date survey of the literature. The first volume deals with the integument of invertebrates, the second with that of vertebrates, both organized primarily on a phylum basis. As the level of knowledge on the integument of phyla differs considerably, the information provided is correspondingly either limited or con densed. For some of the smaller groups of invertebrates little information is available, as often only a few electron micrographs are to be found in the literature; on the other hand, from the large body of knowledge existing...



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