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Systema Porifera: A Guide To The Classification Of Sponges



Synopsis

Research whilst compiling this book has uncovered a fauna about twice the size as that previously published in the literature and consequently *Systema Porifera* revises and stabilizes the systematics of the phylum to accommodate this new knowledge in a contemporary framework. Practical tools (key illustrations, descriptions of character) are provided to facilitate the assignment of approximately 680 extant and 100 fossil genera. *Systema Porifera* is unique making sponge taxonomy widely available at the practical level of classification (genera, families, order). It is a taxonomic revision of sponges and spongiomorphs (such as sphinctozoans and archaeocyathans) based on re-evaluation of type materials and evidence. It is also a practical guide to sponge identification providing descriptions and illustrations of characters and interpretation of their importance to systematics. *Systema Porifera* addresses many long standing nomenclatural problems and provides a sound baseline for future debate on sponges and their place in time and space. *Systema Porifera* describes 3 classes, 7 subclasses, 24 orders, 127 families and 682 valid genera of extant sponges (with over 1600 nominal generic names and an additional 500 invalid names treated). Treatment of the fossil fauna is less comprehensive or critical, although 6 classes, 30 orders, 245 families and 998 fossil genera are mentioned. Keys to all recent and many fossil taxa are provided.

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Customer Reviews

"Soaking up the limelight...the editors are well qualified to do this [book]...together they have done

an excellent job, making 'Systema Porifera' interesting and accessible to a wider scientific audience than pure sponge taxonomists...bibliographies are comprehensive and include many recent reviews...moist sections contain an identification key for families and genera- something never previously attempted for Porifera...invaluable book." - Lorraine Berry, Dept of Invertebrate Zoology, Royal Belgian Institute of Natural Sciences, Brussels, Belgium

"...the two volumes will be an indispensable reference source for any taxonomist or ecologist who needs to put the extensive sponge literature of the past into modern context. More important, these volumes will form the basis (and provide important hypotheses) for future systematic studies, particularly those done using molecular data. As such, 'Systema Porifera' is an essential addition to the reference collection of any university or research institution with zoological programs."

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