

# Marine sponges - forty-six sponges of Northern New Zealand

University of Auckland Marine Laboratory - Sea Sponges Facts



Description: -

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Sponges -- New Zealand. Marine sponges - forty-six sponges of Northern New Zealand

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## Hexactinellida (Glass Sponges)

Our study supports the notion that cryptic speciation in sponges may go undetected and diversity underestimated when using only morphology-based taxonomy, which has broad scale implications for conservation and management of marine systems. Even though sponges are often known from rich assemblages of bodily-preserved specimens ; , a significant part of their fossil and subfossil record is also represented by their spicules. Like other rock-encrusting creatures, they produce toxins to stop other organisms settling on top of them.

## Hidden diversity in the genus *Tethya* : comparing molecular and morphological techniques for species identification

However, most species have the ability to perform movements that are coordinated all over their bodies, mainly contractions of the , squeezing the water channels and thus expelling excess sediment and other substances that may cause blockages. The association between the sponge *Halichondria panicea* Pallas and scallop *Chlamys varia* L. Tiny pores of sea sponges The tiny pores in the sea sponge have many uses.

## Description and distribution of *Desmacella hyalina* sp. nov. (Porifera, Desmacellidae), a new cryptic demosponge in glass sponge reefs from the western coast of Canada

Single cells, specialized for particular functions, are also present. One millilitre of the remaining spicule solution was mounted onto a slide using DPX and examined at a magnification of  $\times 100$ —200, using a compound light microscope Leica Microsystems DM LB with attached digital camera Canon EOS 70D. The 6-hydroximinino-4-en-3-one steroids from *Cinachyrella* sp.

## For the love of sponges

Chronic inflammation of the skin or joints may severely damage the body if it leads to psoriasis or rheumatic arthritis. Neoamphimedine and elenic acid inhibit the development of tumors by blocking topoisomerase II, the nuclear enzyme which makes transient DNA breaks that are required for replication.

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