



OCTOPUS' SUCKERS A MULTITASKING SENSOR

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INTRODUCTION:

Octopus' arms are a fascinating and evolutionarily unique sensory organ, with hundreds of motile suckers, each with thousands of sensory cells, lining eight highly flexible arms. Scientifically, there are many open questions regarding the sensory capabilities of the arms and specifically the highly innervated suckers.

OBJECTIVES:

Our main aim is to fully characterize Octopus vulgaris' suckers to fully understand how they can use their arms

METHOD / DESIGN:

We use a multidisciplinary approach, ranging from behavioral, morphological, and molecular techniques.

RESULTS and CONCLUSIONS:

Our findings, together with the scientific literature available, indicate that octopus suckers have many abilities and can function as tactile, chemical, and light sensors.