



Effects of Lowered pH on the Exoskeleton Composition of Different Species of Porcelain Crabs

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Rationale: Minimal research has been done looking at closely related species across geographic range, and species that occupy different bathymetric zones



AIM: Compare and measure the effects of OA on the exoskeleton mineralogy of these closely related species of porcelain crab

8.0



7.4



7.0

 Low intertidal

 High intertidal



Analysis

→ ICP-MS to analyze $[Ca^{2+}]$, $[Mg^{2+}]$, $[Mn^{2+}]$ and $[Sr^{2+}]$ of crab carapace

