

Age and growth determination

Centurion NIVERSITY Class of arthropods in fisheries and aquaculture, represent a major worldwide food component for human consumption.



Refine the growing interest

regarding the ageing and longevity of crustaceans has led to advancement in the field of age determination methods, including the use of lipofuscin and growth band counts, veering from the classic approach

of size modal analysis.



Sincon Lives Empowering Simulates an uscript provides a

comprehensive overview of literature published between 1990 and 2016 on popular age determination methods (length–frequency analysis, lipofuscin

an<mark>a</mark>lysis,

and growth band counts) applied to five main

crustacean taxa (shrimp, krill, crayfish, crabs and lobsters).



Validation, a necessary step to support results provided by age estimation studies, was included in 71% and 56% of the reviewed published papers that used lipofuscin and growth band counts, respectively.



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been the only direct method of determining crustacean age.

This method requires validation in all species before routine application in stock assessment and/or conservation purposes.