

{rokbox title=|Photomicrograph of right-side statoliths :: Image: Authors|
thumb=|images/stories/ieo/imagenespublicaciones/centro-oceanografico-baleares-ieo-csic-stock-discrimination-two-squids-statolith-shape-analysis-bobowski-et-al-2024-thumb.jpg|}images/stories/ieo/imagenespublicaciones/centro-oceanografico-baleares-ieo-csic-stock-discrimination-two-squids-statolith-shape-analysis-bobowski-et-al-2024.jpg{/rokbox}

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[Stock discrimination of two European squids \(*Illex coindetii*](#)

[*Loligo forbesii*](#)
[\) by statolith shape analysis](#)

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Abstract: We evaluated the feasibility of classifying ommastrephid and loliginid squid species by statolith shape analysis into fisheries management units or stocks. Statoliths of *Illex coindetii*

(Verany, 1839) and

Loligo forbesii

(Steenstrup, 1856) were studied from multiple areas of the North East Atlantic and Northern Mediterranean Sea during 2021–2022.

I. coindetii

and

L. forbesii

individuals were categorized into multiple stocks across the areas studied. Stocks migrating between fishing areas as well as multiple stocks in the same area, as identified for

L. forbesii

in this study, need to be considered for sustainable fisheries management.

Keywords: broadtail shortfin squid, Loliginidae, Myopsida, Oegopsida, Ommastrephidae, statolith shape analysis, stock structure, veined squid