

{rokbox title=|Arnoglossus blachei :: Image: Authors|
thumb=|images/stories/ieo/imagenespublicaciones/centro-oceanografico-baleares-ieo-csic-revalidation-arnoglossus-blachei-africa-fricke-et-al-2023-thumb.jpg|}images/stories/ieo/imagenespublicaciones/centro-oceanografico-baleares-ieo-csic-revalidation-arnoglossus-blachei-africa-fricke-et-al-2023.jpg{/rokbox}

Ronald Fricke, **Sergio Ramírez-Amaro**, **Francesc Ordines**, 2023. [Revalidation of *Arnoglossus blachei*, a species of flounder from off West Africa, with a redescription of *Arnoglossus imperialis* from the northeastern Atlantic and Mediterranean \(Teleostei: Bothidae\).](#) Scientia Marina 87(1): 56-56. DOI: 10.3989/scimar.05347.056

Abstract: Blache's flounder, *Arnoglossus blachei* Stauch, 1965, is redescribed from the eastern Atlantic (Morocco south to Namibia, including the Canary Islands, larvae reaching South Africa) and distinguished from the imperial flounder *A. imperialis* (Rafinesque, 1810) by having a live colouration of the lower side of males which is bright red (whitish in *A. imperialis*), the caudal fin with lateral-line scales 52-57 (vs. 58-63), and the dorsal-fin filaments in male light grey, with black margins, distally yellowish (vs. plain white). A lectotype is selected for *Arnoglossus blachei*. The species is compared with similar species. The externally similar species *Arnoglossus imperialis* is also redescribed; its distribution range is restricted to the Mediterranean and northeastern Atlantic, including Madeira and the Azores. Neotypes are selected to stabilize the usage of the names *Bothus imperialis* Rafinesque, 1810, *Bothus punctatus* Rafinesque, 1814, *Rhombus cristatus* Lowe, 1839 and *Charybdia rhomdoidichthys* Facciola, 1885. Molecular analyses based on two mitochondrial fragments (12s rRNA and COI) clearly support the validity of *A. blachei*. Moreover, though

A. blachei

is morphologically close to

A. imperialis

, the two species show the highest genetic distances among all *Arnoglossus* species compared (including

A. capensis

,

A. imperialis

,

A. laterna

,

A. rueppelii

and

A. thori

). A key to the eastern Atlantic and Mediterranean species of *Arnoglossus* is presented.

Keywords: biodiversity, Blache's flounder, imperial flounder, eastern Atlantic Ocean, Mediterranean Sea, distribution, identification key