

**Title :**

Socioeconomic effects of the COVID-19 pandemic on artisanal fishing in Senegal:  
Adaptation strategies of actors in the fishing ports of Dakar and Mbour

**Authors :**

**Fatoumata Camara**, Research Assistant, Pôle de Recherches de l' ISRA/Hann, Route du Front de Terre, BP 2241 Dakar, Sénégal.

**Idrissa Diedhiou**, Researcher, Fisheries economist, Pôle de Recherches de l' ISRA/Hann, Route du Front de Terre, BP 2241 Dakar, Sénégal.

**Waly Ndiaye**, Academician/Research Scholar, Institut Universitaire de Pêche et d' Aquaculture, Université Cheikh Anta Diop, UCAD II Bâtiment Pédagogique/ Rez-de-chaussée, BP 5005 Dakar-Fann, Sénégal.

**Alassane Sarr**, Academician/Research Scholar, Institut Universitaire de Pêche et d' Aquaculture, Université Cheikh Anta Diop, UCAD II Bâtiment Pédagogique/ Rez-de-chaussée, BP 5005 Dakar-Fann, Sénégal.

Corresponding author. *E-mail address:* [camarafatima1811@gmail.com](mailto:camarafatima1811@gmail.com) (F. Camara).

By considering the economic and social contribution of Senegalese artisanal fisheries to the national economy, this study firstly provides elements of analysis of the disruptions caused by the coronavirus pandemic in the fishing sector. Secondly, it lifts the veil on the adaptation strategies of the actors concerned. The field surveys reveal that the response measures of the authorities have affected the production, distribution, and marketing chains of fisheries products. The results show a remarkable decrease in landings. The landings of pelagic fish species in Ouakam, Hann, Soumbédioune, and Mbour fishing ports have decreased by - 10.11%, - 61.25%, - 9.75%, and - 18.98% proportionately. The same downward trend for demersal fish species was observed, except in Ouakam fishing port. The landing increased slightly to 29.28%. Also, significant income losses have been reported, particularly by fish traders, following the closure of the air borders and the decrease in the selling prices of species formerly destined for export. Thus, faced with this problem, the artisanal fishermen have developed site-specific strategies to continue their activities, which have slowed down. However, this pandemic has paralyzed artisanal fisheries activities, demonstrating the need for this study to strengthen the economic resilience of the sector.