

Food Security Indicators in Deltaic and Coastal Research: A Scoping Review

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Abstract : Deltaic and coastal regions are often strategically important both from local and regional perspectives. While deltas are known to be bread baskets of the world, delta inhabitants often face the risk of food and nutritional insecurity. These risks are highly exacerbated by the impacts of climate and environmental change. While numerous regional studies examined the prevalence and the determinants of food security in specific delta and coastal regions, there is still a lack of a systematic analysis of the most widely used scientific food security indicators. In order to fill this gap, a systematic review was carried out using Covidence, a Cochrane-adopted systematic review processing software. Papers included in the review were selected from the SCOPUS, Thomson Reuters Web of Science, Science Direct, ProQuest, and Google Scholar databases. Both scientific papers and grey literature (e.g., reports by international organizations) were considered. The results were analyzed by food security components (access, availability, quality, and strategy) and by world regions. Suggestions for further food security, nutrition, and health research, as well as policy-related implications, are also discussed.

Keywords : delta regions, coastal, food security, indicators, systematic review

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