

Reviews in Fish Biology and Fisheries

Historical ties shape fisheries research in West Africa

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29 Supplementary Material

30 SM4: Table showing the 12 topics uncovered from 568 publications on fisheries-related research in
 31 West Africa. Each topic is represented by the ten words with the highest probability. The topics were
 32 manually labelled according to the top words combined with manual analysis of the abstract of all
 33 publications within each topic.

Topic	N	Label	Top 10 words	Description
0	104	Policy and Socioeconomic aspects of fisheries	['economic', 'small', 'resources', 'development', 'social', 'fishers', 'scale', 'eu', 'small scale', 'countries']	International and national policies, socio-cultural-economic assessments, fisheries development, fish value chain and management.
1	99	Ecosystem modelling and assessments	['trophic', 'biomass', 'ecosystem', 'data', 'catch', 'estuary', 'effort', 'model', 'environmental', 'area']	Assessment, estimation and reconstructions of biomass, abundance, trophic-level and environmental data.
2	56	Conservation and impacts on marine ecosystems	['shark', 'bycatch', 'sharks', 'fishers', 'conservation', 'turtles', 'south', 'information', 'catch', 'research']	Conservation and impacts on marine organisms and ecosystems, such as bycatch of megafauna, pollution climate change impacts.
3	44	Fishery biology	['length', 'growth', 'females', 'cm', 'spawning', 'mortality', 'males', 'estimated', 'stock', 'size']	Life history traits and population dynamics (growth, reproduction, development, morphology).
4	41	Genetics	['genetic', 'record', 'aquaculture', 'coast', 'population', 'gene', 'distribution', 'temperature', 'south', 'data']	Genetic approaches. Some documents refer to oceanographical process and aquaculture.
5	40	Climate change	['climate', 'climate change', 'mangrove', 'change', 'coastal', 'management', 'ecosystems', 'mangroves', 'conservation', 'countries']	Climate change impacts mainly on coastal marine ecosystems (e.g. mangroves) and communities.
6	31	Trophic ecology	['breeding', 'prey', 'cape', 'south', 'diet', 'sardine', 'anchovy', 'penguins', 'gannets', 'population']	Trophic interactions, mainly related to seabirds and small pelagic fish, and resource competition between marine species and fisheries.
7	29	Oceanography	['upwelling', 'ecosystem', 'temperature', 'distribution', 'depth', 'production', 'surface', 'variability', 'coastal', 'ocean']	Oceanographic changes and the effects on abundance, distribution and fisheries catches.
8	29	Human dimensions	['site', 'human', 'msa', 'ais', 'occupational', 'trade', 'remains', 'data', 'illegal', 'use']	Fields of sociology, anthropology and archaeology. Occupational impacts, trade and market relationships and human attitudes.
9	22	Spatial ecology	['lagoon', 'gannets', 'migration', 'catch', 'tracking', 'birds', 'water', 'breeding', 'movements', 'melanotheron']	Studies of movement, distribution, habitat use but not correlated to environmental factors.
10	22	Fishery assessments (catch-effort data)	['catch', 'effort', 'commercial', 'catches', 'south', 'crab', 'hake', 'bycatch', 'annual', 'coast']	Include fisheries monitoring and fisheries statistics using catch and fishing effort data (landings, CPUE)

11	20	Maritime crimes and unregulated human activities	['illegal', 'piracy', 'maritime', 'cape', 'countries', 'oil', 'migration', 'guinea', 'security', 'economic']	Illegal activities at sea, such as IUU and maritime piracy.
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