

DEVELOPMENT OF A DATABASE ON COASTAL FISHERIES RESOURCES OF INDIA

Technology developed by : Dr. Sreekanth G. B., Scientist (Fisheries Resource Management)
Dr. Trivesh Mayekar, Scientist (Fish Genetics & Breeding)
Dr. Parveen Kumar, Director, ICAR-CCARI, Goa

PROBLEM AND RESEARCH GAP

The data from coastal fisheries sector is voluminous and the storage, display and effective dissemination of the information is vital for the development of the fisheries sector. The information on fish species, habitat, biology and feeding habits, and utilization would be interesting for the stakeholders such as fishermen, enthusiasts, biodiversity management committee members, fisheries students and researchers, traders, and taxonomic experts. However, though a number of databases are available on the web, complexity and inaccessibility for the users make them undesirable. In this context, a novel coastal fisheries database is prepared for India compiling the information on species of fish and shellfish from freshwater, estuarine and coastal ecosystems, with their description, habitat, biology, size and commercial importance. This will serve as a ready-reference for all the researchers and stakeholders in the fisheries sector.

PARTICULARS AND SALIENT FINDINGS

A dynamic database has been prepared on coastal fisheries resources with the information on status, catch, species (a total of 411 species with systematics, description, size, food and feeding, utilization and gears used for fishing) and technology options for improving fish production in coastal ecosystems. Currently this database is prepared on the information received from the west coast of India. However, it can be updated with the information from the coastal region from time to time. The fisheries data of Goa, Gujarat and Kerala are also displayed with graphics. This database is kept simple so that it can be operated from desktop, laptop and smart phone. The link for the database is

<https://kvknorthgoa.icar.gov.in/fishdb/index.php>

IMPACT

The database has crossed 21354 views and there are 9000 users for the same including fishermen, enthusiasts, biodiversity management committee members, fisheries students and researchers, traders, and taxonomic experts.

REFERENCES

- Website link for the database:
<https://kvknorthgoa.icar.gov.in/fishdb/index.php>

ICAR - Central Coastal Agricultural Research Institute
(An ISO 9001:2008 Certified Institute)

A database on coastal fisheries resources

Home Fish Publication Data Contact Us

This database has been prepared on coastal fisheries resources with the information on status, catch, species (a total of 411 species) with systematics, description, size, food and feeding, utilization and gears used for fishing and technologies for improving fish production in coastal ecosystems. This database is prepared on the information received from the Goa, Karnataka and Gujarat coast. However, it can be updated with the information from the coastal region from time to time. This database is kept simple so that it can be operated from desktop, laptop and smart phone. The fisheries data of Goa, Gujarat and Kerala are also displayed with graphics. This database is kept simple so that it can be operated from desktop, laptop and smart phone. The other components such as food, and feeding, gears used and utilization for the species, is collected through primary data. We are inviting expert comments on the species details and information which will help us to improve the database substantially.

Sungta

Name: *Marsupaneus japonicus*
Class: Malacostraca
Order: Decapoda
Family: Penaeidae

Description: Carapace smooth. Rostrum armed with 4 to 11 teeth on dorsal, and a single tooth on ventral margin, with an accessory tooth on the labial, anterior rostrum and groove long, extending almost to posterior margin of carapace. The groove wide, posterior rostrum well developed as far back as anterior groove, with a deep median groove throughout its length. Gastrofrontal rostrum present. Gastrofrontal groove bifurcate posteriorly. Hepatic rostrum almost horizontal to base of anterior rostrum and from there sloping anteromedially. Labrum armed with 3 pairs of movable spines, no lateral spine on first pereopod.

Get More Details

Developed by : Dr. Parveen Kumar, Director, ICAR - CCARI, Goa & Dr. Sreekanth G. B., Scientist (Fisheries), ICAR - CCARI, Goa
Designed and controlled by : Dr. Vinayak Prasad, Technical Officer, ICAR - ICR, North Goa, ICAR - CCARI, Goa & Sri Praveen Wadkar, Technical Officer, ICAR - CCARI, Goa
Underwater photos: Dr. Ajay Patil (Dive Dive), Dr. Praveen Wadkar and Dr. Kaushik, MSc (Marine Biology Graduate), PG Study center, Karnataka University, Kannur
Freshwater section: Dr. VS Bhatkar, Dr. Raju S Kumar, ICAR-APRIL, Kochi, Dr. Rajeev Rajgopal, Dr. Anwar K, Dr. Anoop, Dr. Madan Lal and Dr. Kishan Prasad, KURUS, Kochi
Disclaimer: The systematic characters of the species were procured from secondary sources of information (FishBase, IFC, and GBIF/GBIF). The underwater photographs are provided by Sri Patil, DUGGSD. The other components such as food, and feeding, gears used and utilization for the species, is collected through primary data. We are inviting expert comments on the species details and information which will help us to improve the database substantially.
Copyright © 2019-ICAR - CCARI, Goa All rights reserved. Visitor counter no 17002

ICAR - Central Coastal Agricultural Research Institute
(An ISO 9001:2008 Certified Institute)

A database on coastal fisheries resources

Home Fish Publication Data Contact Us

REEF FISH CATEGORY

REEF FISH RESOURCES OF GOA

1. Kishor
2. Gobio
3. ...
4. ...
5. ...
6. ...
7. Kunkar
8. ...
9. ...

Central Coastal Agricultural Research Institute
An ISO 9001:2008 Certified Institute

Database on coastal fisheries resources

Home Fish Publication Data Contact Us

TECHNOLOGICAL OPTIONS

1. ...
2. ...
3. ...
4. ...
5. ...
6. ...
7. ...
8. ...
9. ...

The database home page, page displaying reef fishes and technology options