

COMMON MARINE SPECIES OF KANYAKUMARI DISTRICT



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COMMON MARINE SPECIES OF KANYA KUMARI DISTRICT

1. SARDINE

Common name: Sardine

Phylum: Chordata

Class: Sardinella

Order: Clupeiformes

Scientific name: *Sardinella longiceps*

Tamil Name: மததிமீன்



- ❖ Sardines are silvery white coloured
- ❖ They are very small and elongated
- ❖ Spawning takes place during spring
- ❖ They feed on planktons
- ❖ They are rich in omega - 3 fatty acid, vitamin B – 12, proteins, trace elements (Ca, Mg, K, Zn, P)
- ❖ They are harvested during night time

Uses

- ❖ Prevent heart diseases
- ❖ Prevents the risk of cancer
- ❖ Controls blood glucose level

2. TUNA

Common name: Tuna

Phylum: Chordata

Class: Scombrinae

Order: Scombriformes

Scientific name: Thunnini

Tamil Name: சூரைமீன்



- ❖ Elongated streamlined fish with round body
- ❖ They are metallic blue above and silvery below with iridescent shine
- ❖ Feeds on fishes, squid, shellfishes and planktons.
- ❖ Rich in oil, protein, fat, phosphorous, vitamin D omega - 3 fatty acid
- ❖ Spawning takes in spring

Uses

- ❖ Lowers blood pressures
- ❖ Lowers cholesterol
- ❖ Relief from arthritis pain
- ❖ Reduce asthma

3. Edible Oyster

Common name: Edible oyster

Phylum: Mollusca

Class: Bivalvia

Order: Ostreida

Scientific name: *Crassostrea madrasensis*

Tamil Name: சிப்பி



- ❖ Sedentary bivalve with irregular shape (or) circular (or) elongated
- ❖ Filter feeder feeding planktons
- ❖ Rich in protein, glycogen and fat
- ❖ Spawning occurs in summer

Uses

- ❖ Skin care
- ❖ Heart ailments
- ❖ Liver problems
- ❖ Blood pressure
- ❖ Water retention
- ❖ Pre menstrual tension

4. SEPIA

Common name: Sepia

Phylum: Mollusca

Class: Cephalopoda

Order: Sepiida

Scientific name: Sepiida

Tamil Name: சுனவாழி



- ❖ They are large with 'W' shaped pupil
- ❖ They have 8 arms and 2 tentacles with suckers
- ❖ They eat small mollusc, crab, shrimp, worms
- ❖ They are rich in fat, cholesterol, sodium, protein and omega – 3 fatty acid
- ❖ Spawning takes place during summer & spring

Uses

- ❖ Reduces cardiovascular diseases
- ❖ Obesity
- ❖ Hypertension
- ❖ High cholesterol
- ❖ Diabetes

5. CRAB

Common name: Crabs

Phylum: Arthropoda

Class: Malacostraca

Order: Decapoda

Scientific name: Brachyura

Tamil Name: நண்டு (6)



- ❖ It is a decapods crustacean with thick shell
- ❖ Feeds on algae, worms, bacteria, fungi, organic non living materials
- ❖ Rich in protein, fat, zinc, calcium, vitamin B12
- ❖ Spawning occurs at winter

Uses

- ❖ Protect against cardiovascular diseases
- ❖ Provides fertility

6. SHRIMP

Common name: shrimp

Phylum: Arthropoda

Class: Malacostraca

Order: Decapoda

Scientific name: Penaeidae

Tamil Name: இறால்



- ❖ It is a crustacean with long narrow muscular abdomen and long antenna
- ❖ They feed on plant material, microorganism, worm, small shell fishes
- ❖ They are rich in protein, vitamins, minerals, iron, selenium, zinc, copper, magnesium

- ❖ Spawning occurs at early winter

Uses

- ❖ Anti oxidant
- ❖ Reduce blood pressure
- ❖ Reduce heart problems

7. STINGRAYS

Common name: Stingrays

Phylum: Chordata

Class: Chondrichthyes

Order: Myliobatiformes

Scientific name: Myliobatoidei

Tamil Name: ததண்டாசசிமீன



- ❖ They have flattened body, smooth skin with diamond shaped pectoral fin and a whip like tail
- ❖ They feed on mollusk, polychaete worms and small bony fishes
- ❖ They are rich in protein and fat
- ❖ Spawning take during summer

Uses

- ❖ Anti microbial activity

8. PILA

Common name: Pila

Phylum: Mollusca

Class: Gastropoda

Order: Caenogastropoda

Scientific name: Pila globosa

Tamil Name: ந்த்ரத



- ❖ It is also called as apple snail
- ❖ Gastropod with univalve but coiled around a central axis
- ❖ Top shell is the apex and below is spire with whorls
- ❖ Feeds succulent aquatic vegetation
- ❖ Rich in protein, fiber, ash, lipid, minerals, trace elements(Ca, P, K, Fe, Na, Zn)
- ❖ Spawning occur at rainy season

Uses

- ❖ Proper metabolism of the body
- ❖ Growth of muscle, nerves
- ❖ Maintains body health

9. PARROT FISH

Common name: Parrot fish

Phylum:Chordata

Class:Actinopterygii

Order: Perciformes

Scientific name:Scaridae

Tamil Name:கிளிமீன்



- ❖ Have a thick heavy body with a parrot beak like jaws
- ❖ Feeds on sedentary algae, some invertebrates, bacteria and detritus
- ❖ Rich in protein, fat, potassium
- ❖ Spawn at new moon day

Uses

- ❖ Good for heart
- ❖ For rheumatoid arthritis
- ❖ Reduce thrombosis
- ❖ Keep eyes bright and healthy
- ❖ Prevents depression

10. SOOTY GRUNTER

Common name: Sooty grunter

Phylum: Chordata

Class: Actinopterygii

Order: Centrarchiformes

Scientific name: *Hephaestus fuliginosus*

Tamil Name: மூட்டிமீன்



- ❖ Silvery body with small black spots
- ❖ Rich in protein and fat
- ❖ Feeds sand prawns, worms and crustaceans
- ❖ Spawns at summer

Uses

- ❖ Reduces heart problem

11. ANCHOVY

Common name: Anchovy

Phylum: Chordata

Class: Actinopterygii

Order: Clupeiformes

Scientific name: *Engraulidae*

Tamil Name: தந்திலி



- ❖ Small greenish fish with silvery coated stripes
- ❖ Filter feeder feeds planktons
- ❖ Rich in protein, fat, Ca, Fe, Zn, Na, omega 3 fatty acid
- ❖ Spawning take at summer

Uses

- ❖ Decrease inflammation
- ❖ Maintains health of cells, mainly fatty tissue of eye and brain

12. RIBBON FISH

Common name: Ribbon fish

Phylum: Chordata

Class: Actinopterygii

Order: Lampriformes

Scientific name: Trachipteridae

Tamil Name: வாரளமீன்



- ❖ Long compressed tape like body
- ❖ It has a narrow mouth
- ❖ Rich in protein, vitamin B, Na, fat,
- ❖ Feeds on fishes, squids and small invertebrates

- ❖ Spawning occur at summer

Uses

- ❖ Boost up cardiovascular health
- ❖ Relieving inflammation
- ❖ Improves vision, skin care
- ❖ Reduces depression
- ❖ Prevents chronic diseases
- ❖ Provides satiety

13. TRIGGERFISH

Common name: Triggerfish

Phylum: Chordata

Class: Actinopterygii

Order: Tetraodontiformes

Scientific name: *Odonus niger*

Tamil Name: கிளாதிமீன்



- ❖ Highly compressed oval shaped body
- ❖ Have a large head and a small strong jaw
- ❖ Feeds on crab, worms, sea urchin, sand dollars, sea cucumber and star fish
- ❖ Rich in oil, fat, Na, protein, omega - 3 fatty acid
- ❖ Spawns 1 to 5 days before spring tide

Uses

- ❖ Lowers blood pressures
- ❖ Reduce triglycerides
- ❖ Reduces abnormal heart rhythm

14. FIN BREAM

Common name: Fin bream

Phylum: Chordata

Class: Actinopterygii

Order: Perciformes

Scientific name: *Nemipterus japonicus*

Tamil Name: நவாணாமின்



- ❖ Short body fish with red suffused colour along with golden yellow stripes
- ❖ Feeds small fishes, crustaceans, mollusc and worms
- ❖ Spawns at May to November and peak at July
- ❖ Rich in fat, carbohydrates, proteins vitamins and minerals

Uses

- ❖ Maintains health of cells
- ❖ Protect against cardiovascular diseases
- ❖ Growth of muscle

15. EMPERORS

Common name: Emperors

Phylum: Chordata

Class: Actinopterygii

Order: Perciformes

Scientific name: *Lethrinidae*

Tamil Name: வவலாமின்



- ❖ Streamlined body
- ❖ Feeds on sea snails, crab, sea urchins

- ❖ Have a thick upper lips with strong jaws and cheeks without scales
- ❖ Rich in protein, Na, K, Ca, carbohydrates, cholesterol
- ❖ Spawns at full moon day of April to November

Uses

- ❖ Boost up cardiovascular health
- ❖ Relieving inflammation
- ❖ Reduce blood pressure

16. MALABAR TREVALLY

Common name: Malabar trevally

Phylum: Chordata

Class: Actinopterygii

Order: Perciformes

Scientific name: *Carangoides malabaricus*

Tamil Name: பாரைடீன்



- ❖ Strong compressed body with oval head elevated to nape
- ❖ Colouration is silvery over line with bluish grey shades
- ❖ Rich in protein, fat, minerals and vitamins
- ❖ Great source of vitamin D
- ❖ Feeds on plankton, prawn, shrimp, squid and fishes
- ❖ Spawning occurs at summer

Uses

- ❖ Lowers heart disease
- ❖ Reduce Alzheimer disease
- ❖ Depression
- ❖ Fight acne
- ❖ Cholesterol
- ❖ Cancer
- ❖ Liver diseases
- ❖ Speeds up metabolism

17. HORSE MACKEREL

Common name: Horse mackerel

Phylum: Chordata

Class: Actinopterygii

Order: Perciformes

Scientific name: *Trachurus japonicus*

Tamil Name: வான் கவடமீன்



- ❖ They are elongated with compressed body and a large head
- ❖ Coloration is dusky black to bluish green
- ❖ Feeds crustaceans, squids and other fishes
- ❖ Rich in vitamin A, B, B12, omega - 3 fatty acid, proteins
- ❖ Spawns at summer

Uses

- ❖ Skin care
- ❖ Reduce oxidative stress
- ❖ Wrinkles
- ❖ Psoriasis
- ❖ Eczema
- ❖ Hair care
- ❖ Boost immunity
- ❖ Weight loss

18. ROUND SCAD

Common name: Round scad

Phylum: Chordata

Class: Actinopterygii

Order: Perciformes

Scientific name: *Decapterus punctatus*

Tamil Name: அயலாமின்



- ❖ Cigar shaped with greenish colour on top and white below
- ❖ Feeds on planktonic invertebrates, copepods
- ❖ Rich in Ca, Fe, Na, protein
- ❖ Spawning occur at summer

Uses

- ❖ Reduce risk of heart disease
- ❖ Lower blood pressure
- ❖ Act as antioxidant

19. JEW FISH

Common name: Jewfish

Phylum: Chordata

Class: Actinopterygii

Order: Perciformes

Scientific name: *Argyrosomus japonicus*

Tamil Name: காத்தரலமின்



- ❖ They are medium to large sized fishes
- ❖ A moderately elongate body, a concave to pointed caudal fin, and pearly-white spots along the lateral line.

- ❖ A silvery to bronze-green colored fish
- ❖ Feeds squids, mossbunker, sardine & mackerels
- ❖ Spawning occurs at throughout summer
- ❖ Rich in omega – 3 fatty acid, vitamin B, selenium, fibre, cholesterol

Uses

- ❖ Lowers heart diseases
- ❖ Regulates inflammation
- ❖ Strengthen immune system

20. BARRACUDA

Common name: Barracuda

Phylum: Chordata

Class: Actinopterygii

Order: Scombriformes

Scientific name: Sphyræna

Tamil Name: ஷீலா மீன்



- ❖ Long and slender fish with a laterally compressed body
- ❖ Feeds on small fishes
- ❖ Rich in protein, Na, Ca, K, omega – 3 fatty acid
- ❖ Spawns at summer

Uses

- ❖ Cardiovascular health
- ❖ Regulation of metabolism
- ❖ Controls blood pressure.