

## Ornamental Fisheries of India

Inland and marine waters in India possess a rich diversity of ornamental fish, with over 195 indigenous varieties reported from North-East Region and Western Ghats, and nearly 400 species from marine ecosystems. The major fish exported from India are of wild varieties collected from rivers of the North-East and Southern States that contribute about 85% to the total export of all types of ornamental fish from the country. Among the 195 reported fish species from the North-East Region, 155 species are of ornamental value. The region also exhibits exceptional biodiversity and high degree of endemism with respect to freshwater ornamental fishes. Prominent among them are Loaches, Eels, Barbs, Catfish, and Goby. On the other hand, the Western Ghats of India is one of the 34 'Biodiversity Hotspot' Areas of the World. Among the total freshwater fishes reported from the Western Ghats, 40 are of ornamental value of which 37 species are endemic to the Western Ghats.

Brackishwater ornamental fishes such as *Monodactylus argenteus*, *M. sebae* and *Scatophagus argus* are common in Indian waters and they could be collected, reproduced cultured and traded. The Pearl-spot (*Etroplus suratensis*) Orange Chromid (*E. maculatus*) and Indian Glassfish *Ambassis* sp. have been successfully bred in low saline fishponds.

Marine ornamental fish are widely collected from the coral reef habitats throughout the Indo-Pacific region. The marine aquarium trade has developed into a vibrant multimillion-dollar industry offering livelihood prospects to people who depend on the coral reef ecosystems. Potential marine ornamental fish species resources are Clown Fish, Damsel Fish, Moorish Idol, Lion Fish, Parrot Fishes, Box Fishes or Trunk Fishes, Marine Angels, Butterfly Fish, Cleaner Wrasse, Cardinal Fishes, Sergeant Fishes/ Unicorn Fish, Rabbit Fish, Squirrel Fish, Scorpion Fish, Blennies, Sand-smelt Fish and Seahorse.

Indian ornamental fish trade mostly deals with freshwater fish (90%) of which 98% are cultured and 2% are captured from wild. The remaining 10% are marine fishes of which 98% are captured and 2% culture. Majority of the Ornamental Fish Breeders in India breed exotic fishes and very few breed indigenous, marine and brackish water fish. Goldfish has the highest preference among hobbyists and hence its breeding dominates the Indian Ornamental Fish

Sector. Apart from the common Live-bearer varieties, breeders prefer to breed highly specialized varieties such as Oscar, Flower Horn, Tetras, Discus and Cichlids.

### Indigenous Freshwater Ornamental Fishes



*Puntius arulius*



*Puntius filamentosus*



*Aplocheilus panchax*



*Amblypharyngodon mola*



*Channa orientalis*



*Garra gotyla gotyla*



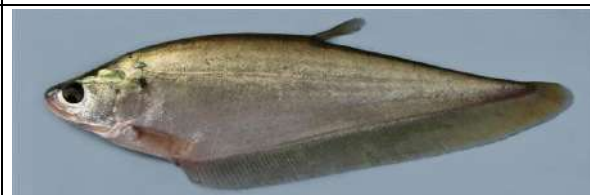
*Gonoproktopterus curmuca*



*Macrogathus aral*



*Nandus nandus*



*Notopterus notopterus*



*Horabagrus brachysoma*



*Mystus vittatus*

## Indigenous Marine Ornamental Fishes



*Pomacentrus caeruleus*



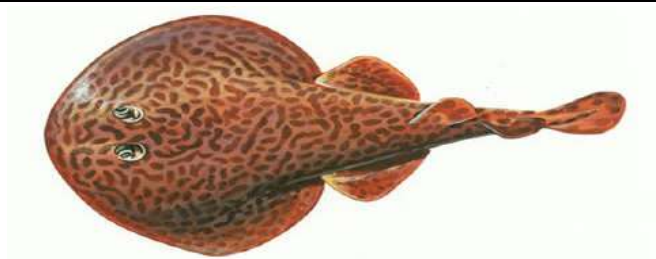
*Ostracion cubicus*



*Scarus ghobban*



*Odonus niger*



*Narcine timlei*



*Chelonodon patoca*









*Thalassoma lunare*







*Abudefduf saxatilis*

## Commercially Important Ornamental Fishes Cultured in India

### a. Freshwater Ornamental Fishes

	
<b>Goldfish</b>	<b>Koi Carp</b>
	
<b>Guppy</b>	<b>Molly</b>
	
<b>Barbs</b>	<b>Gourami</b>

### b. Marine Ornamental Fishes

	
<b>Damsel fish</b>	<b>Clownfish</b>
	
<b>Moorish Idol</b>	<b>Rabbitfish</b>