

ENDEMIC SPECIES OF AQUARIUM FISHES

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➤ what are endemic Fishes

Fish endemic to India refers to the **fish** species which are restricted to the geographical range of India and become unavailable in other such regions. Aquatic environment is experiencing serious threats with regard to ecosystem stability resulting loss of aquatic biodiversity

What is ornamental fish?

Ornamental fish are kept or reared for their attractiveness. The breeding of ornamental fish began over 1000 years ago with the domestication of goldfish in China, and nowadays many fish species are highly prized for their distinct markings (eg, koi carp).

These include both classified and non-classified aquarium fishes

1. Classified

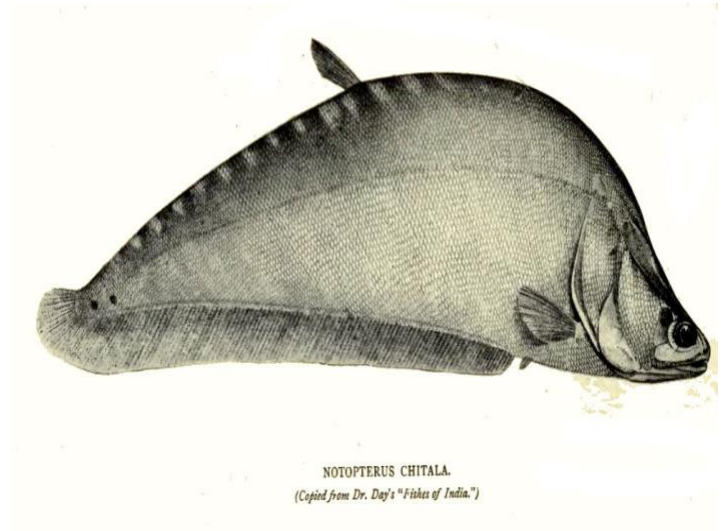
The fishes that can be reared in aquaria throughout their life span

Ex- B. dario, D. dangila, B. badis

2. Non-classified

The food fishes that are use in aquaria during their juvenile stage.

Ex- C. Chitala, L. Calbasu



Classified

Non-Classified

Diversified ornamental characters

These living jewels need not always have bright colours, sometimes their peculiar characteristic such as body colours, morphology, mode of taking food, etc. May also add to their attractiveness.

<u>Ornamental characters</u>	<u>Examples</u>
Beautiful colour	P. Sulcutas, C. lalia
Stripes and banding pattern	B. rostrata, B. dario
Chameleonic habit	B. badis bumanicus, p. Shalynius
Jumping behaviour	E. danricus, C. Laubuca
Charming predatory habit	C. Gacua, G. Giuris
Calm behaviour	C. Nobilis, N. Nadus
Transparent body	C. Nama, N. Baculis
Small size	B. rerio, dangila

Keeled abdomen

Chela Laubuca

RESOURCES

A total of 1539 species ornamental fishes are traded worldwide, where India offers more than 374 fresh water ornamental fish species and near about 700 marine ornamental fish species. Besides, in ornamental fish sector about 288 exotic and 300 marine exotic fish are been used.



Distribution of indigenous ornamental species

oWest Bengal : FW-190,MW-113 Lakshadweep Island:
MW-155

oNorth-east India: FW-250 Gulf of manner: MW-150

oWestern ghats:FW-155 Andaman and Nicobar island:
MW-150

Categorization

Aquarium fishes can be decided in to two board categories

▪ Egg layers: oviparous, fertilization external

1. Egg scatters

2. Egg buriers

3. Egg depositors

4. Nest builders

5. Mouth brooders: maternal/paternal

6. Mouth brooders/larvophile m b/communal parental care

▪ Live bearers: give birth to young ones

1. Ovoviviparous

2. Viviparous

**The commercially important
Indigenous and non-indigenous
species of ornamental fish
farming are listed below**

Scientific name of species

Common name of species

Botia lohachata

Reticulated loach

Brachydanio rerio

Zebra fish

Chandra nama

Glass fish

Colisa chune

Labeo nandina

Labeo calbasu

Notopterus notopterus

Oreichthys cosuatis

Puntius conconius

Putunius denisonii

Honey gourami

Pencil gold labeo

All black shark

Black knife fish

Hi fin barb

Rosy barb

Deninsion, s-barb

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