

# Importance of Ornamental fish culture

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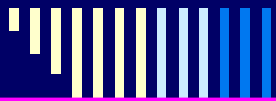
# Ornamental Fish- The world's most popular pets

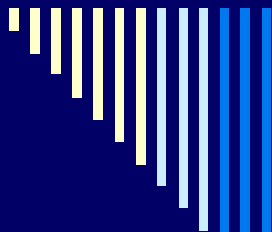


Aquarium keeping is the second largest hobby after photography.

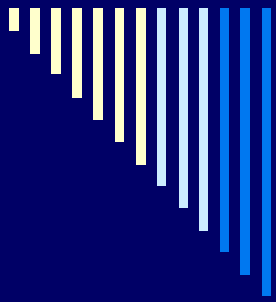
- Quite pets & Odour free
- Requires less space & time
- Mental Relaxation
- Thrives on Novelty







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Aquarium Keeping is not only a hobby but also a trade, an art, a science and also a tool for Socio-economic development

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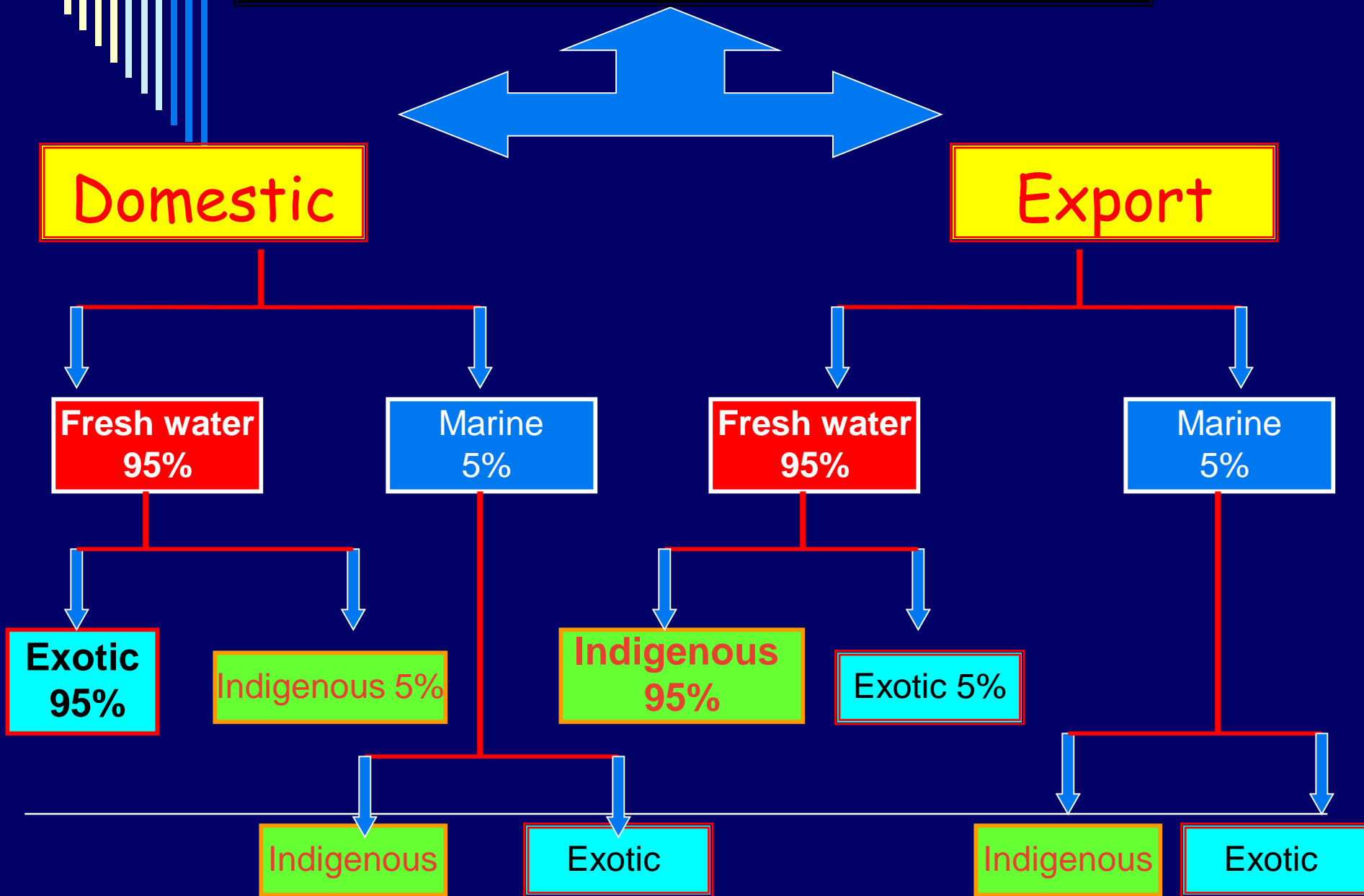
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# Trade - How?

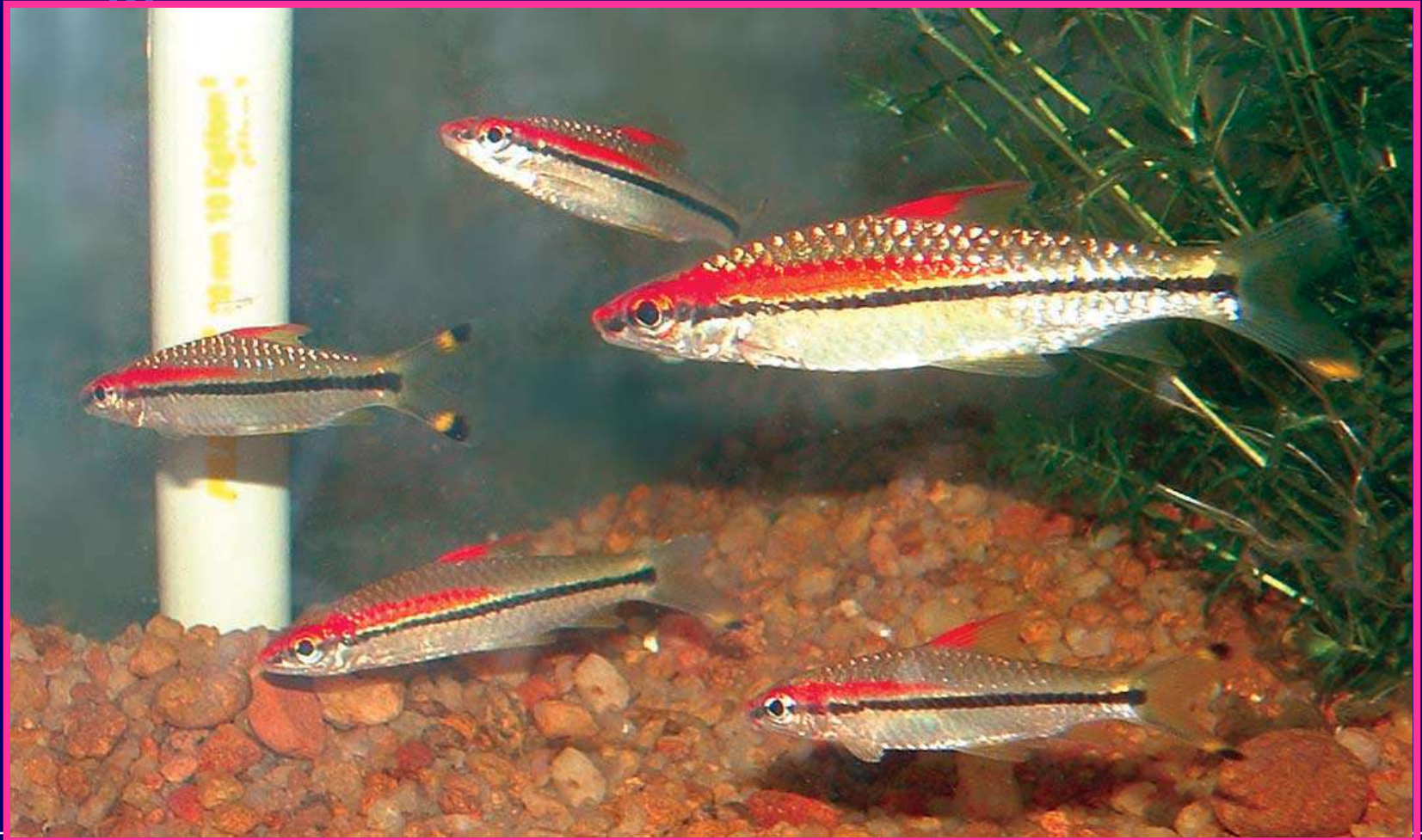
- Export market
  - Domestic market
-

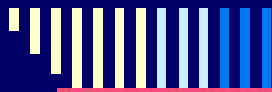
# Ornamental fish market of India





# *Puntius denisonii* (Day)





*Chela fasciata* Silas



*Puntius fasciatus* (Jerdon)



*Danio malabaricus* (Jerdon)



*Puntius melanostigma* (Day)

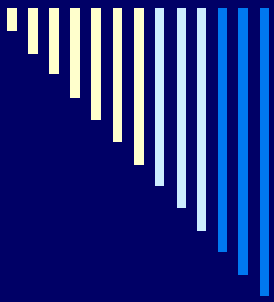




*Nemacheilus semiarmatus*



*Mesonemacheilus triangularis*



*Barilius  
canarensis*  
(Jerdon)



*Anguilla bicolor*  
*bicolor* McClelland



*Barilius gatensis* (Valenciennes)



*Puntius exclamatio*  
Pethiyagoda



*Puntius filamentosus* (Val.)

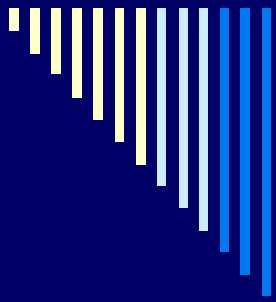


*Puntius jerdoni* (Day)

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*Puntius pookodensis* (Anna Mercy & E. Jacob)





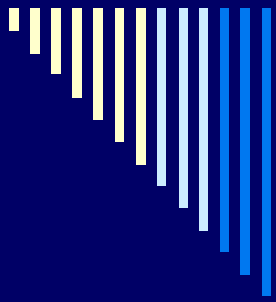
*Pristolepis marginata* Jerdon



*Pristolepis fasciata* (Bleeker)



**Family : Nandidae**



Trade  
(Domestic Market)

Accessories

Plants

Fishes

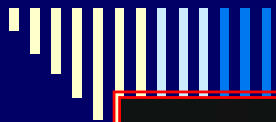
Tank, stand,  
hood

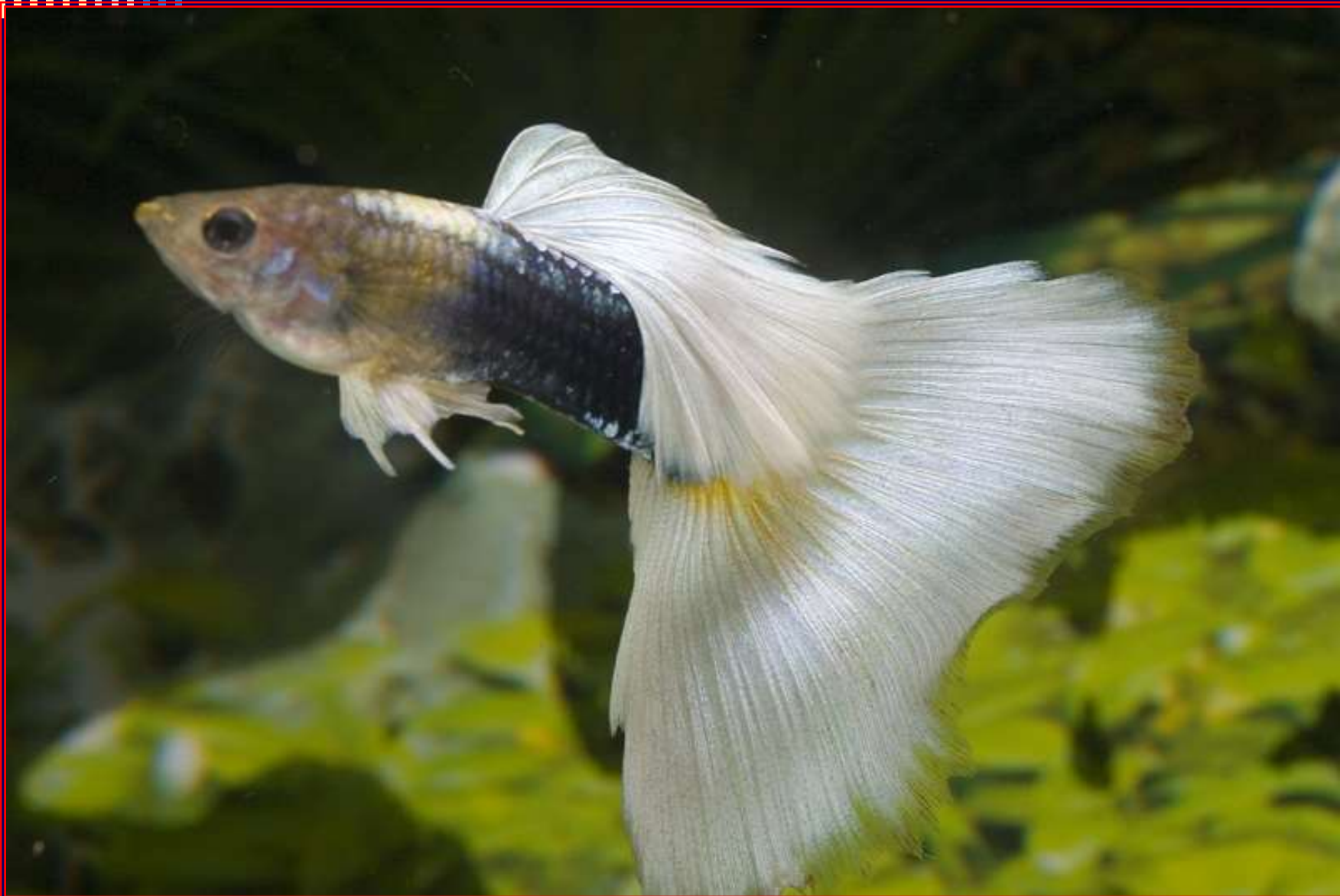
Power filter,  
tubes etc.





[http://www.tropic83.com/boutique/images/guppy%20strains.jpg%20\(Large\).jpeg](http://www.tropic83.com/boutique/images/guppy%20strains.jpg%20(Large).jpeg)

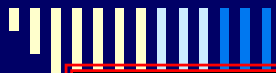




























- ✦ Can be of any material angle iron or wood
- ✦ Strong enough to withstand the weight of tank with water and fish
- ✦ Can be of multipurpose use like a book stand, almirah etc.

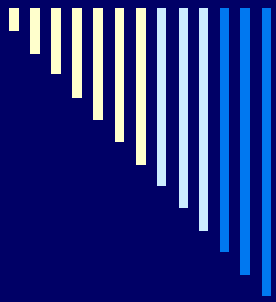
STAND





(BT/PR8031/SPD/24/148/2006)





Aquarium keeping - An art ?

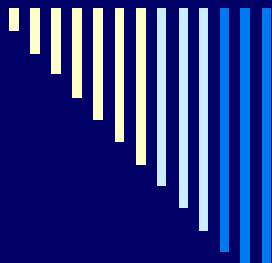
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## 1. Aquascaping

Value addition  
?

- ✓ Aquascaping is the interior designing of a tank. Making your tank look good can be difficult initially. Cleanliness is important. Clean the glass regularly, and do regular maintenance.
- ✓ Everything else comes with time...
- ✓ Bogwood, driftwood and other kinds of wood can make the tank look awesome.
- ✓ you can even grow Java Moss or Riccia on the wood.
- ✓ So use your imagination, and go ahead, make a wonderful tank



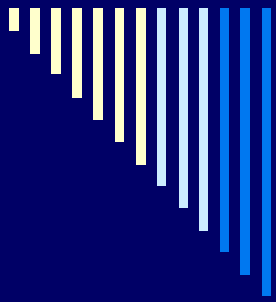
2.  
Decorations

Coloured sand  
stones/marbles etc.



*Blyxa aubertii*





Aquarium keeping- a science ?

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# Fighter - New varieties



06 - The King of CT

Male



11 - Turquoise DR CT

Male



23 - Orchid Black DR CT (IBC G4 Winner) Male



12 - Turquoise DR CT

Male



**43 - Black ST HM**

**Male**



**38 - Opaque White DR CT**

**Male**



**Yellow ST HM**

**Male**



**28 - Multi Color DR CT**

**Male**



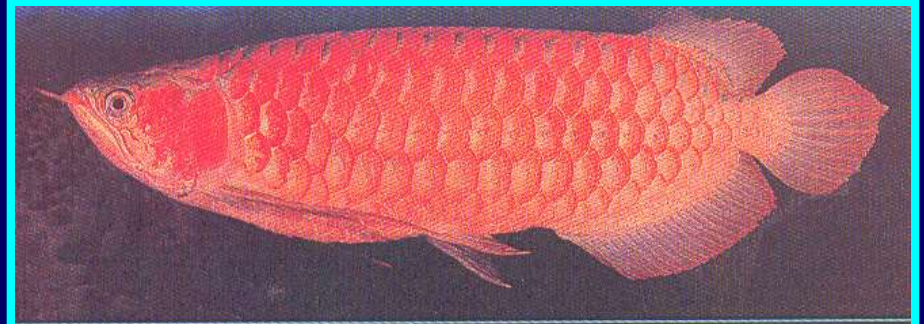
# Varieties of Flower Horn



# Arowana- New varieties



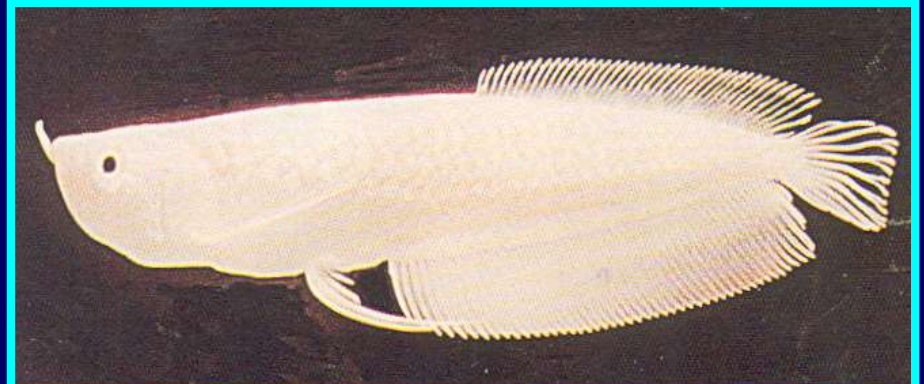
Full Gold Malaysian Golden



Blood Red Arowana



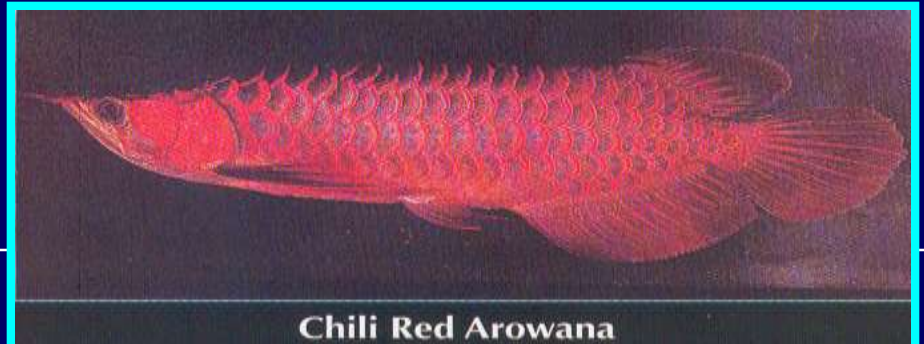
Special Quality Mutant Super Red



Platinum Silver



Orange Red Arowana



Chili Red Arowana



黑貓 BLACK-WHITE DRAGONEYE WITH BUTTERFLYTAIL



紅黑獅頭 RED-BLACK LIONHEAD



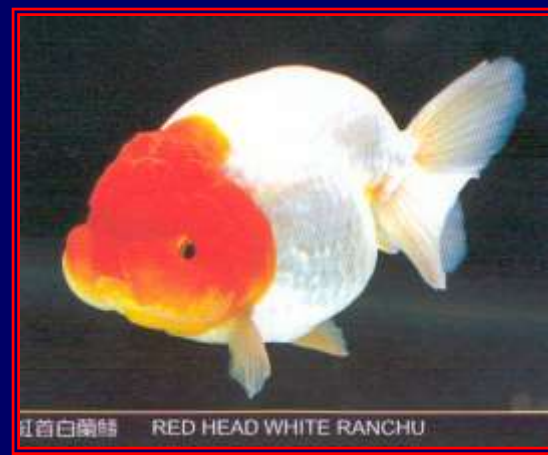
黑蘭壽 BLACK RANCHU



丹頂 WHITE ORANDA WITH RED CAP



五花水泡眼 CALICO BUBBLE-EYE



紅首白蘭壽 RED HEAD WHITE RANCHU



紅黑龍睛蝶尾 RED-BLACK DRAGONEYE BUTTERFLY-TAIL

Gold  
fish



五花獅頭 CALICO LIONHEAD

New  
Varities



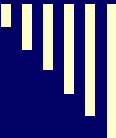
紅白珠鱗 RED-WHITE PEARLSCALE



## Discus-New Varieties



黄金七彩 GOLDEN DISCUS



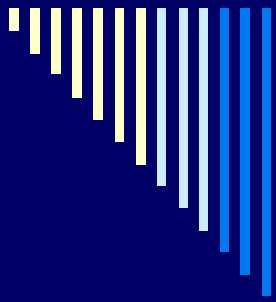
**Genetically modified fishes**





## Flourescent Fish (Glofish)





Aquarium keeping -

Socio-economic development of  
Rural people?

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DEPARTMENT OF  
BIOTECHNOLOGY PROJECT (D.B.T.)

TRAINING ON "ORNAMENTAL FISH  
CULTURE FOR INCOME AND EMPLOYMENT  
GENERATION AND TO ENHANCE  
SOCIO-ECONOMIC STATUS OF RURAL  
POPULATION OF KUMBALAM PANCHAYAT"  
Principal Investigator: Dr. Anna Mercy T.V.  
(Dept. of Fishery Biology)



# അലങ്കാര മത്സ്യകൃഷി പരിശീലനം

“കുമ്പളം പഞ്ചായത്തിലെ ഗ്രാമീണ ജനതയ്ക്ക് തൊഴിൽ സാദ്ധ്യതയും വരുമാനവും അതിലൂടെ സാമൂഹിക സാമ്പത്തിക ഉന്നമനത്തിനുമായുള്ള പരിശീലന പരിപാടി”

കേന്ദ്ര ബയോടെക്നോളജി വകുപ്പ് പദ്ധതി

കാർഷിക സർവകലാശാല, ഫിഷറീസ് കോളേജ്, പനങ്ങാട്, കൊച്ചി - 682506







# Kumbalam Panchayat Model

Breed fishes at your home

Construct aquarium tanks

Grow plants and sell it

Procure aquarium accessories

Prepare feed and sell

Servicing of aquariums

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# Ornamental fish culture

1. Backyard unit
  2. Commercial unit
-

# Success stories

## Identification of ponds in the village (6 ponds)





(BT/PR8031/SPD/24/148/2006)

# Achievements.....Impacts...

Fish culture initiated in backyard facilities









# Achievements....Impacts...



Fish culture initiated in terrace facilities





# Success stories.....Low cost tanks



# Success stories.....



R  
O  
U  
N  
D  
C  
E  
M  
E  
N  
T  
T  
a  
n  
k

# Success stories .....



C  
E  
M  
E  
N  
T  
  
T  
A  
N  
K  
S



# Ornamental fish culture initiated in ponds



Justin



Justin



Innocent



T.K Govindan



Shibu & Liji



Martin

# Commercial ventures initiated by the trainees



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# Commercial units

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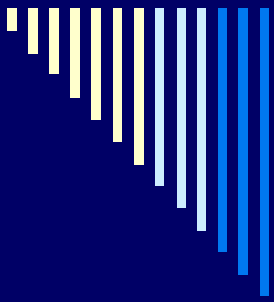
**Dr. ANNAMERCY TRAINING CENTRE .  
FOR  
ORNAMENTAL FISH BREEDING AND RESEARCH**

• DON BOSCO CENTRE, BISHRAMGANJ, T...



Dr. ANNAMERCY TRAINING CENTRE .  
FOR  
ORNAMENTAL FISH BREEDING-RESEARCH  
• DON BOSCO CENTRE, BISHRAMGANJ, TRIPURA •





Thank you

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