

# ORIENTAL REGION

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- This region includes Indian sub-continent Ceylon Burma Philippines. Formosa and Scaethe China, form the North of this region Himalayas are present.
- On the West of it Arabian sea is present. In the South east corner physical boundary is absent. This region includes 4 sub regions.
- This region shows tropical and temperate zones. In the North East Asia rain forest is present towards the west desert is present.
- The remaining part shows plains and rivers hence this region show different types of conditions. Hence more vegetation is present and more fauna is seen.



Canada

United States of America

Mexico

Atlantic Ocean

Pacific Ocean

Atlantic Ocean

Russia

Pacific Ocean

Indian Ocean

Brazil

Chile

Argentina

Bolivia

Peru

Venezuela

Colombia

Costa Rica

Guatemala

Honduras

El Salvador

Nicaragua

Cuba

Jamaica

The Bahamas

Trinidad and Tobago

Suriname

Guayana Francesa

Paraguay

Uruguay

- |                           |                                      |
|---------------------------|--------------------------------------|
| 1) Andorra                | 10) Luxembourg                       |
| 2) Armenia                | 11) Macedonia                        |
| 3) Bahrain                | 12) Montenegro                       |
| 4) Bosnia and Herzegovina | 13) Palestine                        |
| 5) Burundi                | 14) Rwanda                           |
| 6) Israel                 | 15) Saint Vincent and the Grenadines |
| 7) Kosovo                 | 16) San Marino                       |
| 8) Lebanon                | 17) Singapore                        |
| 9) Liechtenstein          | 18) Slovenia                         |
|                           | 19) Vatican City                     |

# Geographical Ranges

- It includes Pakistan, India, Southeast Asia (Afghanistan, Nepal, Burma, Thailand, Vietnam, Taiwan, Malaysia) the Philippines, and western Indonesia(Sumatra, Java, Borneo).

# Physical Features

- It is separated from palaeartic by Himalayas in north and bounded by Indian ocean and Pacific ocean.
- There is no physical boundary in southeast corner.
- Northern Indian is chiefly composed of grassy plains with scattered trees & bushes.
- The northwest is occupied by deserts, while southern portion is more rich in vegetation & forest.
- Srilanka, Malaysia, Indonesia & Indochinese regions are almost entirely covered with thick tropical forests.

# Four Sub Region Of Oriental

1. Indian sub-region
2. Ceylon sub-region
3. Indo-China sub-region
4. Indo-Malayan sub-region

# Indian Sub-Region

- It includes North India and Central part. It starts from the root of Himalaya and extend up to Malabar Coast. This region shows plains and deserts. It shows temperate and tropical conditions.
- In this region Antelopes, Peacock, Indian Bison, Black Elephant, Equus and some important snakes are present.



# Ceylonian Sub-Region

- It includes Ceylon, Small Indian Peninsula.
- It shows Loris, Elephants, Equas, Rat, Bandicoots and Snakes.



Loris



Equus



Bandicoots

# Indo-China SubRegion

- It includes China south of Palaeartic region.
- It includes Gibbons, Lemurs, Rhinoceros, Salamanders, Disc tongued frogs are present.



Gibbons



Rhinoceros

# Indo-Malayan Sub Region

- It includes Malayan peninsula and surrounding Islands.
- This region supports 132 families of fauna  
Gibbon, Rhinoceros, Badger, Broad bills etc.  
are very common in this region.



Badger



Broad bills

# Climates of oriental region

- The temperature is mainly tropical, in summer the temperature is up to 30C in most areas while in autumn and spring it is from 10- 20 C.
- In the eastern part of the region, from the Northeastern corner of India, Burma, Indo-China etc, there is much rain forest.
- High mountains with rich plant cover from Burma to China and Eastern Himalayas.

# Fauna of oriental region

- The fauna of Oriental region shows resemblances that of Ethiopian region. Hence some Zoogeographers have attempted to place Ethiopian and Oriental regions in Palaeotropical region.

# Fishes in oriental region

- Fish fauna of Oriental region will resemble that of Ethiopian region. Oriental fish fauna is dominated by Carps and Cat fishes.
- 1. Notopteridae
- 2. Anabantids
- 3. Syngnathus
- 4. Cypsilurus



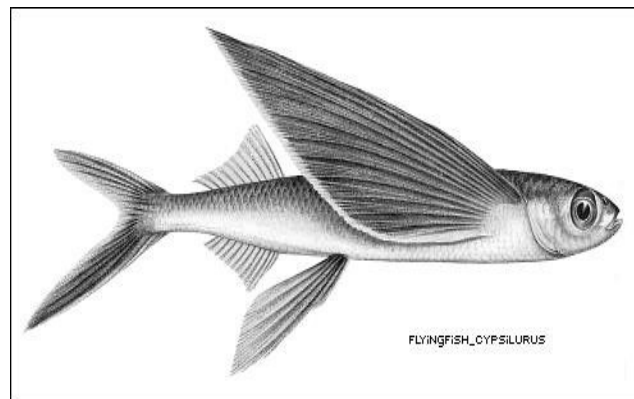
**Notopteridae**



**Syngnathus**



**Anabantids**



**Cypsilurus**

# Amphibians in oriental region

- Tailed Amphibians are very rare, only one genus is represented *Tylptotriton verrucosus*. Anura and Apoda Amphibians are more.
- 1. *Rana* species
- 2. *Hyla*
- 3. *Rhacophorus*
- 4. Buffonids
- 5. Discoglossids members
- 6. *Ichthyophis*
- 7. *Uraeotyphlus*
- 8. *Gegenophis* etc





**Tylptotriton verrucosus**



**Hyla**



**Discoglossids**



**Uraeotyphlus**

# Reptiles in oriental region

- Many reptiles are seen in this region. This fauna is dominated by lizards, snakes, turtles and Crocodiles.
- 1. Gavialis
- 2. Gecko (Flying Lizard)
- 3. Chameleon
- 4. Varanus (Indian Monitor Lizard)
- 5. Python
- 6. Typhlops
- 8. Testudo
- 9. Cobra etc
- In this region Xenopeltidae, Uropeltidae forms are exclusive.



**Gavialis**



**Typhlops**



**Xenopeltidae**



**Uropeltidae**

# Birds in oriental region

- In this region 66 families of Birds are included.
- 1. Honey Guides
- 2. Wood Pecker
- 3. Horn bill
- 4. Pea- cock etc



220px-Wahlberg's\_Honeyguide\_(Prodotiscus\_regulus).jpg

**Honey guides**



**Woodpecker**



**Horn bills**



**Peacock**

# Mammals in oriental regions

- This region includes 30 mammalian families.
- 1. Shrews
- 2. Rabbit
- 3. Canis
- 4. Cat
- 5. Aye-aye (Hyaena)
- 6. Bears
- 7. Equus
- 8. Rhinoceros
- 9. Great apes like Orangutan, Gibbon Gorilla, Chimpanzee Alirus (Himalayan Pander)
- 10. Camel
- In this region tree Shrews, flying lemurs, Indian Bisons are exclusive.



**Shrew**



**Canis**



**Hyaena**



**Indian Bisons**

# Affinities with Ethiopian region

- The fresh water fishes of oriental region are of rich and dominant assemblage.
- Oriental amphibians and reptiles are partly like and unlike the Ethiopian ones.
- The notable differences are that Oriental region lacks Pipids, Pelomedusids, leptotyphlopids etc.
- And has very few Chameleons, Gerrhosaurids, Amphisbaenids and Cordylid lizards.



- While it has Pelobatid frogs, Emydine turtles, Gavials, Uropeltids, Ilysiids, Colubrids and Pit vipers.
- Oriental birds are strongly Ethiopian in their main relationship.
- Oriental mammals are rather strongly Ethiopian in general.