

Migration in birds

Introduction and types

Defination of migration

- Aperiodic passing of animals from one place to another.
- The migration is the related with seasonal changes of climate or with some state life cycle of migratory animals
- Thje movement of migration is temporary or permanet

Types of migration

- Latitudinal Migration
- Means movement from north to south and vice versa
- Where they get facilities for nesting and feeding
- E.g. The american golden plover [*dominca Pluvialis*]

Altitudinal migration

- This is called as vertical migration
- The bird migrate on the mountains up and down their slopes as weather changes
- The bird go up to the mountains during summer seasons and return to low valley or plains in the winter seasons
- This type of migration is a Dispersal or short journey from slopes to more protected valleys
- E.g. violet green swallows of great *britain*

Longitudinal migration

- This migration in which some birds migrate from east to west *vice versa*
- *Starling moves from a breeding area in a east europe or asia towards the atlantic coast to avoid the continental winter*
- *E.g patagonian plover*

Partial migration

- All the birds of a group of migratory birds do not leave the native land but some birds stay on their breeding place
- E.g blue birds

Irregular or vagrant migration

- When birds after breeding the adults and young may stay from the home disperse from all direction over many or few 100 miles in search of food and safety for enemies
- E.g blue heron, cuckooos

Seasonal migration

- Temperate countries have classified migratory birds according to season
- These birds migrate from warm southern to northern in spring season for breeding and nesting
- E.g Summer visitor and winter visitor

Alimental migration

- When there is a shortage of food and water at any time in the year E.g. American golden plover

Climate and gamatic

Climatic migration

- Occurs as a result of daily or seasonal changes in the climate of enviromnet
- Eg . Ducks and geese

Gamatic migration

- When birds needs to occupy some special reagon or enviroment for some part of the reproductivr process
- E.g. Salmon