

## Impact of Shifting Habitats on Migratory Bird Populations: An Evaluation

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### Abstract

World migration is a normal activity in the world of birds. Generally, Birds migrate in a year sometimes they migrate twice a year. Birds migrate to one area to another area. They migrate one area to other area for breeding and climate purpose and many more regions. Normally the time of migrations seems to be controlled by chance and day length. A lot of migrate birds using Sun and Stars for their navigating. In those days the pattern of migrating birds is changing because they are facing several problems just like pollutions, weather change, climate change etc. Mostly the shifting of habitat is causes of climate change. Due to date the migrate species are facing too much risk.

**Keywords:** Navigate, migrate climate change, weather change, shifting of habitat, migrate species, Fragmentation, breeding area, wintering sites, wetlands, Risks of Collision, loss connectivity.

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### Introduction

In present world migrating birds are facing alarming population decline due to at present time many habitats are lost in whole world and climate change and also direct human hazards during their journey. At the time the migrating birds move to poleward or but area the facing more to more problem in ecosystem that in balance of reducing biodiversity. Here some very serious problems of migrating birds are as:

- 1. Loss of habitat Fragmentation:** In the whole world at present time the area of migrating birds as wetlands, essential breeding area stopover area, wintering sites are going to be reducing very rapidly.
- 2. Impacts of Climate Change:** In present world day by day temperature increases slowly due to date the wetlands and sources of water bodies are going to reducing so migrating Birds are facings many problems in their food & also in breeding.

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**3. Risks of Collision:** Ever year a lot of migrate birds die from colliding with building structures and several times including electricity lines, many communication towers and their negative rays etc.

**4. Pollution or More Light Pollution:** In agriculture sector whole world uses many types of pesticides and dangerous chemicals due to that food areas of migrating birds and insects are reducing very rapidly. In evening or nighttime, the artificial light is also very harmful for migrant birds.

**5. Illegal Hunting of Birds:** Thousands of birds during their migration are illegally trapped or shot, especially in regions like the Mediterranean (during their migration periods).

**6. Lacks Energy:** In searching a proper area for their habitat & breeding are they more fly thousands of km, so due to very long journey, the burn more energy, It is very harmful for birds.

### **Key Causes for Concern Migrate Birds**

**1. Reducing Population of Migrate Birds:** All above causes the number of migratory birds has almost half in the last 25 years with globally 45% of species showing population decreases.

**2. Loss of Connectivity:** During migration period these birds also face very serious problem of loss connectivity in their routes. The results of these reducing their chances of survival become very low.

Some other causes are also very vital in their problems, as follows:

- Habitat Loss of Migrants Birds
- Degradation of Bird habitats
- Climate Change
- Low rate of insects due to overuses of chemicals
- More change in Habitat
- Increased unsuitable weather for birds in habitats
- More human communication towers
- Long distance for habitat
- Irregular their migrating & breeding cycle
- Collisions with Window or other Glass
- Migratory marine species are threatened with extinction very rapidly
- Low quality of fresh drinking water
- More human activities in habitat area

## Solutions for Migrate Birds

No doubt it is necessary today that we solve the problem of migrating birds. Not only is it very important for these birds but also it is very vital for mankind. Here are some analytical solutions as follows:

1. Keep your cat, dog & non vegetarian pet inside in their home to protect such types of small birds. No doubt It is the best option for your domestic animals but also vital for small birds.
2. Keep away your birds from hitting dangerous objects in your home & prevent birds hitting your windows.
3. Do not use pesticides in your garden.
4. Develop various types of water bodies in your area.
5. You have must develop or create a backyard habitat at home or near to your vacant land. No doubt it may help birds to breed. Doing that you surely be rewarded by their beautiful song & music of nature and will have fewer insect pests as a result.



a domestic bird nest

6. Develop habits to donate bird watching equipment etc. It may be donated to various schools.
7. Develop habits to reduce carbon footprint & contact your energy supplier and ask him about it.
8. Try to always buy a organic food & drink.
9. Keep always clean of bird's objects to avoid disease and prevent mosquitoes from breeding.
10. Establish a organization or society of bird loving peoples.

## Conclusion

So, we have taken major steps to prevent birds' habitats by reducing our wrong habits & reducing more use of carbon footprint. Sifting in climate is the other serious causes for declining birds' habitat, The reduced use of carbon will also help to maintain bird habitat.

Generally, the shifts in climate are changing the environment range of many plant & birds and animal species.

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