

## Tilapia parvovirus (TiPV)

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### About Tilapia parvovirus (TiPV):

- It is a small, nonenveloped, **single-stranded DNA (ssDNA) virus**.
- It **was first reported in China** in 2019 and Thailand in 2021. India is the third country to report the occurrence of TiPV.
- This virus was localized in the gills, heart, brain, liver, pancreas, spleen, intestine, kidney, eyes, and muscles of tilapia.

### Key facts about Tilapia fish

- Tilapia is a common name used for certain species of fishes belonging to **the family Cich lidae (order Perciformes)**.
- These are freshwater **species native to Africa**.
- It is easily raised and harvested food fish.
- Their commercial advantages include resistance to disease, and a diet of readily abundant algae and zooplankton.
- Tilapia' has emerged to be one of the most productive and internationally traded food fish in the world.
- The culture of tilapia has become commercially popular in many parts of the world and the fishery experts have dubbed **the tilapia as "aquatic chicken"** due to its quick growth and low maintenance cultivation.
- **Mozambique tilapia** was introduced to Indian fresh water bodies in the 1950s and it is called **Jilabi in Tamil**.
- Capable of **surviving in low-oxygen levels in water**, the fish has turned invasive across the country.

- **Nile tilapia** introduced in the 1970s is a **little bigger and is cultured on a large-scale**
  - In India, **tilapia farming** is being carried out in different parts of **Andhra Pradesh and Kerala**.
  - Although tilapia are robust and adapted to intensive farming conditions and environmental changes, disease outbreaks, particularly those with viral origins, continue to threaten tilapia production.
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## Q1) What is DNA?

DNA, or deoxyribonucleic acid, is a molecule that carries the genetic instructions necessary for the growth, development, functioning, and reproduction of all known living organisms and many viruses.

**Source:** [First tilapia parvovirus reported in Tamil Nadu](#)

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Source: <https://vajiramandravi.com/current-affairs/tipv/>

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