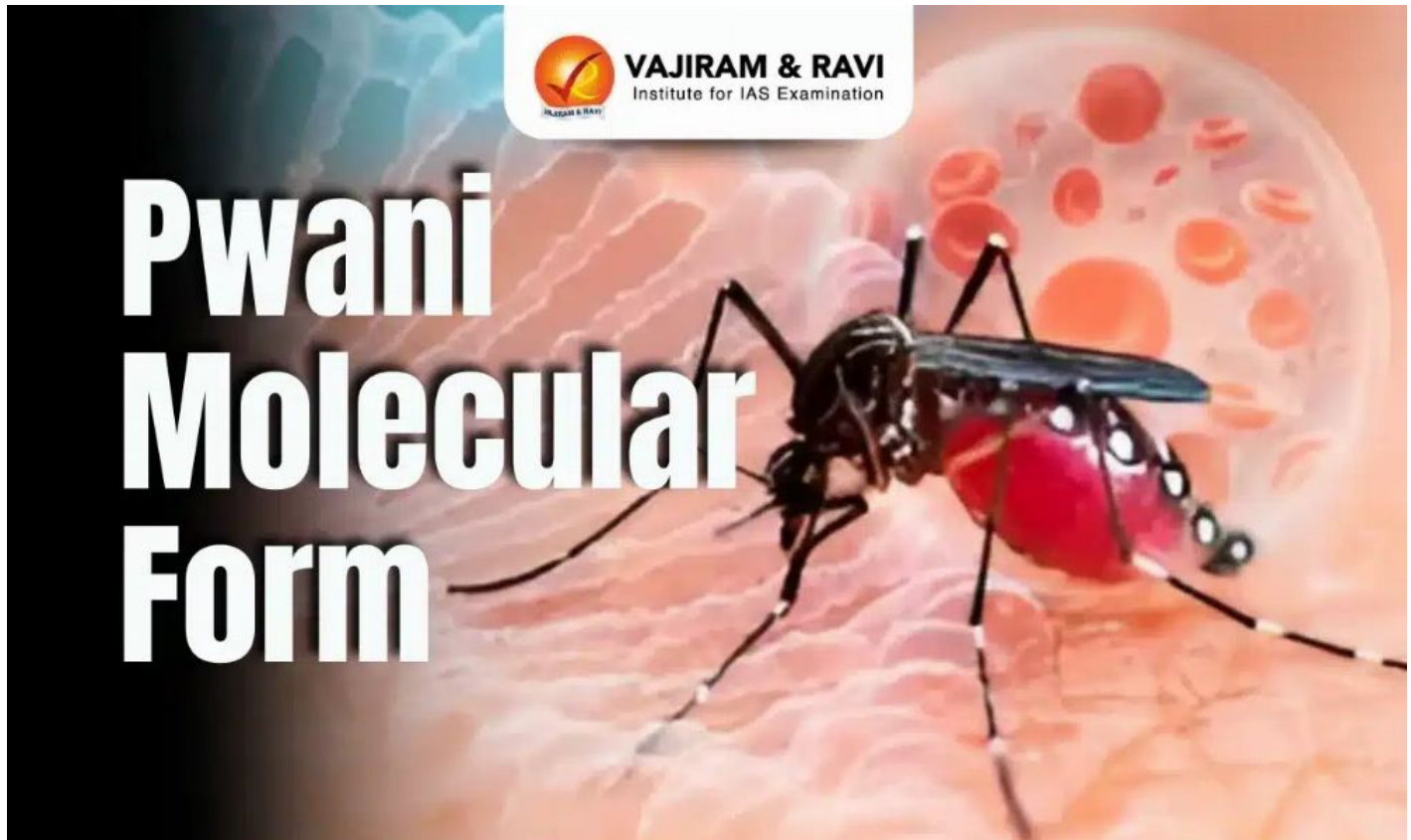


Pwani Molecular Form

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Pwani Molecular Form Latest News

A new mosquito species, provisionally named the “Pwani molecular form”, has been discovered in the coastal regions of Tanzania and Kenya.

About Pwani Molecular Form

- The species belongs to the **Anopheles gambiae complex**, a group comprising **some of the world’s most potent malaria vectors**.
- The **Pwani mosquito** shows **clear genetic divergence** from other members of the *Anopheles gambiae* complex, indicating it could have **distinct ecological or behavioural adaptations**.
- **Genetic sequencing** confirms that this species is **geographically restricted to coastal East Africa**, especially **Tanzania and Kenya**.
- Unlike known malaria vectors in the region, this mosquito **lacks the usual genetic markers for insecticide resistance**, indicating a **unique resistance mechanism** or **greater susceptibility** to existing insecticides.

- This creates **serious implications** for current **malaria control strategies**, which depend heavily on **chemical insecticides**, including **bed nets** and **indoor residual spraying**.

Source: **PHY**

Source: <https://vajiramandravi.com/current-affairs/pwani-molecular-form/>

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