

Eco-biology of Common Emigrant *Catopsilia pomona* Fabricius (Lepidoptera: Pieridae) with special reference to its life table attributes in Tripura, India

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**ABSTRACT:**

Butterflies of the family Pieridae are common in tropical parts of the world. They are considered as major pollinators as well as pests of economically important plants. *Catopsilia pomona* is a dominant pierid butterfly found in association with wild plants of Tripura, northeast India. It is abundant throughout the year. Present study was conducted to document the eco-biology of *Catopsilia pomona* with special reference to its life table attributes in the state of Tripura. Survival rates of life cycle stages in the semi-natural as well as in the field were the maximum during the wet and hot season. Mortality (k value) of different life cycle stages as a proportion of individuals dying during development varied from 0.16 to 0.46 in different seasons. Results suggested that abiotic factors and mortality factors of egg significantly influenced the survival rate of *C. pomona* population. This butterfly depends on three species of *Cassia* plants, all shrubs, for their oviposition and larval development in the environment of Tripura.

**Keywords:**

*Catopsilia pomona* butterfly, Pieridae, eco-biology, life table, Tripura, north east India.