# National Catalogue of Butterflies and Moths

**Prelims:** *Current events of national and international importance | Environment*

## Why in News?

*Recently, The Zoological Survey of India (ZSI) announced the completion of the National Catalogue of Lepidoptera (Butterflies and Moths), the final volume was published in Zootaxa.*

- **Authored by** – Dr. Rahul Joshi and Dr. Navneet Singh
- **Project –** 22 distinct catalogue volumes covering Indian Lepidoptera.
- **Indian Lepidoptera –** 13,703 species across 3,705 genera, 240 subfamilies, 102 families, 31 superfamilies.
- Representing approximately 8.25% of all known butterfly and moth species worldwide.
- **Geometroidea in India –** 2,205 species across 479 genera, 13 subfamilies, 4 families
- Accounting for 8.80% of the world's known species in this superfamily.
- **Final Volume –** Catalogued 1,689 species, resolving long-standing taxonomic gaps.
- **Family Composition**
  - **Geometridae –** 2,100 species, 445 genera.
  - **Uraniidae –** 95 species, 27 genera.
  - **Epicopeiidae –** 9 species, 6 genera.
  - **Pseudobistonidae –** 1 species, 1 genus.
- **Subfamilies**
  - Ennominae (895 species),
  - Larentiinae (565 species),
  - Geometrinae (309 species).
  - Epidesmiinae (Geometridae) and Heraculinae (Pseudobistonidae) are each represented by a single species in India.

*The family Sematuridae is absent from Indian fauna, being largely restricted to the New World.*

**Reference**

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