

7. ENTOMOLOGY

Brief History of Entomology (in India):-

The word entomology derived from **Greek** words:

- **Entomon** = Insect
- **Logos** = Study
- Entomology is the branch of science that deals with the study of insects.
- The study and use of insects in crime investigations is known as **Forensic entomology**.
- The study of insects in relation to human beings is known as **Medical entomology**.
- Insects came on the earth about **350 millions year ago**, while human being appeared on the earth about 1 million year ago.
- **Arthropods** form **biggest phylum** of animal kingdom with the highest diversity of species (about 10 Lacs of known species) followed by plants with 3.30 lacs known species.
- However mammals have only 4000 described species on the earth (means we are very less diverse as compare to insects and plants).
- Arthropods (insects) were initially aquatic and later became terrestrial.
- **1745-1808- J.C. Fabricus**: -He conducted an extensive study of Indian insects for the first time and classified insects in to 3 orders based on the type of mouth parts.
- **1767-1779-J.G. Koenig**: - He started the regular scientific work on Indian insects and supplied the insect specimens to systematic.
- **1897-1899-Sir Ronald Ross**: - He discovered the malarial parasite, *Plasmodium*, which is transmitted by female *Anopheles* mosquito.
- **1901- Lionel de Niceville**: - he was appointed as **first entomologist to govt. of India**.
- **1903- H.M. Lefroy**: - he regarded as second entomologists to Govt. of India and wrote two books '**Indian Insects Pests**' and '**Indian Insect Life**' in 1906 and 1909, respectively.
- **1906**- Established 'Forest Research Institute (FRI)' at Dehradun
- **1914**—Enacted' Destructive Insect-Pests Act (DIPA)
- **1914**- Started '**Zoological Survey of India**, Kolkata (W.B.)
- In **1925**- Established 'Indian Lac Research Institute, Ranchi, Jharkhand' (now renamed as 'Indian Institute of Natural Resins and Gums).
- **1937**- Established '**Division of Entomology**' at IARI, New Delhi
- **1937-Hem Singh Pruthi**: - He was founder of '**Entomological Society of India**' and he regarded as '**first Indian Entomologist**' to Govt. of India.