

CHAPTER-IV
SUMMARY

S U M M A R Y

Since Braconid wasps are significant biocontrol agents of insect pests, any advance knowledge on the taxonomy and distribution is, therefore of potential practical value. There are many instances where biological control programmes have failed due to the incorrect species identity. Keeping in view the above facts the present topic was selected.

In the present thesis, attempts have been made on the taxonomy and distribution of ten new species, out of which four belong to the genus Cotesia and six to Dolichogenidea of tribes Cotesini and Apantelini of sub family microgastrinae of family Braconidae.

The thesis has been divided into five chapters. The First Chapter is devoted to the Introduction, which provides national and international status of the topic and review of literature.

The Second Chapter deals with Material and Methods.

The Third Chapter narrates the taxonomical details and distributional records of the braconid wasps studied here and also the discussions under which the present braconid wasps have been compared with old species for confirming their identity.

From the genus Cotesia Cameron 1891 C.gramini, C.indica, C. karviri and C. lepidopteri have been described for the first time from India and from the Dolichogenidea Viereck 1911

the species D. parijatki, D. revati, D. sathei, D. tarvadi, D. ujlai and D. yamini.

The species D. yamini was restricted to Marathwada only while rest of 9 species to the Western Maharashtra.

The Fourth chapter embodies the Summary of the thesis and the Fifth chapter refers to bibliography. The thesis has an Appendix of three research papers presented/accepted at Workshop/Conference/Journal.

- (1) Rokade A.G. and Sathe T.V. A new species of the genus Apanteles Cameron from Western Maharashtra, India. A Workshop on "Bio-control : A Natural Method of Integrated Pest Management" held at Pravaranagar, March 25-26, 1995. (Presented)
- (2) Sathe, T.V., Bhoje P.M. and Rokade A.G. A new species of the genus Compoplex Gravenhorst (Hymenoptera : Ichneumonidae). Biological and cultural control of Agricultural and Medical pests. (Conf.) held at Palliancottai Feb. 22-24, 1995 (accepted).
- (3) T.V. Sathe and A.G. Rokade. A comparative study of Haemocytes of Heliothis armigera (Hubn.) (Lepidoptera) and it's Parasitoid, Campoletis chloridae Uchida (Hymenoptera) Oikoassay, Vol.; 1 & 2, 1994.