

## SUMMARY

### IMPORTANCE OF THE STUDY OF DIPTERA AND THEIR ROLE IN THE BIOLOGICAL CONTROL

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The followings are interesting Dipteras, which have been collected recently in Iran. Among these specimens some are known as pests or occur as natural enemies.

The larva of **Psacadina zernyi** May. is collected on rice stem and its biology is under investigation. **Ephydra** sp. which damages the rice roots has been collected in rice paddies, this fly seems near **Ephydra riparia**, but according to W.W. Wirth it might be at least a new subspecies. **Leptoxida persica** Hend. which damages cucumber in north-east (Khorassan), and melons in the south of Iran. **Meoneura** sp. is found on bean roots in Bandar-abbass.

A few interesting Tachinid parasitic flies are:

**Neoplectops pomonellae**, parasite of **Carpocapsa pomonella** (L.) ; **Drino atropivora**, a parasite of **Acherontia atropos** L., and **Eucarcelia axisa separata** Rond. which parasitizes **Lymantria dispar** (L.). One of the Sarcophagid parasitic fly is **Nyctia halterata** Panz. which is active on **Helicella candaharica**. Among the natural enemies of Acridids we have found **Blaesoxipha lineata** Fall. which parasitizes Locusts and **Callistoma soror** Loew (Dipt. Bombyliidae) which is known as egg-predator of **Dociostaurus maroccanus** Thnb.

### Bibliography

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3. Uvarov, B.P. 1928 - Locusts and Grasshoppers.