

ABSTRACT

Mites are tiny creatures, microscopic in size belonging to the order Acarina and sub class Acari. These microscopic creatures successfully colonized nearly every known habitat and are distributed throughout the world. Phytophagous mites feed and destroy the plant cells, effect the developing tissue, form galls on different parts of plants, inject toxins into them and transmit viral diseases and cause heavy losses to the crops and ultimately economic loss to the country. To explore these harmful mites present project on mites of Tetranychidae Family found in different localities of Gujranwala Division was taken in hand and completed.

Sample of leaves, twigs and leaf litter from different plants of Gujranwala Division were collected and processed. Mites were sampled through Sieve collection and hand picking methods. The specimens collected were preserved in 60 % alcohol and few drops of glycerine and permanent slides of collected specimens were made in Hoyer's medium. As a result of survey of tetranychid mite fauna of plants at Gujranwala division a total of 14 species were collected, out of these 6 are new species. These species belong to the genera *Bryobia*, *Anaplonobia*, *Tetranychopsis*, *Georgiobia*, *Petrobia*, *Aponychus*, *Panonychus*, *Eutetranychus*, *Tetranychus* and *Oligonychus*. The species collected and described are as below:

1. *Bryobia praetiosa* Koch
2. *Bryobia ehari* Pritchard & Keifer
3. *Tetranychopsis naraniensis* Chaudhri *et al*
4. *Anaplonobia quadratus* n. sp

5. *Georgobia nasri* n. sp
6. *Petrobia (Petrobia) pipliensis* n. sp
7. *Petrobia (Tetranychina) nokheri* n. sp
8. *Aponychus lupus* Chaudhri
9. *Panonychus citri* McGregor
10. *Eutetranychus orientalis* Mc Greogor
11. *Eutetranychus iramei* n. sp
12. *Eutetranychus dotistriae* n. sp
13. *Tetranychus urticae* Koch
14. *Oligonychus (Reckiella) pratensis* (Banks)

These species have been described in detail and in case of already known species, new collection data have been given. Specimens have been deposited in the Museum Department of Zoology, G.C.University, Lahore.