

**NEW RECORD OF SOME TETRANYCHID MITES (ACARI : TETRANYCHIDAE)
FROM CHHINDWARA DISTRICT, MADHYA PRADESH**

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INTRODUCTION

A perusal of literature reveals that very little is known about the tetranychid fauna of M. P. Two species of tetranychid mites, *Tetranychus macfarlanei* Baker and Pritchard and *Petrobia latens* (Mullar) were reported by Bindra and Kittur (1961) from Madhya Pradesh, Gupta and Gupta (1978) reported 7 more species from M. P. in addition to this, Gupta (1985) in his Hand Book on Indian plant mites, listed 4 species from Madhya Pradesh. Recently, Gupta and Gupta (1994) reported 8 species from M. P. However, so far nothing has been reported from Chhindwara District. The present communication is based on the material collected by the author during a Chhindwara dist. survey and reports 9 species belonging to 5 genera. All these species are reported for the first time from the district and out of these 4 species are reported for the first time from the state. The entire material treated here is deposited in the Central Regional Station, Zoological Survey of India, Jabalpur.

SYSTEMATIC ACCOUNT

Genus I : *Eutetranychus* Banks

1. *Eutetranychus orientalis* (Klein)

1936. *Anychus orientalis* Klein, *Bull. agric Res. Stn. Rehovoth*, 21 : 3.

1994. *Eutetranychus orientalis*, Gupta and Gupta, *Mem. Zool. Surv. India*. 18 (1) 35-37.

Material examined : 25 ♀♀ (Reg. No. A/1709). M. P. Dist. Chhindwara, Around Rly. Stn., Pandura, ex. Neem plant, 23.11.1989; 14 ♀♀ ♂ 1 (Reg. No. A/1822), Pandhurna, ex. Citrus, 22.11.1989; 35 ♀♀ (Reg. No. A/1841), Forested area around Parasia, ex. wild plant, 19.11. 1989; 2 ♀♀ (Reg. No. A/1846), Pandhurna North, ex. wild pant, 24.11.1989.

Distribution in India : Assam, Delhi, Gujrat, Haryana, Jammu and Kashmir, Madhya Pradesh, Karnataka, Punjab, Uttar Pardesh & West Bengal.

Genus II : *Eotetranychus* Oudemans2. *Eotetranychus hirsti* Pritchard and Baker

1926. *Tetranychus fici* Hirst. *Proc. zool. Soc. Lond.* 828.

1994. *Eotetranychus hirsti*, Gupta and Gupta. *Mem. zool. Surv. India*, 18 (1) : 67-68.

Material examined : 4 ♀♀, 1♂ (Reg. No. A/1843), M. P. Dist. Chhindwara, Pandhurna North, ex. Grass, 24.11.1989.

Distribution in India : Andhra Pradesh, Bihar, Delhi, Karnataka, Madhya Pradesh, Punjab, Tamil Nadu and West Bengal.

Genus III : *Oligonychus* Berlese3. *Oligonychus mangiferus* (Rahman and Sapra)

1940. *Paratetranychus mangiferus* Rahman and Sapra, *Proc. Indian Acad. Sci.* 11 (B) : 192.

1994. *Oligonychus mangiferus*, Gupta and Gupta, *Mem. zool. Surv. India*, 18 (1) : 108.

Material examined : 14 ♀♀, 1♂ (Reg. No. A/1844), M. P. Dist Chhindwara, Imalikhera, ex. Mango, 17.11. 1989.

Distribution in India : Bihar, Delhi, Haryana, Himachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Orissa, Punjab and West Bengal.

4. *Oligonychus punicae* (Hirst)

1926. *Paratetranychus punicae* Hirst, *Proc. zool. Soc. London*, 830.

1985. *Oligonychus oryzae*, Gupta, *Handbook : Plant Mites of India*, : 88-89.

Material examined : 15 ♀♀, 1♂ (Reg. No. A/1713), M. P. Dist. Chhindwara, Imalikhera, ex. Wild plant, 17.11.1989.

Distribution in India : Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh and West Bengal.

Remarks : Recorded for the first time from Madhya Pradesh.

5. *Oligonychus indicus* (Hirst)

1923. *Paratetranychus indicus* Hirst., : 990.

1985. *Oligonychus indicus*, Gupta, *Handbook : Plant Mites of India*. : 86.

Material examined : 15 ♀♀, 1♂ (Reg. No. A/2649), M. P. Chhindwara Dist., Kaream, Pataalkot, ex. unidentified plant, 25.02.1994.

Distribution in India : Andhra Pradesh, Bihar, Delhi, Haryana, Karnataka, Meghalaya, Orissa, Punjab, Tamil Nadu, Uttar Pradesh and West Bengal.

6. *Oligonychus iseilemae* (Hirst)

1924. *Paratetranychus iseilemae* Hirst., 524.

1985. *Oligonychus iseilemae*, Gupta : *Handbook Plant mites of India* 86-87.

Material examined : 5 ♀♀, 1♂ (Reg. No. A/2651), M. P. Chhindwara Dist., Sangerapot, Patalkot, ex. unidentified plant, 21.02.1944.

Distribution in India : Andaman and Nicobar Islands, Andhra Pradesh and Tamil Nadu.

Remarks : This mite is not known to have any economic importance.

Genus IV : *Schizotetranychus* Tragardh

7. *Schizotetranychus hindustanicus* (Hirst)

1924. *Tetranychus (Schizotetranychus) hindustanicus* Hirst, *Ann. Mag. Nat. Hist.*, 9 (14) 525.

1985. *Schizotetranychus hindustanicus* Gupta, *Handbook : Plant mites of India*, : 11.

Material examined : 3 ♀♀, 1♂ (Reg. No. A/2312), M. P. Dist. Chhindwara, Dhimra Dhara vill. ex. Benyan leaves, 20.11.1989.

Distribution in India : Kerala and Tamil Nadu.

Genus V *Tetranychus* Dufour

8. *Tetranychus urticae* Koch

1867. *Acarus cinnabarinis* Boisd., *Ent. Hort.*, 88.

1985. *Tetranychus cinnabarinus*, Gupta, *Handbook : Plant Mites of India*, : 106.

1994. *Tetranychus cinnabarinus*, Gupta and Gupta, *Mem. zool. Surv, India* : 18 (1) : 131-133.

Material examined 13 ♀♀ 2 ♂♂ (Reg. No. A/1842), M. P. Distt. Chhindwara, Area around forest, Parasia, ex. Rose, 19.11.1989.

Distribution in India : Bihar, Gujrat, Haryana, Karnataka, Kerala, Madhya Pradesh, Meghlaya, Orissa, Punjab, Rajasthan, Tamil Nadu and West Bengal.

9. *Tetranychus neocaledonicus* Andre

1933. *Tetranychus neocaledonicus*, Andre, *Bull. Mus. Natn. Hist. nat. Paris*, 42 (5) : 302.

1985. *Tetranychus neocaledonicus*, Gupta, *Handbook : Plant Mites of India*, : 113-115.

1994. *Tetranychus neocaledonicus*, Gupta and Gupta, *Mem. zool. Surv. India* 18 (1) : 131-133.

Material examined 23 ♀♀, 2 ♂♂ (Reg. No. A/1778), M. P. Dist. Chindwara, Imalikhera, ex. Cucumber, 17.11.1989.

Distribution in India : Assam, Bihar, Delhi, Gujrat, Haryana, Karnataka, Kerla, Maharashtra, Madhya Pradesh, Meghalaya, Orissa, Punjab, Rajasthan, Uttar Pradesh and West Bengal.

SUMMARY

Nine species of tetranychid mites belonging to 5 genera are reported for the first time from the Chhindwara District. Out of these, four species viz. *Oligonychus punicae* (Hirst), *Oligonychus indicus* (Hirst), *Oligonychus iseilemae* (Hirst) and *Schizotetranychus hindustanicus* (Hirst) are reported for the first time from the State.

ACKNOWLEDGEMENT

The author is grateful to Officer-in-Charge, Central Regional Station, Zoological Survey of India, Jabalpur for providing the necessary facilities and for going through the manuscript and offering valuable suggestions.

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