

Nomenclatural Notes on Some Indian Rust Fungi.

By A. V. S a t h e,

(Maharashtra Association for the Cultivation of Science, Poona 4, India).

1. Rust on *Leonotis nepetaefolia* Br.:

During the course of his mycological collections at Kolhapur, Maharashtra State, India, the writer came across a rust infecting the plants of *Leonotis nepetaefolia* Br. The microscopic examination revealed the rust in its uredial stage. The previous literature showed the report of *Puccinia leonotidicola* P. Henn. A r t h u r (1915) pleaded for its changed nomenclature as *Puccinia leonotidis* (P. Henn.) Arthur, regarding the previous reports as synonymous with it. According to the articles Nos. 49, 59, 60 & 73 of Botanical Nomenclature (L a n j o u w et al. 1956) the former nomenclature by P. H e n n i n g s, i. e. *Puccinia leonotidicola* P. Henn. appears to be valid. Hence the present collection of the writer is referred to as follows:

Puccinia leonotidicola P. Henn. Bot. Ergeb. Kunene-Sambesi Exp. 1902: 3.

Syn.: *Uredo leonotidis* P. Henn. in Engler, Pflanzenwelt Ost-Afr. u. Nachbargebiete, 1895, Teil C, p. 52.

Aecidium leonotidis P. Henn. l. c. 1895, p. 52.

Uredo cancerina P. Henn. in Hedwigia 1895, 34: 330.

Uredo leonoticola P. Henn. in Hedwigia 1899, 36: (69).

Puccinia leonotidis (P. Henn.) Arth. in Mycologia 1915, 15: 245.

This rust is reported from Mysore State (Belgaum: former Bombay State) (Butler & Bisby Rev. Vasudeva, 1954). Here it is reported for the first time from Maharashtra State, India, where it occurs in Southern Parts of the State, and prevails mostly in uredial stage.

2. Rust Fungus on *Elephantopus scaber* L.: A rust fungus in its uredial stage occurring on *Elephantopus scaber* L. was first described by P e t c h (1912), with the discovery of the telial stage it was described as *Phakopsora elephantopodis* by H i r a t s u k a (1935) under a new combination. On the basis of the arrangement of the teliospore, this fungus was subsequently transferred to *Angiopsora elephantopodis* (Hiratsuka) Mundkur & Thirumalachar by T h i r u m a l a c h a r & M u n d k u r (1951). The writer transferred this fungus to *Physopella elephantopodis* (Mundk. & Thirum.) Sathe, following in this respect C u m m i n s & R a m a c h a r (1958). According to article Nos. 49, 59, 60 & 73 of Botanical Nomenclature (L a n j o u w, 1954),

however, the correct nomenclature of the rust fungus under consideration should be as indicated below:

Physopella elephantopodis (Hirats.) Sathe comb. nov.

Syn.: *Uredo elephantopodis* Petch. in Ann. Roy. Bot. Gard. Peradeniya 1912, 5: 249.

Phakopsora elephantopodis Hirats. in Bot. Mag. Tokyo, 1925, 49: 54.

Angiospora elephantopodis Mundkur et Thirum. in C. M. J. Myc. Pap. 1951, 40: 9.

Physopella elephantopodis Sathe in Sydowia 1965 (1966), 19: 141.

A c k n o w l e d g e m e n t .

The writer wishes to express his deep sense of gratitude to Prof. M. N. K a m a t for his unfailing interest and constant guidance.

R e f e r e n c e s .

- Arthur, C. J. 1915. Uredinales of Porto Rico based on Collections by F. L. Stevens. Mycologia 7: 168—196.
- Butler, E. J. & Bisby, G. R. (Revised by Vasudeva). 1954. Fungi of India. The I. C. A. R., New Delhi, Page No. 103.
- Cummins, G. B. and P. Ramachar. (1958). The Genus *Physopella* replaces *Angiospora* Mains. Mycologia 37: 619—628.
- Lanjouw, J. et al. 1956. International Code of Botanical Nomenclature. Int. Bur. f. Plant Tax. and Nomencl. of Inter. Assoc. Plant. Taxo. Netherlands. pps. 338.
- Ramakrishnan, T. S. 1952. Additions to Fungi of Madras XII. Proc. Indian Acad. of Sci. Sec. B 35: 111—121.

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Sydowia](#)

Jahr/Year: 1967/1968

Band/Volume: [21](#)

Autor(en)/Author(s): Sathe A. V.

Artikel/Article: [Nomenclatural Notes on Some Indian Rust Fungi. 130-131](#)