

## THE GENUS *LEVEILLINOPSIS* STEV. FROM INDIA

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In the present paper, the genus *Leveillinopsis gossypii* sp.nov. recorded on *Gossypium herbaceum* L. from Ramling forest, Yedsi, Dist. Osmanabad (M.S.) On critical morphological investigation *Leveillinopsis gossypii* sp.nov. has been described as a new species. The genus also constitutes the first generic record from India.

**INTRODUCTION** The genus *Leveillinopsis* was originally erected by Stev. (1923) with *Leveillinopsis palmicola* stev. as the type species. Ainsworth (1971) recorded only one species from the world. The Genus remained unrepresented in India uptill now. The genus is characterised by the perithecia composite in stroma. The stroma innate, erumpent or superficial, not clypeate. Asci hyaline, cylindrical to clavate, bitunicate, 8-spored, Ascospores 1-celled, hyaline, oblong to ovoid, uniseriate to biseriate.

### MATERIALS AND METHODS



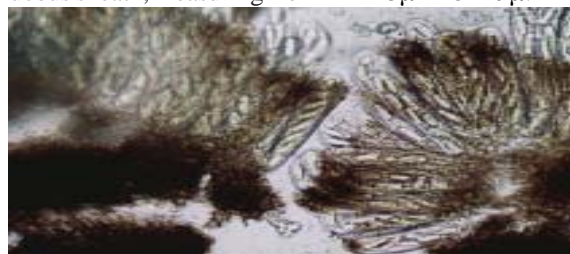
***Leveillinopsis gossypii* sp.nov.**



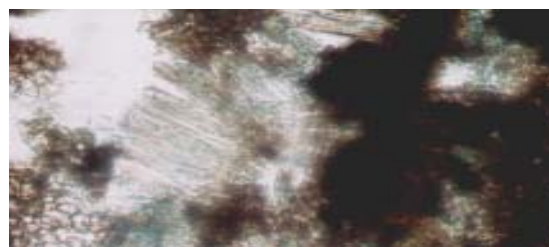
(A) (A) Dead stem of *Gossypium herbaceum* L. (B) v.s. Stroma

The collection were made from Ramling forest, Yedsi. The field observation was carefully done and identification of the host was carefully recorded. In the laboratory, the hand sections of the infected plant material was carefully taken with the help of blade. The slides were prepared by using lactophenol as a mounting medium and cotton blue as a stain. Then the slides were sealed with nail paint. The slides were carefully observed under the calibrated research microscope. The measurement of stroma, Asci and Ascospores were carefully taken. The identification of the fungus was done with the help of book, "Genera of Fungi", by Clements and Shear.

**RESULT AND DISCUSSION** *Leveillinopsis gossypii* sp. nov. Stroma superficial, dark coloured, measuring from 1334-1400 $\mu$  x 227 - 237 $\mu$ . Asci cylindrical, hyaline, bitunicate, 8-spored, measuring from 71-72 $\mu$  x 28 - 29 $\mu$ . Ascospores hyaline, 1-celled, oblong, biseriate, with thin mucous sheath, measuring from 42 - 43 $\mu$  x 28 - 29 $\mu$ .



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(D) (C) Asci (D) Ascospore

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