

A new species of *coniothyrium corda*.

PS Kaste

Department of Botany, J.D. Patil Sangludkar Mahavidyalaya, Daryapur Distt. Amravati, Maharashtra, India

Abstract

During a survey of fungi the author collected a species of *Coniothyrium* Corda causing dead stems of *Cajanus cajan* (L.) Millsp. The present species of *Coniothyrium* was compared with the earlier known species [1-5] and was found differ greatly in its pycnidial and conidial morphology. However, the present collection falls close to *C. ambadevianum* [1] in certain respects. But the former differ from the latter in having smaller pycnidia. To accommodate this fungus, its description as a new species is called for.

The material was examined and deposited at 'Ajrekar Mycological Herbarium', Agharkar Research Institute, Pune as holotype. The detailed description of the same with latin diagnosis are given below.

Keyword: Coniothyrium, new species, fungi,

Introduction

Material and Methods

The specimen was collected from Dhamangaon-Rly (Distt Amravati, Maharashtra) on dead stem of *Cajanus cajan* (L.) Millsp. (Papilionaceae) on 25-06-2001, legit. P.S. Kaste, No. AMH. 8784.

Description

Coniothyrium cajanicola sp. nov.

Pycnidia brown, spherical to oval, erumpent, ostiolate, measure 120 – 200 x 132 – 200 μ m; conidiophores simple with 1 – 2 annelations; conidia light – brown, unicellular, oval to round, measure 4 – 12 μ m in diameter.

Pycnidia brunnea; globosa vel ovoidea, erumpentia, ostiolata, magnit. 120 – 200 x 132 – 200 μ m; conidiophora simplicia, 1 – 2 annulata; conidia pallide – brunnea, unicellularia, ovoidea vel globosa, magnit. 4 – 12 μ m.

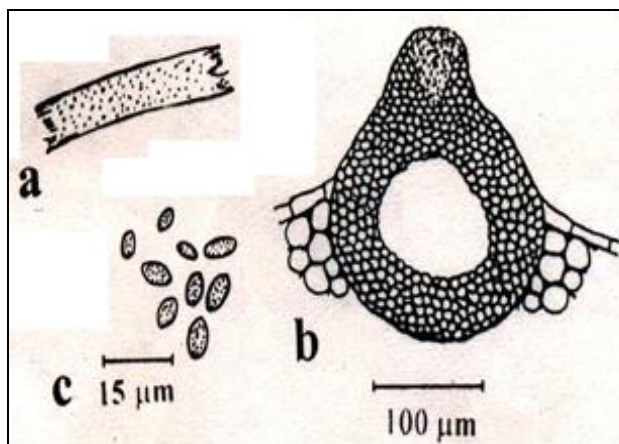


Fig 1: *Coniothyrium cajanicola* sp. Nov. a. Habit on stem b. V.S. through pycnidium c. Conidia

References

1. Hande DV. Studies into some Indian Ascomycetes and Fungi – imperfecti. Ph.D. thesis, Amravati University, Amravati. 2000.
2. Punithlingum E. C.M.I. description of pathogenic fungi and bacteria, C.A.B. 1980, 668.
3. Singh SM, Agarwal GP. Some sphaeropsidales new to India. Indian Phytopath. 1975; 27:244-247.
4. Subhedar AW, Rao VG. Some noteworthy coelomycetes. J. Univ. Poona. Sci. and Tech. 1979; 52:317-322.
5. Sutton BC. The coelomycetes, C.M. I., Kew, England. 1980, 696.