

A New Species of the Genus *Trematosphaeria* Fuck. from India

S. P. N a n i r, Lecturer in Botany
Mahatma Gandhi Mahavidyalaya Ahmedpur, Dist. Osmanabad,
Maharashtra, India

During the survey of pyrenomycetous fungi from this region, the author has collected some heavily infected stem of *Triumfetta rotundifolia* Lam. which on critical examination was found to be a species of *Trematosphaeria* Fuck. The comparative morphological investigations revealed that it differs in major morphological features from the earlier described species, besides it is also collected from a hitherto unreported host. It is therefore presented as a new species to science.

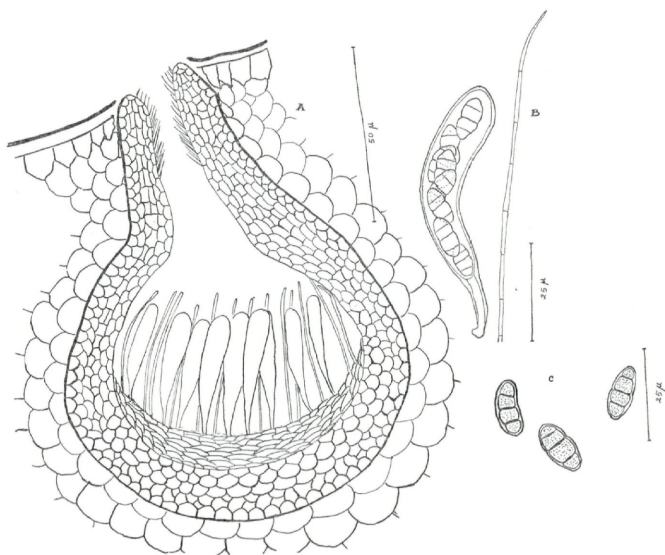


Figure: A — *Trematosphaeria indica* sp. nov. perithecium. B — Ascus of the same. C — Ascospores the same.

Trematosphaeria indica sp. nov.

Perithecia dispersa, omnino innata, globosa, subglobosa vel crasse conoidea, epidermide pustulatum elevata tecta, 180—270 × 160—200 μ; ostiolo papiliformi praedita; asci clavati vel cylindracei, crasse tunicati, stipitati, 68—72 × 12.8—14.4 μ, 8-spore; sporae fusiformes, 3-septatae, ad septa constrictae, brunneae, 14.4—16 × 6.4—8 μ.

Perithecia scattered, globose, sub-globose to conical with rounded bases, completely immersed into corticated wood, mouth slightly projecting above the epidermis, measuring from 180—270 × 160—200 μ; ostiole papillate. Asci clavate, cylindrical to slightly curved, betunicate, stipitate, hyaline, measuring from 78—72 × 12.8—14.4 μ, 8-spored. Ascospores 4-celled, at maturity constricted at each septum, brown, fusiform, measuring from 14.4—16 × 6.4—8 μ.

Discussion

The genus *Trematosphaeria* was erected by Fuckel (1870) with *T. pertusa* Fuck. as the type species. The genus remained unrepresented in Indian flora until Chona, Munjal and Kapoor (1957) described a new species, e. g., *T. jasmimi* on Jasminum. Tilak reported a new host for the species *T. canariensis* Urries. With the addition of the present species, the number of the species of *Trematosphaeria* Fuck. from India is now three.

Acknowledgement

Greatful thanks are due to Dr. S. T. Tilak for guidance and encouragement, and to Principal Shri P. B. Sawant of Mahatma Gandhi Mahavidyalaya Ahmedpur, Dist. Osmanabad for facilities. Thanks are also due to Dr. F. Petrak for Latin rendering of the species. My thanks are due to Shri U. Z. Chouhan for typing this paper.

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Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Sydowia](#)

Jahr/Year: 1972/1974

Band/Volume: [26](#)

Autor(en)/Author(s): Nanir S. P.

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