

Some new and noteworthy Fungi from India—IX

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With 4 figures

During recent investigations of rare ascomyceteous fungi from India, the author has come across with dried and dead branches of *Prinsepia utilis* Royle, *Pongamia pinnata* Merr, *Millingtonia hortensis* L and *Prosopis spicigera* L being infected with some black fungi. On critical examination, the fungi were found to be new to science on the basis of comparative morphology and host specificity besides being reported hitherto on unreported hosts. They are presented as below:

Ceriospora prinsepieae spec. nov.

Perithecia singularia vel plus minusve aggregata, matrici immersa, nigra, ostiolo periphysato punctiformiter erumpentia, globosa vel ovoidea, $385-450 \times 250-350 \mu$; asci numerosi, cylindracei vel clavati, stipitati, crasse tunicati, $92-110 \times 18-25 \mu$, paraphysati, paraphyses filiformes, ascos superantes; sporae incomplete distichae, fusiformes, rectae, hyalinae, medio septatae, vix vel leniter constrictae, utrinque in mucronem abruptinscule attenuatae, $35-40 \times 10-14 \mu$.

Perithecia singly or aggregate, embedded in the substratum of the host, erumpent, black, with protruding apex (beak), ostiolate, measuring $385-450 \times 250-350 \mu$. Asci numerous, cylindrical to clavate or spindle shaped, stipitate, bitunicate, $92-110 \times 18-25 \mu$, 8-spored, paraphysate; paraphyses filiform, longer than the asci; paraphyses are also present in the neck. Ascospores spindle like, hyaline, two celled, the hyaline outer wall develops into an appendage at each end (both ends), biseriata, $35-40 \times 10-14 \mu$.

Collected on dead stems of *Prinsepia utilis*, Royle, in the month of Dec. 1969, Ooty, Leg. Ramchandra Rao and deposited in the herbarium of M. S. G. College under number 121.

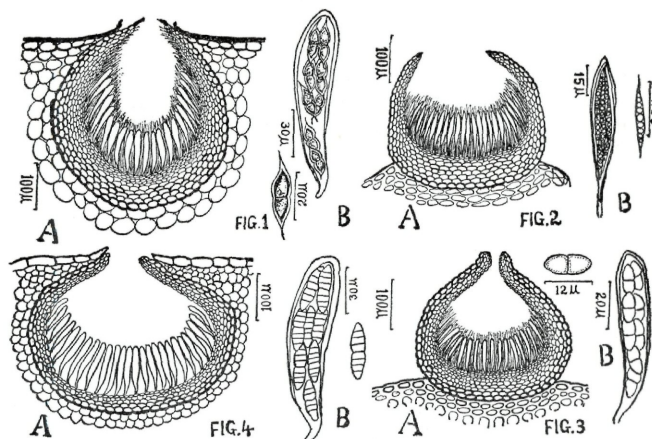
Bovillia pongamiae spec. nov.

Perithecia singularia, superficialia, obscure brunnea vel nigra, ostiolata, globosa vel oviodea, $310-400 \times 155-300 \mu$; asci numerosi, fusiformes, utrinque attenuati, stipitati, crasse tunicati, paraphysati, $80-95 \times 10-15 \mu$; sporae di-vel incomplete tristichae, angustissime

fusoideae, rectae, hyalinae, utrinque paulatim attenuatae et acumina-
tae, transverse multiseptatae, $20-28 \times 2.5-4 \mu$.

Perithecia single, separate, superficial, dark brown to black,
ostiolate, spherical to flask shaped, $310-400 \times 155-300 \mu$. Asci long,
fusoid, tapering at both the ends, hyaline, paraphysate, pedicellate,
bitunicate, $80-95 \times 10-15 \mu$. Ascospores 8, hyaline, long and pointed
at both the ends, transversely multiseptate, irregularly biseriate, $20-28 \times 2.5-4 \mu$.

Collected on dead branches and stems of *Pongamia pinnata* Merr,
in the month of Feb. 1969, Kannadbari, Leg. Ramchandra Rao and



Explanation of figures: A. Section through the ascocarp. — B. Ascus and ascospore.

1. *Ceriospora prinsepiiae* — 2. *Bovilla pongamiae* — 3. *Lentomita millingtoniae* — 4. *Lophiostoma prosopidis*.

deposited in the herbarium of M. S. G. College under number (M. S. G. C.).

Lentomita millingtoniae spec. nov.

Perithecia singularia vel greges minulos formantia, superficialia,
obscura brunnea vel nigra, levia, ostiolo papilliformi praedita, $200-300 \times 215-285 \mu$; asci numerosi, cylindracei vel clavati, stipitati, crasse
tunicati, 8-spore, $65-80 \times 12-15 \mu$; paraphyses filiformes, ascos supe-
rantes; sporae distichae, ellipsoideae vel oblongae, primum hyalinae,

postea subhyalinae, medio septatae, plus minusve contractae, $9-13 \times 5-7 \mu$, episporio et septo crassiusculo praeditae.

Perithecia single or in small groups, superficial, dark brown to black, smooth, flask shaped, ostiolate, ostiole papillate, measuring $200-300 \times 215-285 \mu$. Asci many, cylindrical to clavate, stipitate, bitunicate, paraphysate, 8-spored, $65-80 \times 12-15 \mu$. Paraphyses filiform longer than asci. Ascospores initially hyaline but later on become subhyaline, 2 celled, wall and septum thick, elliptical to oblong, $9-13 \times 5-7 \mu$.

Collected on dead branches and stems of *Millingtonia hortensis* L., in the month of Dec. 1969, Leg. Ramchandra Rao and deposited in the herbarium of M. S. G. College under number (M. S. G. 123).

Lophiostoma prosopidis spec nov.

Perithecia matrici immersa, dispersa globosa vel subglobosa, nigra, ostiolo compresso, angustissime rimoso praedita, $325-410 \times 300-390 \mu$; asci numerosi, clavati, antice late rotundati, postice in stipitem brevem abruptiuscule attenuati, crasse tumicati $110-122 \times 14-20 \mu$; sporae di-vel incomplete tristichae, fusiformes transverse $5-7$ -septata, medio distincte, ceterum vix vel lenissime constrictae, primum hyalinae, postea olivaceae, $30-40 \times 5-9 \mu$.

Pseudothecia immersed, scattered, globoid to flask shaped, erumpent, black, ostiolate, smooth, with slit like ostioles, $325-410 \times 300-390 \mu$. Asci numerous, narrowly clavate, stipitate, stalk short, hyaline, bitunicate, 8-spored, $110-122 \times 14-20 \mu$. Ascospores fusiform, irregularly biseriate, $5-6$ septate, slightly constricted at septa but the middle constriction is quite prominent, hyaline, first and later on change into olive-brown, $30-40 \times 5-9 \mu$.

Collected on dead stems of *Prosopis spicigera* L., in the month of Dec. 1969, at Kannadbari Leg. Ramchandra Rao and deposited in the herbarium of M. S. G. College under number M. S. G. C. 124.

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