

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 prinsepiae 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; periphyses 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), biserrate, $35-40 \times 10-14 \mu$.

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.

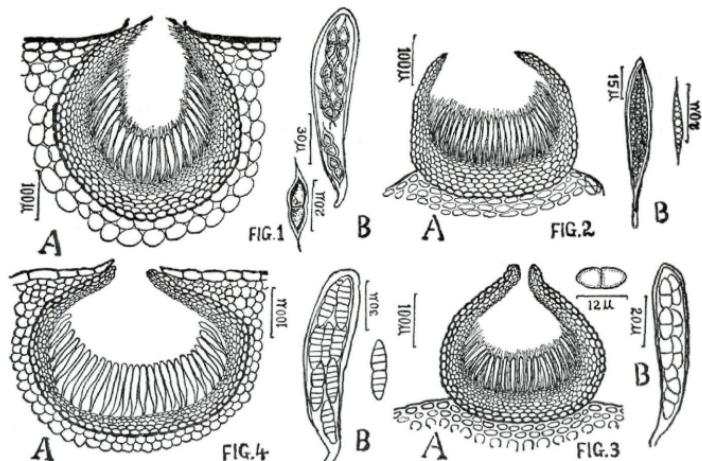
Bovilla pongamiae spec. nov.

Perithecia singularia, superficialia, obscure brunnea vel nigra, ostiolata, globosa vel ovioida, $310-400 \times 155-300 \mu$; 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 acuminate, transverse multisepatae, $20-28 \times 2.5-4 \mu$.

Perithecia single, separate, superficial, dark brown to black, ostiolate, spherical to flask shaped, $310-400 \times 155-300 \mu$. Ascii 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 multisepitate, irregularly biserrate, $20-28 \times 2.5-4 \mu$.

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 prinsepiae* — 2. *Bovilla pongamiae* — 3. *Lentomitella millingtoniae* — 4. *Lophiostoma prosopidis*.

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

Lentomitella millingtoniae spec. nov.

Perithecia singulare vel greges minutos formantia, superficialia, obscure brunnea vel nigra, levia, ostiolo papilliformi praedita, $200-300 \times 215-285 \mu$; asci numerosi, cylindracei vel clavati, stipitati, crasse tunicati, 8-spori, $65-80 \times 12-15 \mu$; paraphyses filiformes, ascos superantes; sporae distichae, ellipsoideae vel oblongae, primum hyalinae,

postea subhyalinae, medio septatae, plus minusve contractae, 9—13×5—7 μ , episporio et septo crassiusculo praeditae.

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

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—410×300—390 μ ; ascii numerosi, clavati, antice late rotundati, postice in stipitem brevem abruptiuscule attenuati, crasse tumicati 110—122×14—20 μ ; sporae di-vel incomplete tristichiae, fusiformes transverse 5—7-septata, medio distincte, ceterum vix vel lenissime constrictae, primum hyalinae, postea olivaceae, 30—40×5—9 μ .

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

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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