

SOME NEW HOST RECORDS FOR DEMATIACEOUS FUNGI FROM WESTERN GHATS, INDIA

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The present input to Western Ghats mycota deals with a project for the investigation of micro fungi from Maharashtra.

During exploration of micro fungal diversity in various regions of Western Ghats during 2011-12, the authors came across some new host records of micro fungi. On perusal of literatures, (Bilgrami & al., 1971, 1981, 1991; Jamaluddin, 2004, Maheswari & al., 2012; Ellis, 1971, 1976; Subramanian 1971) new host records for 8 species of Dematiaceous hyphomycetes fungi in Western Ghats were documented in the present paper which are enumerated herewith.

ENUMERATION

1. **Berkleasmiium abuense** Chouhan & Panwar, 1981 (Fig 1. A.)
Material examined : On dry leaf sheath of *Roystonea regia* (Kunth) O.F.Cook Fam. Arecaceae, BSI Garden, Pune, Coll. No - B.S.I. (W.C) 194101, 30.10.2012 - Leg. R.Dubey.
2. **Cercospora apii** Fres. 1863, Beitr. Mycol., 3:91. (Fig 1. B & C)
On dry leaf sheath of *Roystonea regia* (Kunth) O.F.Cook Fam. Arecaceae, BSI Garden, Pune, Coll. no. B.S.I. (W.C.) 194103, 16.4. 2012 - Leg. R.Dubey.
3. **Cladosporium colocasiae** Swada, 1916, Rep. nat. Hist. Ass. *Formosa*, 25. (Fig. 1. D.)
On dry leaves of *Codiaeum variegatum* (L.) Blume, Fam. Euphorbiaceae, BSI Garden, Pune, Coll. no- B.S.I. (W.C.) 194100, 7.11. 2012 - Leg. R.Dubey.
4. **Dendryphiopsis atra** (Corda) Hughes, 1953, Can. J. Bot., 31: 655 (Fig 1. E.)
On dry stem of *Samanea saman* (Jacquin) Merrill, Fam. Fabaceae, BSI Garden, Pune, Coll. no. B.S.I. (W.C.) 194104, 26.3. 2012 - Leg. R.Dubey.
5. **Exserohilum rostratum** (Drechsler) K.J. Leonard & Suggs, Mycologia, 66: 290, 1974
Helminthosporium rostratum, Drechsler, 1923, *J. agric. Res.*, 24: ,124. (Fig 1.F.)
On dry leaf sheath of *Roystonea regia* (Kunth) O.F. Cook Fam. Arecaceae, BSI Garden, Coll. no. B.S.I. (W.C) 194098, 23.9.2012- Leg. R.Dubey.
6. **Periconia minutissima** Corda, Icones fungorum hucusque cognitorum, 1: 19, t. 5:259, 1837. (Fig 1. G.)
On leaves of *Musa paradisiaca* L., Fam. Musaceae, Wada, Thane District, coll.no. B.S.I. (W.C.) 194099, 18.10.2012, Leg. R.Dubey.
7. **Torula herbarum f. quaternella** Sacc., Annales Mycologici, 11 (6): 556, 1913 (Fig 1. H.)
On leaves of *Dracena fragrans* L. Fam. Liliaceae, BSI Garden, Pune, Coll. no- B.S.I. (W.C) 194098, 6.11.2012, Leg. R.Dubey.
8. **Zygosporium gibbum** (Sacc., Rouss. & Bomm.) Hughes, 1958, Can. J. Bot. 36(6): 825. (Fig 1. I)
On leaves of *Leea indica* (Burm.f.) Merr. Fam. Vitaceae, Amboli ghat (M.H.), Coll. no- B.S.I. (W.C) – 200095, 21. 1. 2012, Leg. R.Dubey.

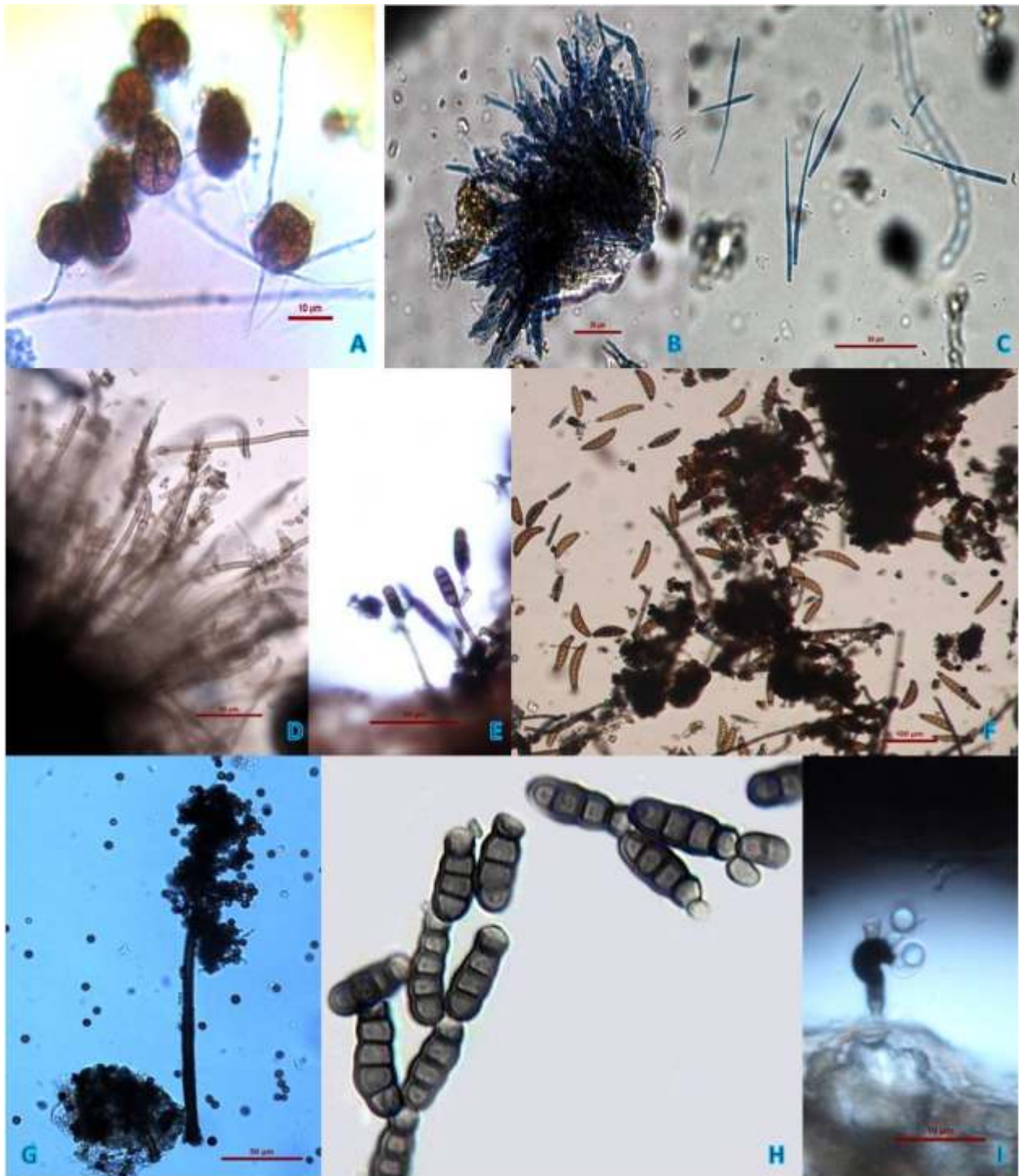


Fig. 1 : **A.** Conidia of *Berkleasmium abuense* Chouhan & Panwar (X 400); **B.** Stromata of *Cercospora apii* Fres (X 400); **C.** Spores of *Cercospora apii* Fres (X 400); **D.** Conidia and Conidiophores of *Cladosporium colocasiae* Swada (X 40); **E.** conidia and Conidiophores of *Dendryphiopsis atra* (Corda) Huges (X 400); **F.** conidia and Conidiophores of *Exserohilum rostratum* Drechsler (X 100); **G.** Conidia and Conidiophores of *Periconia minutissima* Corda (X 400); **H.** Conidia of *Torula herbarum* f. *quaternella* Sacc (X 400); **I.** Vesicle and conidia of *Zygosporium gibbum* Sacc. Rouss. & Bomm (X1000).

The above cited host fungal relationships are new records for science. Thus, this data may contribute to the world of fungal diversity and will be useful for plant disease diagnosticians, regulatory officials weed scientists, growers and other plant health and plant protection professionals.

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