

## Report: Additions (and annotations) to fungi of Burma

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### Abstract

The report adds or annotates 25 spp. of fungi in 13 taxonomic classes. Specimens are held in Herb. IMI and K.

### Introduction

This is one of the contributions to the taxonomic and morphologic knowledge of fungi of Burma, the largest country in mainland Southeast Asia. It adds new, or annotates old, records to update their current inventory. No follow-up laboratory work was done to comment on these records. The additions and/or annotations are listed below by fungal group together with available data on hosts, locations, collectors, collection dates, and herbarium (IMI) and (K) accession numbers.

#### 1. Agaricomycetes

1. *Phanerochaete salmonicolor* (Berk. & Broome) Jülich (= *Corticium salmonicolor*) on/from *Eucalyptus camaldulensis*, Rangoon Division, leg. F.B. Armitage, 14-ii-1981 (IMI 255694).

#### 2. Blastocladiomycetes

1. *Allomyces macrogynus* (R. Emers.) R. Emers. & C.M. Wilson on/from indeterminate substrate, Burma, leg. R. Emerson, 28-iv-1989 (IMI 332398).

#### 3. Coelomycetes

1. *Kirramyces epicoccoides* (Cooke & Masee) J. Walker, B. Sutton & Pascoe, on/from *Eucalyptus* sp., Maymyo, leg. Maung Mya Thaug, 20-i-1974 (IMI 185241) reported also as *Phaeoseptoria eucalypti* Hansf. (Thaug 2008). Cf. somewhat similar specimens of *Cercospora* sp. on/from *Eucalyptus* sp. in Burma (IMI 172865, 180778b) with teleomorphic initials probably of a *Mycosphaerella*.
2. *Phoma* sp. on/from *Eucalyptus camaldulensis*, Rangoon Division, leg. F.B. Armitage, 14-ii-1981 (IMI 255695).

#### 4. Dothideomycetes

1. *Capnodium* spp. on/from *Ficus* (IMI 160461), *Cassia siamea* (IMI 185679) and *Gossypium* (IMI 26090) in 1925.
2. *Dimerosporium gilgianum* Henn. on underside of leaves of *Retinodendron laurifolium* Korth (?= *R. lanceifolium* Korth), Burma (Herb. Griffith No. 412) per Hennings (1894).
3. *Meliola daviesii* Hansf. on/from *Jasminum* sp., Insein, leg. E.J. Butler, 24-xi-1912 (IMI 58917).
4. *Pleospora* sp. on/from *Typha angustata* (?*angustifolia*), Madaya, leg. U Thet Su, 18-xi-1928 (IMI 79770). Cf. *Pleospora herbarum* (=

*Pleospora typhae*), *Pleospora typharum* and *Pyrenophora typhicola* (*typhaecola*) (= *Pleospora typhicola*, anamorph ?*Phoma typharum*) on/from *Typha* spp.

#### 5. Eurotiomycetes

1. *Penicillium ochrosalmoneum* Udagawa isolated from milled grain of *Oryza sativa*, Burma, leg. ?S. Udagawa, 00-i-1957 (IMI 78258).

#### 6. Hyphomycetes

1. *Distocercospora pachyderma* (Syd. & P. Syd.) N. Pons & B. Sutton (= *Cercospora pachyderma* Syd. & P. Syd.) on/from *Dioscorea* sp., Myaungmya, leg. U Thet Su, 8-xii-1928 (IMI 79774). Note: *C. carbonacea* Miles was recorded on *Dioscorea* sp. in Burma in 1974 vide (IMI 188961). *C. carbonacea* and *C. pachyderma* were reported from the same host plant sp., *D. alata*, in Puerto Rico and Philippines, respectively. Cf. Anamorphic *Mycosphaerella dioscoreae* (Pass.) Tomilin.

#### 7. Leotiomycetes

1. *Lophodermium vagulum* M. Wilson & N.F. Robertson on/from *Rhododendron* spp. (Minter 1984) in Northern Burma especially Kachin State bordering China and India.

#### 8. Oomycetes

1. *Phytophthora botryosa* Chee on/from *Hevea brasiliensis*, Tenasserim Division, leg. P.D. Turner, 00-vi-1981 (IMI 261651, 261902).
2. *Phytophthora meadii* McRae on/from *Hevea brasiliensis*, Tenasserim Division, 1979 (IMI 240171-72, 240175-76, 240183-84).
3. *Phytophthora* sp. on/from *Hevea brasiliensis*, Tenasserim Division, 1979 (IMI 240173-74, 240177-82).

#### 9. Pucciniomycetes

1. *Phakopsora gossypii* (Lagerh.) Hirats. (= *Cerotelium gossypii*, *Kuehneola gossypii*, *Uredo gossypii*) Burma, 0-00-1924 (IMI 67644), (Punithalingam 1968). Note: reported as *Cerotelium desmium* = *Kuehneola desmium* from cotton plant (Rhind & Seth 1945, Thaug 2005).
2. *Puccinia fragosoana* Beltrán on/from *Imperata cylindrica*, Mandalay, leg. Maung Mya Thaug, 1-vi-1972 [K{M}116387 on 21-vii-2003].

3. *Ravenelia acaciae-concinnae* Mundk. & Thirum. on *Acacia concinna* and ?*Acacia sinuata* (Cannon 2008a). Note: named based on anamorph (II), and not on teleomorph (III). Cf. *R. burmanica* on *Acacia concinna*.
4. *Ravenelia sessilis* Berk. on *Albizia kalkora* (? = *Acacia kalkora* G. Don), *Albizia (Acacia) lebbeck*, *Albizia lucidior* (= *Albizia lucida*), *Albizia (Acacia) odoratissima*, *Albizia procera* (Cannon 2008b) and *Gleditsia sinensis*.

#### 10. Sordariomycetes

1. *Microascus trigonosporus* var. *trigonosporus* C.W. Emmons & B.O. Dodge isolated from milled grain of *Oryza sativa*, Burma, leg. S. Udagawa, s.d. (IMI 86911-12).
2. *Trichoderma viride* Pers. on/from *Rhus paniculata*, Burma, 00-xi-1987 (IMI 291088).

#### 11. Ustilaginomycetes

1. *Cintractia peribebuyensis* (Speg.) Sawada on inflorescences of *Cyperus* spp. (Mordue 1995). Note: may be found on *Fimbristylis* spp., also.
2. *Sporisorium polytocae-digitatae* Vánky as “*Ustilago?* on grass” on inflorescence of *Polytocha digitata*, Kwetnapha Village, near Mandalay, leg. Maung Mya Thaug, 1-xi-1972 (IMI 171326, holotype).

#### 12. Zygomycetes

1. *Basidiobolus* sp. from *Homo sapiens*, Mandalay General Hospital, leg. R. Dev, 31-v-1963 (IMI 103541).
2. *Syncephalastrum racemosum* Cohn ex J. Schröt. on/from *Oryza sativa*, leg. D. Rhind, 00-i-1928 (IMI 21180).

#### 13. Incertae sedis [mitotic Ascomycete (Pezizomycotina) - Microthyriaceae/Pelasteraceae]

1. *Elachopeltis* on/from *Cinnamomum tamala*, Karen State, leg. S.B. Tun, 15-v-1985 (IMI 295813). Cf. *E. cinnamomi* Bat. & A.F. Vital on *C. zeylanicum* from Brazil. Note: these two host plant spp. often have same Burmese vernacular name depending upon localities in the country, but *C. tamala* is most likely to be the host in this case although the other cannot be ruled out entirely. Ostiolate, dimidiate, pycnidiostroma on leaves producing within hyaline, non-septate, mitospores with large vacuoles projecting illusion of septation. Holomorph = ?*Aphanopeltis* as in *Elachopeltis phoebes* Syd.

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