

Uploaded — April 2012

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Checklist of endophytic fungi from tropical regions

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ABSTRACT — Endophytes have great ecological and biotechnological importance and occur in a wide variety of plant families. This paper lists the genera and species of endophytic fungi from tropical regions with their hosts and references.

KEY WORDS — fungi, host, tropical plants

Introduction

Studies on the fungal endophytes have intensified since 1980, with most works concentrated in temperate regions (Petrini et al. 1982; Latch et al. 1984; Petrini 1984; White Jr. & Cole 1985; Petrini & Fisher 1986; Fisher et al. 1986; Fisher & Petrini 1987; Rodrigues & Samuels 1990; Fisher et al. 1994). In tropical environments, studies on endophytic fungi are scarce (Rodrigues & Petrini 1997; Azevedo et al. 2000; Suryanaraynan & Kumaresan 2000; Kumaresan & Suryanaraynan 2001). On the other hand considering that tropical forests have a wide diversity of plant species, various types of vegetation and large amounts of epiphytic fungi and saprophytic species, endophytic fungi are expected to occur widely in this environment (Fisher et al. 1995; Rodrigues & Petrini 1997) This paper aims to present a list of genera and species of endophytic fungi and their host plant families as well as their references.

Materials & methods

The checklist was based on an intensive literature survey of fungal endophytes. Genera and species are listed alphabetically with extensive information and references hosts.

Results

Checklist for endophytics fungi species cited from tropics plants:

Acidomyces acidophilus (Sigler & J.W. Carmich.) Selbmann, de Hoog & De Leo

HOSTS: *Cannabaceae*, *Moraceae*, *Oleacea*.

REFERENCES: Freire & Bezerra 2001; Novas & Camaran 2008, as *Scytalidium acidophilum* Sigler & J.W. Carmich.

Acremonium pteridii W. Gams & J.C. Frankland

HOST: *Bromeliaceae*.

REFERENCE: Petrini & Dreyfuss 1981.

Acrodictys elaeidicola M.B. Ellis

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues 1991.

Acrostalagmus luteoalbus (Link) Zare, W. Gams & Schroers

HOST: *Malvaceae*.

REFERENCES: Rubini et al. 2005, as *Verticillium luteoalbum* (Link) Subram.

Albonectria rigidiuscula (Berk. & Broome) Rossman & Samuels

HOSTS: *Fabaceae* (= *Leguminosae*), *Sapotaceae*.

REFERENCES: Cannon & Simmons 2002; Lodge et al. 1996, as *Fusarium decemcellulare* Brick.

Alternaria alternata (Fr.) Keissl.

HOSTS: *Acanthaceae*, *Anacardiaceae*, *Asteraceae*, *Chenopodiaceae*, *Combretaceae*, *Convolvulaceae*, *Fabaceae*, *Poaceae*, *Rhizophoraceae*, *Rutaceae*, *Solanaceae*.

REFERENCES: Johnson et al. 1992; Norse 1992; Suryanarayanan & Kumaresan 2000; Suryanarayanan et al. 2000; Freire & Bezerra 2001; Kumaresan & Suryanarayanan 2001; Romero et al. 2001; Kumaresan et al. 2002; Kumaresan & Suryanarayanan 2002; Rodrigues & Menezes 2002.

Alternaria helianthi (Hansf.) Tubaki & Nishih.

HOST: *Asteraceae*.

REFERENCE: Romero et al. 2001.

Alternaria longipes (Ellis & Everh.) E.W. Mason

HOST: *Solanaceae*.

REFERENCE: Norse 1992.

Alternaria protenta E.G. Simmons

HOST: *Asteraceae*.

REFERENCE: Romero et al. 2001.

Alternaria tenuissima (Kunze) Wiltshire

HOST: *Amaranthaceae*.

REFERENCE: Blodgett et al. 2000.

Alternaria zinniae H. Pape

HOST: *Asteraceae*.

REFERENCE: Romero et al. 2001.

Arthrimum sacchari (Speg.) M.B. Ellis

HOST: *Sapotaceae*.

REFERENCE: Lodge et al. 1996.

Aureobasidium pullulans (de Bary) G. Arnaud

HOST: *Asteraceae* (= *Compositae*).

REFERENCES: Fisher et al. 1995; Freire & Bezerra 2001.

Beltrania rhombica Penz.

HOSTS: *Bignoniaceae*, *Fabaceae* (= *Leguminosae*), *Lecythidaceae*, *Meliaceae*,
Sapotaceae.

REFERENCE: Cannon & Simmons 2002.

Brachysporium nigrum (Link) S. Hughes

HOST: *Caryophyllaceae*.

REFERENCE: Beena et al. 2000.

Bipolaris papendorfii (Aa) Alcorn

HOST: *Fabaceae*.

REFERENCE: Rodrigues & Menezes 2002, as *Drechslera papendorfii* (Aa) M.B. Ellis.

Boeremia exigua var. *exigua* (Desm.) Aveskamp, Gruyter & Verkley

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Fisher et al. 1995, as *Phoma exigua* Desm.

Camarosporium palliatum Kohlm. & E. Kohlm.

HOST: *Chenopodiaceae*.

REFERENCE: Suryanarayanan & Kumaresan 2000.

Camarosporium propinquum (Sacc.) Sacc.

HOST: *Chenopodiaceae*.

REFERENCE: Suryanarayanan & Kumaresan 2000.

Candida tropicalis (Castell.) Berkhout

HOST: *Boraginaceae*.

REFERENCE: Rocha et al. 2009.

Chaetomium globosum Kunze

HOSTS: *Caryophyllaceae*, *Combretaceae*, *Convolvulaceae*, *Fabaceae*,
Rhizophoraceae, *Solanaceae*, *Verbenaceae*.

REFERENCES: Suryanarayanan et al. 1998; Beena et al. 2000; Kumaresan &
Suryanarayanan 2001; Kumaresan et al. 2002; Rodrigues & Menezes 2002;
Seena & Sridhar 2004.

Chaetomium sphaerale Chivers

HOST: *Sapotaceae*.

REFERENCE: Lodge et al. 1996.

Chaetosphaeria endophytica Petrini & Dreyfuss

HOSTS: *Araceae*, *Bromeliaceae*.

REFERENCE: Petrini & Dreyfuss 1981.

Chloridium preussii W. Gams & Hol.-Jech.

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues 1994.

Chloridium phaeosporum W. Gams & Hol.-Jech.

HOST: *Bromeliaceae*.

REFERENCE: Petrini & Dreyfuss 1981.

Cladosporium orchidis E.A. Ellis & M.B. Ellis

HOST: *Fabaceae*.

REFERENCE: Rodrigues & Menezes 2002.

Cladosporium oxysporum Berk. & M.A. Curtis

HOSTS: *Asteraceae* (= *Compositae*), *Fabaceae*, *Musaceae*, *Solanaceae*.

REFERENCES: Ribeiro & Bolkan 1981a; Ribeiro & Bolkan 1981b; Fisher et al.
1995; Rodrigues & Menezes 2002.

Cladosporium tenuissimum Cooke

HOSTS: *Asteraceae* (= *Compositae*), *Myrtaceae*.

REFERENCES: Fisher et al. 1993; Fisher et al. 1995.

Clonostachys rosea (Link) Schroers, Samuels, Seifert & W. Gams

HOST: *Orchidiaceae*.

REFERENCE: Petrini & Dreyfuss 1981, as *Gliocladium roseum* Bainier.

Clonostachys rosea* f. *catenulate (J.C. Gilman & E.V. Abbott) Schroers

HOST: *Malvaceae*.

REFERENCE: Rubini et al. 2005, as *Gliocladium catenulatum* J.C. Gilman & E.V. Abbott.

Cochliobolus australiensis (Tsuda & Ueyama) Alcorn

HOST: *Fabaceae*.

REFERENCE: Rodrigues & Menezes 2002, as *Helminthosporium australiense* Bugnic.

Cochliobolus geniculatus R.R. Nelson

HOST: *Poaceae*.

REFERENCE: Von Mühlen & Silva 2005, as *Curvularia geniculata* (Tracy & Earle) Boedijn.

Cochliobolus hawaiiensis Alcorn

HOSTS: *Convolvulaceae*, *Loranthaceae*, *Rhizophoraceae*.

REFERENCES: Suryanarayanan et al. 2000; Kumaresan et al. 2002, as *Drechslera hawaiiensis* Bugnic. ex Subram. & B.L. Jain.

Cochliobolus lunatus R.R. Nelson & F.A. Haasis

HOSTS: *Combretaceae*, *Convolvulaceae*, *Fabaceae*, *Rhizophoraceae*, *Verbenaceae*.

REFERENCES: Suryanarayanan et al. 2000; Freire & Bezerra 2001; Kumaresan & Suryanarayanan 2001; Kumaresan & Suryanarayanan 2002; Kumaresan et al. 2002; Rodrigues & Menezes 2002, as *Curvularia lunata* (Wakker) Boedijn.

HOST: *Asteraceae*.

REFERENCE: Gallo et al. 2007, as *Curvularia lunata* var. *aeria* (Bat., J.A. Lima & C.T. Vasconc.) M.B. Ellis.

Cochliobolus tuberculatus Sivan.

HOST: *Loranthaceae*.

REFERENCES: Suryanarayanan et al. 2000; Kumaresan et al. 2002, as *Curvularia tuberculata* B.L. Jain.

Colletotrichum acutatum J.H. Simmonds

HOST: *Celastraceae*.

REFERENCE: Cannon & Simmons 2002.

Colletotrichum capsici (Syd. & P. Syd.) E.J. Butler & Bisby

HOST: *Asteraceae* (= *Compositae*), *Solanaceae*.

REFERENCE: Norse 1992; Fisher et al. 1995; Freire & Bezerra 2001.

Colletotrichum crassipes (Speg.) Arx

HOST: *Sapotaceae*, *Orchidaceae*.

REFERENCES: Bermudes & Benzing 1989; Richardson & Currah 1995; Lodge et al. 1996; Bayman et al. 1997; Bayman et al. 1998.

Colletotrichum dematium (Pers.) Grove

HOST: *Fabaceae* (= *Leguminosae*).

REFERENCE: Pereira et al. 1993.

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc.

HOSTS: *Anacardiaceae*, *Araceae*, *Arecaceae* (= *Palmae*), *Bromeliaceae*, *Celastraceae*, *Combretaceae*, *Convolvulaceae*, *Fabaceae* (= *Leguminosae*), *Lauraceae*, *Malvaceae*, *Meliaceae*, *Musaceae*, *Orchidaceae*, *Poaceae*, *Rhizophoraceae*, *Rutaceae*, *Sapotaceae*, *Solanaceae*.

REFERENCES: Petrini & Dreyfuss 1981; Johnson et al. 1992; Rodrigues 1994; Rodrigues & Dias-Filho 1996; Rodrigues & Samuels 1999; Suryanarayanan et al. 2000; Araújo et al. 2001; Freire & Bezerra 2001; Kumaresan & Suryanarayanan 2001; Photita et al. 2001; Cannon & Simmons 2002; Rodrigues & Menezes 2002; Durán et al. 2005; Rubini et al. 2005.

Colletotrichum orbiculare (Berk. & Mont.) Arx

HOSTS: *Celastraceae*, *Fabaceae* (= *Leguminosae*), *Meliaceae*, *Sapotaceae*.

REFERENCE: Cannon & Simmons 2002.

Colletotrichum musae (Berk. & M.A. Curtis) Arx

HOST: *Musaceae*.

REFERENCE: Photita et al. 2001.

Colletotrichum truncatum (Schwein.) Andrus & W.D. Moore

HOST: *Convolvulaceae*.

REFERENCE: Suryanarayanan et al. 2000.

Coniochaeta tetraspora Cain

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Fisher et al. 1995.

Corynespora cassiicola (Berk. & M.A. Curtis) C.T. Wei

HOST: *Malpigiaceae*.

REFERENCE: Freire & Bezerra 2001.

Curvularia senegalensis (Speg.) Subram.

HOST: *Fabaceae*.

REFERENCE: Freire & Bezerra 2001; Rodrigues & Menezes 2002.

Cytosphaera mangiferae Died.

HOST: *Anacardiaceae*.

REFERENCE: Johnson et al. 1992.

Cytospora eucalypticola Van der Westh.

HOST: *Myrtaceae*.

REFERENCE: Fisher et al. 1993.

Daldinia eschscholzii (Ehrenb.) Rehm

HOSTS: *Arecaceae* (= *Palmae*), *Lamiaceae*.

REFERENCE: Rodrigues 1994.

Deightoniella torulosa (Syd.) M.B. Ellis

HOST: *Musaceae*.

REFERENCE: Photita et al. 2001.

Diaporthe helianthi Munt.-Cvetk., Mihaljč. & M. Petrov

HOST: *Malvaceae*.

REFERENCE: Rubini et al. 2005.

Diaporthe phaseolorum (Cke. & Ell) Sacc.

HOST: *Malvaceae*.

REFERENCE: Rubini et al. 1994.

Dictyochaeta triseptata (Matsush.) R.F. Castañeda

HOST: *Fabaceae* (= *Leguminosae*).

REFERENCE: Cannon & Simmons 2002.

Dothiorella aromatica (Sacc.) Petr. & Syd.

HOST: *Anacardiaceae*.

REFERENCE: Johnson et al. 1992.

Dothiorella dominicana Petr. & Cif.

HOST: *Anacardiaceae*.

REFERENCE: Johnson et al. 1992.

Drechslera ellisii Danquah

HOSTS: *Rutaceae*, *Fabaceae*.

REFERENCE: Rodrigues & Menezes 2002.

Epicoccum nigrum Link

HOST: *Arecaceae*.

REFERENCE: Almeida et al. 2005.

Fusarium anthophilum (A. Braun) Wollenw.

HOST: *Fabaceae*.

REFERENCE: Rodrigues & Menezes 2002.

Fusarium aquaeductuum (Rabenh. & Radlk.) Lagerh. & Rabenh.

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues & Samuels 1990.

Fusarium avenaceum (Fr.) Sacc.

HOSTS: *Asteraceae* (= *Compositae*), *Sapotaceae*.

REFERENCES: Fisher et al. 1995; Lodge et al. 1996.

Fusarium bulbicola Nirenberg & O'Donnell

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues 1994, as *Fusarium sacchari* var. *elongatum* Nirenberg

Fusarium chlamydosporum Wollenw. & Reinking

HOST: *Malvaceae*.

REFERENCE: Rubini et al. 2005.

Fusarium chlamydosporum var. *chlamydosporum* Wollenw. & Reinking

HOST: *Malvaceae*.

REFERENCE: Rubini et al. 2005, as *Pseudofusarium purpureum* Matsush.

Fusarium equiseti (Corda) Sacc.

HOSTS: *Fabaceae*, *Malvaceae*.

REFERENCE: Rodrigues & menezes 2002.

Fusarium incarnatum (Desm.) Sacc.

HOST: *Fabaceae*.

REFERENCE: Rodrigues & Menezes 2002, as *Fusarium semitectum* Berk. & Ravenel.

Fusarium moniliforme J. Sheld.

HOSTS: *Poaceae*, *Fabaceae*.

REFERENCES: Rodrigues & Menezes 2002; Von Müller & Silva 2005.

Fusarium oxysporum E.F. Sm. & Swingle

HOSTS: *Arecaceae*, *Asteraceae* (= *Palmae*), *Fabaceae*, *Malvaceae*, *Meliaceae*.

REFERENCE: Rodrigues 1994; Rodrigues & Menezes 2002; Rubini et al. 2005; Almeida et al. 2005.

Fusarium polyphialidicum Marasas, P.E. Nelson, Toussoun & P.S. van Wyk

HOST: *Malvaceae*.

REFERENCE: Rubini et al. 2005.

Fusarium proliferatum (Matsush.) Nirenberg

HOST: *Arecaceae*.

REFERENCE: Almeida et al. 2005.

Fusarium bulbicola Nirenberg & O'Donnell

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues 1994, as *Fusarium sacchari* var. *elongatum* Nirenberg

Fusarium semitectum var. *majus* Wollenw.

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues 1994.

Fusarium solani (Mart.) Sacc.

HOSTS: *Arecaceae* (= *Palmae*), *Fabaceae*, *Poaceae*.

REFERENCES: Rodrigues & Samuels 1990; Lodge et al. 1996; Freire & Bezerra 2001; Rodrigues & Menezes 2002; Von Mühlen & Silva 2005.

Fusarium sporotrichioides Sherb.

HOST: *Fabaceae*.

REFERENCE: Rodrigues & Menezes 2002.

Fusarium verticillioides (Sacc.) Nirenberg

HOSTS: *Arecaceae* (= *Palmae*), *Brassicaceae*.

REFERENCE: Rodrigues 1994.

Fusicladium britannicum (M.B. Ellis) U. Braun & K. Schub.

HOST: *Fabaceae*.

REFERENCE: Rodrigues & Menezes 2002, as *Cladosporium britannicum* M.B. Ellis.

Gibberella fujikuroi (Sawada) Wollenw.

HOST: *Malvaceae*.

REFERENCE: Rubini et al. 2005.

Gibberella baccata (Wallr.) Sacc.

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Fisher et al. 1995, as *Fusarium lateritium* Nees.

Gibberella moniliformis Wineland

HOST: *Malvaceae*.

REFERENCE: Rubini et al. 2005.

Gibberella zeae (Schwein.) Petch

HOST: *Malvaceae*.

REFERENCE: Rubini et al. 2005.

Glomerella cingulata (Stoneman) Spauld. & H. Schrenk

HOSTS: *Apiaceae*, *Araceae*, *Bromeliaceae*, *Fabaceae* (= *Leguminosae*),
Malvaceae, *Orchidaceae*, *Sapotaceae*.

REFERENCES: Petrini & Dreyfuss 1981; Pereira et al. 1993; Lodge et al. 1996;
Bayman et al. 1997.

Guignardia citricarpa Kiely

HOSTS: *Anacardiaceae*, *Myrtaceae*, *Rutaceae*.

REFERENCES: Araújo et al. 2001; Durán et al. 2005; Wickert et al. 2009.

Guignardia cocoicola Punith.

HOST: *Musaceae*.

REFERENCE: Photita et al. 2001.

Guignardia mangiferae A.J. Roy

HOST: *Orchidaceae*.

REFERENCE: Pereira & Dreyfuss 1981, as *Guignardia endophyllicola* Okane,
Nakagiri & Tad. Ito.

HOSTS: *Anacardiaceae*, *Apiaceae*, *Myrtaceae*.

REFERENCE: Wickert et al. 2009.

Haematonectria haematococca (Berk. & Broome) Samuels & Rossman

HOST: *Bignoniaceae*.

REFERENCE: Cannon & Simmons 2002.

Haematonectria haematococca (Berk. & Broome) Samuels & Rossman

HOSTS: *Orchidaceae*, *Malvaceae*.

REFERENCES: Bermudes & Benzing 1989; Richardson & Currah 1995; Bayman et al. 1997; Rubini et al. 2005, as *Nectria haematococca* Berk. & Broome.

Haplotrichum minutissimum Novas & Camarán

HOSTS: *Cannabaceae*, *Moraceae*, *Oleaceae*.

REFERENCE: Novas & Camarán 2008.

Helminthosporium chlorophorae M.B. Ellis

HOST: *Arecaceae* (= *Palmae*), *Musaceae*.

REFERENCE: Lodge et al. 1996.

Hypoxylon stygium (Lév.) Sacc.

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Rodrigues 1994.

Idriella amazonica K.F. Rodrigues & Samuels

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Rodrigues 1994.

Idriella asaicola K.F. Rodrigues & Samuels

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Rodrigues 1994.

Idriella euterpes K.F. Rodrigues & Samuels

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Rodrigues 1994.

Idriella licualae K.F. Rodrigues & Samuels

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Rodrigues 1994.

Ilyonectria radiciala (Gerlach & L. Nilsson) Chaverri & C. Salgado

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Fisher et al. 1995, as *Cylindrocarpon destructans* (Zinssm.) Scholten.

Kabatiella caulivora (Kirchn.) Karak.

HOST: *Araceae*.

REFERENCE: Petrini & Dreyfuss 1981, as *Aureobasidium caulivorum* (Kirchn.) W.B. Cooke.

Khuskia oryzae H.J. Huds.

HOST: *Sapotaceae*.

REFERENCE: Lodge et al. 1996.

HOSTS: *Asteraceae* (= *Compositae*), *Asteraceae*, *Brassicaceae*, *Fabaceae* (= *Leguminosae*), *Musaceae*, *Myrtaceae*.

REFERENCES: Fisher et al. 1993; Pereira et al. 1993; Fisher et al. 1995; Freire & Bezerra 2001; Photita et al. 2001, as *Nigrospora oryzae* (Berk. & Broome) Petch.

HOSTS: *Arecaceae* (= *Palmae*), *Fabaceae*, *Fabaceae* (= *Leguminosae*), *Lamiaceae*.

REFERENCES: Rodrigues 1994; Cannon & Simmons 2002; Rodrigues & Menezes 2002, as *Nigrospora sphaerica* (Sacc.) E.W. Mason.

Kluyveromyces marxianus (E.C. Hansen) Van der Walt

HOST: *Boraginaceae*.

REFERENCE: Rocha et al. 2009, as *Candida pseudotropicalis* (Castell.) Basgal.

Kretzschmaria deusta (Hoffm.) P.M.D. Martin

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues 1994, as *Ustulina deusta* (Hoffm.).

Lunulospora curvula Ingold

HOSTS: *Euphorbiaceae*, *Marattiaceae*, *Rubiaceae*, *Thelypteridaceae*.

REFERENCE: Ravijara et al. 1996.

Lasiodiplodia theobromae (Pat.) Griffon & Maubl.

HOSTS: *Anacardiaceae*, *Araceae*, *Arecaceae* (= *Palmae*), *Bignoniaceae*, *Malvaceae*, *Orchidaceae*.

REFERENCES: Bermudes & Benzing 1989; Johnson et al. 1992; Rodrigues 1994; Richardson & Currah 1995; Bayman et al. 1997; Freire & Bezerra 2001; Cannon & Simmons 2002; Rubini et al. 2005.

Leiosphaerella cocöes (Petch) Samuels & Rossman

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues 1994.

Leptosphaeria coniothyrium (Fuckel) Sacc.

HOST: *Sapotaceae*.

REFERENCE: Lodge et al. 1996, as *Coniothyrium fuckelii* Sacc.

Letendraeopsis palmarum K.F. Rodrigues & Samuels

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues 1994.

Macrophomina phaseolina (Tassi) Goid.

HOST: *Fabaceae*.

REFERENCE: Rodrigues & Menezes 2002, as *Rhizoctonia bataticola* (Taubenh.)

E.J. Butler.

Malbranchea circinata Sigler & J.W. Carmich.

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Fisher et al. 1995.

Melanospora zamiae Corda

HOST: *Asteraceae*

REFERENCE: Beena et al. 2000.

Microascus cinereus Curzi

HOST: *Orchidiaceae*.

REFERENCE: Petrini & Dreyfuss 1981.

Minimidochium setosum B. Sutton

HOSTS: *Asteraceae*, *Caryophyllaceae*.

REFERENCE: Beena et al. 2000.

Monodictys levis (Wiltshire) S. Hughes

HOST: *Caryophyllaceae*.

REFERENCE: Beena et al. 2000.

Mucor racemosus Bull.

HOST: *Poaceae*.

REFERENCE: Von Mühlen & Silva 2005.

Mycocentrospora acerina (R. Hartig) Deighton

HOST: *Avicenniaceae*.

REFERENCE: Ananda & Sridhar 2002.

Nectria haematococca Berk. & Broome

HOSTS: *Orchidaceae*, *Malvaceae*.

REFERENCES: Bermudes & Benzing 1989; Richardson & Currah 1995; Bayman et al. 1997; Rubini et al. 2005.

Nemania bipapillata (Berk. & M.A. Curtis) Pouzar

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Fisher et al. 1995, as *Hypoxyton bipapillatum* Berk. & M.A. Curtis.

Nemania serpens (Pers.) Gray

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues & Samuels 1990, as *Geniculosporium serpens* Chesters & Greenh.

Nemania serpens var. *serpens* (Pers.) Gray

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Rodrigues 1994, as *Hypoxyton serpens* (Pers.) Fr.

Neofusicoccum mangiferae (Syd. & P. Syd.) Crous, Slippers & A.J.L. Phillips

HOST: *Anacardiaceae*.

REFERENCE: Johnson et al. 1992, as *Dothiorella mangiferae* Syd. & P. Syd.

Nodulisporium anamorph of ***Hypoxyton fuscum*** (Pers.) Fr.

HOST: *Bromeliaceae*.

REFERENCE: Petrini & Dreyfuss 1981.

Nodulisporium anamorph of ***Hypoxyton fragiforme*** (Pers.) J. Kickx f.

HOSTS: *Araceae*, *Bromeliaceae*, *Orchidaceae*.

REFERENCE: Petrini & Dreyfuss 1981.

Nodulisporium gregarium (Berk. & M.A. Curtis) J.A. Mey.

HOSTS: *Bromeliaceae*, *Orchidaceae*.

REFERENCE: Petrini & Dreyfuss 1981.

Ochrocladosporium elatum (Harz) Crous & U. Braun

HOSTS: *Combretaceae*, *Fabaceae*.

REFERENCE: Rodrigues & Menezes 2002, as *Cladosporium elatum* (Harz) Nannf.

Ophiocordyceps sobolifera (Hill ex Watson) G.H. Sung, J.M. Sung, Hywel-Jones & Spatafora

HOST: *Malvaceae*.

REFERENCE: Rubini et al. 2005, as *Cordyceps sobolifera* (Hill ex Watson) Berk. & Broome.

Oxydothis poliothea Syd.

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues 1994.

Periconia anamorph of *Didymosphaeria igniaria* C. Booth

HOSTS: *Asteraceae* (= *Compositae*), *Fabaceae* (= *Leguminosae*).

REFERENCE: Pereira et al. 1993; Fisher et al. 1995.

Periconia digitata (Cooke) Sacc.

HOSTS: *Asteraceae* (= *Compositae*), *Musaceae*.

REFERENCES: Fisher et al. 1995; Photita et al. 2001.

Periconia hispidula (Pers.) E.W. Mason & M.B. Ellis

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Fisher et al. 1995.

Periconia prolifica Anastasiou

HOSTS: *Caryophyllaceae*, *Convolvulaceae*.

REFERENCE: Beena et al. 2000.

Pestalotiopsis adusta (Ellis & Everh.) Steyaert

HOST: *Araceae*.

REFERENCE: Petrini & Dreyfuss 1981, as *Pestalotia adusta* Ellis & Everh.

Pestalotiopsis caudata (Syd.) B. Sutton

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Fisher et al. 1995.

Pestalotiopsis guepinii (Desm.) Steyaert

HOSTS: *Anacardiaceae*, *Myristicaceae*, *Fabaceae*.

REFERENCE: Rodrigues & Samuels 1999, Rodrigues & Menezes 2002; Freire & Bezerra 2001.

Pestalotiopsis microspora (Speg.) Bat. & Peres

HOST: *Malvaceae*.

REFERENCE: Rubini et al. 2005.

Pestalotiopsis palmarum (Cooke) Steyaert

HOST: *Arecaceae* (= *Palmae*).

REFERENCES: Rodrigues 1994; Mariano et al. 1997; Fröhlich et al. 2000.

Pestalotiopsis versicolor (Speg.) Steyaert

HOSTS: *Meliaceae*, *Myrtaceae*, *Sapotaceae*.

REFERENCES: Lodge et al. 1996; Fisher et al. 1993.

Petriella sordida (Zukal) G.L. Barron & J.C. Gilman

HOSTS: *Caryophyllaceae*, *Convolvulaceae*.

REFERENCE: Beena et al. 2000.

Phaeotrichoconis crotalariae (M.A. Salam & P.N. Rao) Subram.

HOST: *Arecaceae*.

REFERENCE: Freire & Bezerra 2001.

Phoma subglomerata Boerema, Gruyter & Noordel.

HOST: *Asteraceae*.

REFERENCE: Romero et al. 2001.

Phoma tropica R. Schneid. & Boerema

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Fisher et al 1995.

Phomatospora berkeleyi Sacc.

HOST: *Araceae*.

REFERENCE: Petrini & Dreyfuss 1981.

Phomopsis anacardii Early & Punith.

HOST: *Anacardiaceae*.

REFERENCE: Freire & Bezerra 2001.

Phomopsis casuarinae (Tassi) Died.

HOST: *Casuarinaceae*.

REFERENCE: Bayman et al. 1998.

Phomopsis leptostromiformis (J.G. Kühn) Bubák

HOST: *Fabaceae*.

REFERENCE: Cockrum et al. 1994.

Phomopsis ligustri-vulgaris Petr.

HOSTS: *Cannabaceae*, *Moraceae*, *Oleaceae*.

REFERENCE: Novas & Camaran 2008.

Phomopsis mangiferae S. Ahmad

HOST: *Anacardiaceae*.

REFERENCE: Johnson et al. 1992.

Phomopsis manilkarae R.K. Rajak & A.A.K. Chatterjee

HOST: *Sapotaceae*.

REFERENCE: Lodge et al. 1996.

Phomopsis orchidophila E.K. Cash & A.M.J. Watson

HOSTS: *Araceae*, *Orchidaceae*.

REFERENCE: Petrini & Dreyfuss 1981.

Phyllosticta capitalensis Henn.

HOST: *Araceae*.

REFERENCE: Petrini & Dreyfuss 1981.

Phyllosticta colocasiicola Hohn.

HOSTS: *Araceae*, *Orchidaceae*.

REFERENCE: Petrini & Dreyfuss 1981.

Phyllosticta sapotae Sacc.

HOST: *Sapotaceae*.

REFERENCE: Lodge et al. 1996.

Piptarthron macrosporum (Durieu & Mont.) Hohn.

HOSTS: *Asteraceae* (= *Compositae*), *Myrtaceae*.

REFERENCES: Fisher et al. 1993; Fisher et al. 1995, as *Septoria macrospora*
Durieu & Mont.

Piricauda pelagica T. Johnson

HOST: *Caryophyllaceae*.

REFERENCE: Beena et al. 2000, as *Monodictys pelagica* (T. Johnson) E.B.G.
Jones.

Piriformospora indica Sav. Verma, Aj. Varma, Rexer, G. Kost & P. Franken

HOST: *Poaceae*.

REFERENCE: Waller et al. 2005.

Pleurotus ostreatus (Jacq.) P. Kumm.

HOST: *Malvaceae*.

REFERENCE: Rubini et al. 2005.

Porosphaerella borinquensis F.A. Fernández & Huhndorf

HOST: *Convolvulaceae*.

REFERENCE: Beena et al. 2000, as *Pseudobotrytis terrestris* (Timonin) Subram.

Preussia mediterranea Arenal, Platas & Peláez

HOST: *Cistaceae*.

REFERENCE: Arenal et al. 2007.

Pseudocercospora punicae (Henn.) Deighton

HOST: *Anacardiaceae*.

REFERENCE: Freire & Bezerra 2001.

Pseudocochliobolus pallescens Tsuda & Ueyama

HOSTS: *Araceae*, *Arecaceae* (= *Palmae*), *Combretaceae*, *Fabaceae*, *Poaceae*,
Rhizophoraceae, *Verbenaceae*.

REFERENCES: Petrini & Dreyfuss 1981; Rodrigues 1994; Rodrigues & Dias-Filho
1996; Kumaresan & Suryanarayanan 2001; Kumaresan & Suryanarayanan 2002;
Rodrigues & Menezes 2002, as *Curvularia pallescens* Boedijn.

Pyriculariopsis parasitica (Sacc. & Berl.) M.B. Ellis

HOST: *Musaceae*.

REFERENCE: Suryanarayanan et al. 2000.

Ramichloridium apiculatum (J.H. Mill., Giddens & A.A. Foster) de Hoog

HOST: *Orchidiaceae*.

REFERENCE: Petrini & Dreyfuss 1981.

Ramichloridium biverticillatum Arzanlou & Crous

HOST: *Musaceae*.

REFERENCE: Photita et al. 2001, as *Periconiella musae* Stahel ex M.B. Ellis.

Rhizopus stolonifer (Ehrenb.) Vuill.

HOSTS: *Anacardiaceae*, *Fabaceae*.

REFERENCE: Freire & Bezerra 2001; Rodrigues & Menezes 2002.

Rhizopycnis vagum D. F. Farr

HOST: *Malvaceae*.

REFERENCE: Rubini et al. 2005.

Sarea resinae (Fr.) Kuntze

HOSTS: *Cannabaceae*, *Moraceae*, *Oleaceae*.

REFERENCE: Novas & Camarán 2008, as *Pycnidiella resinae* (Ehrenb.) Höhn.

Schizophyllum commune Fr.

HOSTS: *Lamiaceae*, *Myrtaceae*.

REFERENCE: Fisher et al. 1993.

Scolecobasidium terreum E.V. Abbott

HOST: *Convolvulaceae*.

REFERENCE: Beena et al. 2000.

Scolicotrichum musae Zimm.

HOST: *Musaceae*.

REFERENCE: Photita et al. 2001, as *Cordana musae* (Zimm.) Höhn.

Septoria anacardii Freire

HOST: *Anacardiaceae*.

REFERENCE: Freire & Bezerra 2001.

Setosphaeria rostrata K.J. Leonard

HOSTS: *Combretaceae*, *Loranthaceae*.

REFERENCES: Kumaresan & Suryanarayanan 2001; Kumaresan et al. 2002, as *Drechslera halodes* (Drechsler) Subram. & B.L. Jain.

Sporormiella minima (Auersw.) S.I. Ahmed & Cain

HOSTS: *Acanthaceae*, *Aizoaceae*, *Asteraceae* (= *Compositae*), *Chenopodiaceae*, *Combretaceae*, *Convolvulaceae*, *Fabaceae* (= *Leguminosae*), *Euphorbiaceae*, *Loranthaceae*, *Rhizophoraceae*, *Verbenaceae*.

REFERENCES: Pereira et al. 1993; Fisher et al. 1995; Suryanarayanan et al. 1998; Suryanarayanan & Kumaresan 2000; Suryanarayanan et al. 2000; Freire & Bezerra 2001; Kumaresan & Suryanarayanan 2001; Kumaresan et al. 2002; Kumaresan & Suryanarayanan 2002.

HOST: *Asteraceae*.

REFERENCES: Freire & Bezerra 2001; Gallo et al. 2007, as *Preussia minima* (Auersw.) Arx.

***Stilbohypoxyton quisquiliarum* var. *quisquiliarum* (Mont.) J.D. Rogers & Y.M.**

Ju

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Rodrigues 1994, as *Hypoxyton quisquiliarum* (Mont.) Mont.

***Tetracladium furcatum* Descals**

HOST: *Marattiaceae*.

REFERENCE: Raviraja et al. 1996.

***Thanatephorus cucumeris* (A.B. Frank) Donk**

HOST: *Fabaceae*.

REFERENCE: Rodrigues & Menezes 2002, as *Rhizoctonia solani* J.G. Kühn.

***Thermomyces lanuginosus* Tsikl.**

HOSTS: *Cannabaceae*, *Moraceae*, *Oleaceae*.

REFERENCE: Novas & Camarán 2008.

***Torula caligans* (Bat. & H.P. Upadhyay) M.B. Ellis**

HOST: *Caryophyllaceae*.

REFERENCE: Beena et al. 2000.

***Torula herbarum* f. *quaternella* Sacc.**

HOST: *Euphorbiaceae*.

REFERENCE: Freire & Bezerra 2001.

***Triscelophorus acuminatus* Nawawi**

HOST: *Rhizophoraceae*.

REFERENCE: Ananda & Sridhar 2002.

***Trichoderma harzianum* Rifai**

HOSTS: *Asteraceae* (= *Compositae*); *Myrtaceae*.

REFERENCES: Fisher et al. 1993; Fisher et al. 1995.

***Trichoderma koningii* Oudem.**

HOST: *Sapotaceae*.

REFERENCE: Lodge et al. 1996.

***Trichoderma longibrachiatum* Rifai**

HOST: *Fabaceae*.

REFERENCE: Rodrigues & Menezes 2002.

Trichoderma viride Pers.

HOSTS: *Anacardiaceae*, *Fabaceae*, *Poaceae*, *Rutaceae*, *Solanaceae*.

REFERENCES: Ribeiro et al. 1982; Johnson et al. 1992; Rodrigues & Dias-Filho 1996; Rodrigues & Samuels 1999; Rodrigues & Menezes 2002.

Triscelophorus acuminatus Nawawi

HOSTS: *Rubiaceae*, *Marattiaceae*, *Thelypteridaceae*.

REFERENCE: Ravijara et al. 1996.

Triscelophorus konajensis K.R. Sridhar & Kaver.

HOSTS: *Anacardiaceae*, *Athyriaceae*, *Euphorbiaceae*, *Marattiaceae*, *Rubiaceae*, *Thelypteridaceae*.

REFERENCE: Ravijara et al. 1996.

Triscelophorus monosporus Ingold

HOSTS: *Athyriaceae*, *Marattiaceae*, *Rubiaceae*, *Thelypteridaceae*.

REFERENCE: Ravijara et al. 1996.

Truncatella angustata (Pers.) S. Hughes

HOST: *Asteraceae* (= *Compositae*).

REFERENCE: Fisher et al. 1995.

Verruculina enalia (Kohlm.) Kohlm. & Volkm.-Kohlm.

HOST: *Asteraceae*.

REFERENCE: Beena et al. 2000.

Verticillium lecanii (Zimm.) Viégas

HOST: *Araceae*.

REFERENCE: Pereira et al. 1993.

Wiesneriomyces laurinus (Tassi) P.M. Kirk

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues & Samuels 1999, as *Wiesneriomyces javanicus* Koord.

Xylaria allantoidea (Berk) Fr.

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues 1991; Rodrigues 1994.

Xylaria adscendens (Fr) Fr.

HOSTS: *Arecaceae* (= *Palmae*), *Sapotaceae*.

REFERENCES: Rodrigues 1994; Rodrigues 1995; Lodge et al. 1996.

Xylaria anisopleura (Mont.) Fr.

HOST: *Arecaceae* (= *Palmae*).

REFERENCES: Rodrigues 1991; Rodrigues 1994.

Xylaria arbuscula Sacc.

HOSTS: *Arecaceae* (= *Palmae*), *Meliaceae*, *Orchidaceae*.

REFERENCES: Rodrigues 1991; Bayman et al. 1997; Gamboa & Bayman 2001.

Xylaria castorea Berk.

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues 1994.

Xylaria coccophora Mont.

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues 1994.

Xylaria cubensis (Mont.) Fr.

HOSTS: *Anacardiaceae*, *Arecaceae* (= *Palmae*).

REFERENCES: Rodrigues & Samuels 1990; Rodrigues 1991; Rodrigues 1994;
Rodrigues & Dias-Filho 1996.

Xylaria curta Fr.

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues 1994.

Xylaria enteroleuca (Speg.) P.M.D. Martin

HOSTS: *Casuarinaceae*, *Sapotaceae*.

REFERENCE: Bayman et al. 1998.

Xylaria hypoxylon (L.) Grev.

HOST: *Orchidaceae*.

REFERENCE: Bayman et al. 1997.

Xylaria microceras (Mont.) Berk.

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues 1994.

Xylaria multiplex (Kunze.) Fr.

HOSTS: *Arecaceae* (= *Palmae*), *Sapotaceae*.

REFERENCES: Rodrigues 1991; Rodrigues 1994; Lodge et al. 1996.

Xylaria obovata (Berk.) Berk.

HOSTS: *Arecaceae* (= *Palmae*), *Casuarinaceae*, *Sapotaceae*.

REFERENCES: Rodrigues 1994; Bayman et al. 1998.

Xylaria palmicola G. Winter

HOST: *Arecaceae* (= *Palmae*).

REFERENCE: Rodrigues 1994.

Xylaria telfairii (Berk.) Sacc.

HOST: *Arecaceae* (= *Palmae*).

REFERENCES: Rodrigues 1994; Rodrigues 1991.

Zalerion maritimum (Linder) Anastasiou

HOSTS: *Caryophyllaceae*, *Convolvulaceae*.

REFERENCE: Beena et al. 2000.

Zygosporium echinosporum Bunting & E. W. Mason

HOST: *Sapotaceae*.

REFERENCE: Lodge et al. 1996.

Zygosporium gibbum (Sacc., Rousseau & Bommer) S. Hughes

HOST: *Fabaceae*.

REFERENCE: Rodrigues & Menezes 2002.

Literature cited

- Almeida CV, Yara R, Almeida M. 2005. Fungos endofíticos isolados de ápices caulinares de pupunheira cultivada in vivo e in vitro. *Pesq Agropec Bras.* 40(5): 467-470. <http://dx.doi.org/10.1590/S0100-204X2005000500007>
- Ananda K, Shidhar KR. 2002. Diversity of endophytic fungi in the roots of mangrove species on the west coast of India. *Can J Microbiol.* 48(10): 871-878. <http://dx.doi.org/10.1139/w02-080>
- Araújo WL, Saridakis HO, Barroso PAV, Aguilar-Vildoso CI, Azevedo JL. 2001. Variability and interactions between endophytic bacteria and fungi host from leaf tissues of citrus rootstocks. *Can J Microbiol.* 47: 229-236. <http://dx.doi.org/10.1139/cjm-47-3-229>
- Arenal F, Platas G, Peláez F. 2007. A new endophytic species of *Pressuria* (*Sporormiaceae*) inferred from morphological observations and molecular phylogenetic analysis. *Fungal Diversity* 25:1-17.
- Azevedo JL, Maccheroni Júnior W, Pereira JO, Araújo WL. 2000. Endophytic microorganisms: a review on insect control and recent advances on tropical plants. *Eletr J Biotecnol.* 3(1): 40-65.

- Bayaman P, Angulosandoval P, Baezortiz Z, Lodge DJ. 1998. Distribution and Dispersal of *Xylaria* endophytes in two Tree Species in Puerto Rico. *Mycol Res.* 102: 944-948. doi:10.1017/S095375629700590X
- Bayaman P, Lebrón L, Tremblay R, Lodge DJ. 1997. Fungal Endophytes in Roots and leaves of *Lepanthes* (*Orchidaceae*). *New Phytol.* 135: 143-149. <http://dx.doi.org/10.1046/j.1469-8137.1997.00618.x>
- Beena KR, Ananda K, Shidhar KR. 2000. Fungal endophytes of three sand dune plant species of West coast of India. *Sydowia* 1(52): 1-9.
- Bermudes D, Benzing DH. 1989. Fungi in Neotropical Epiphyte Roots. *Biosystems* 23(1): 65-73. [http://dx.doi.org/10.1016/0303-2647\(89\)90009-9](http://dx.doi.org/10.1016/0303-2647(89)90009-9)
- Blodgett JT, Swart WJ, Louw SM, Weeks WJ. 2000. Species composition of endophytic fungi in *Amaranthus hybridus* leaves, petioles, stems, and roots. *Mycologia* 92(5): 853-859. <http://dx.doi.org/10.2307/3761581>
- Cannon PF, Simmons CM. 2002. Diversity and host preference of leaf endophytic fungi in the Iwokrama Forest Reserve, Guyana. *Mycologia* 2(94): 210-220. <http://dx.doi.org/10.2307/3761797>
- Cockrum PA, Petterson DS, Edgar JA. 1994. Identification of Novel *Phomopsis* in Lupin Seed Extracts. 232-237, in: SM Colegate, PR Dorling (eds). *Plant Associated Toxins. Agricultural, Phytochemical and Ecological Aspects*. Wallingford: CAB International.
- Durán LE, Ploper D, Ramalho JC, Grandi RAP, Giancoli ACH, Azevedo JL. 2005. The foliar fungal endophytes of Citrus limon in Argentina. *Can J Bot.* 83(4): 350-353. <http://dx.doi.org/10.1139/b05-009>
- Fisher PJ, Anson AE & Petrini O. 1986. Fungal endophytes in *Ulex europaeus* and *Ulex gallii*. *T. Brit. Mycol Soc.* 86(1): 153-193. [http://dx.doi.org/10.1016/S0007-1536\(86\)80128-0](http://dx.doi.org/10.1016/S0007-1536(86)80128-0)
- Fisher, P.J., Petrini, O. 1987. Location of fungal endophytes in tissues of *Suaeda fruticosa*: a preliminary study. *T Mycol Soc Jpn.* 89(2): 246-249. [http://dx.doi.org/10.1016/S0007-1536\(87\)80161-4](http://dx.doi.org/10.1016/S0007-1536(87)80161-4)
- Fisher PJ, Petrini O, Sutton BC. 1993. A comparative study of fungal endophytes in leaves, xylem and bark of *Eucalyptus* in Australia and England. *Sydowia* 45(2): 338-345.
- Fisher PJ, Petrini O, Petrini LE & Sutton BC. 1994. Fungal endophytes from the leaves and twigs of *Quercus ilex* L. from England, Majorca and Switzerland. *New Phytol.* 127:133-137. <http://dx.doi.org/10.1111/j.1469-8137.1994.tb04267.x>
- Fisher PJ, Petrini LE, Sutton BC, Petrini O. 1995. A study of fungal endophytes in leaves, stems and roots of *Gynoxis oleifolia* Muchler (*Compositae*) from Ecuador. *Nova Hedwigia* 60(3-4):589-594.
- Freire FCO, Bezerra JL. 2001. Foliar endophytic fungi of Ceará State (Brazil): a preliminary study. *Summa Phytopathol.* 27(3): 304-308.
- Fröhlich J, Hyde KD, Petrini O. 2000. Endophytic fungi associated with palms. *Mycol Res.* 104(10): 1202-1212.
- Gamboa MA, Bayman, P. 2001. Communities of endophytic fungi in leaves of a tropical timber tree (*Guarea guidonia*: *Meliaceae*). *Biotropica* 33(2): 352-360. [http://dx.doi.org/10.1646/0006-3606\(2001\)033\[0352:COEFIL\]2.0.CO;2](http://dx.doi.org/10.1646/0006-3606(2001)033[0352:COEFIL]2.0.CO;2)
- Gallo MBC, Pupo MT, Bastos JL, Nunes AS, Cavalcanti BC, Moraes MO, Costa-Lotufo LV, Pessoa CO. Atividade citológica de extratos de fungos endofíticos isolados de *Smilax sonchifolius*. *Rev Bras Biociênc.* 5(2): 402-404, 2007.
- Johnson GI, Mead AJ, Cooke AW, Dean JR. 1992. Mango stem end rot pathogens – Fruit infection by endophytic colonisation of inflorescence and pedicel. *Annu Appl Biol.* 120:225-234. <http://dx.doi.org/10.1111/j.1744-7348.1992.tb03420.x>

- Kumaresan V, Suryanarayanan TS. 2001. Occurrence and distribution of endophytic fungi in a mangrove community. *Mycol Res.* 11(105):1388-1391. <http://dx.doi.org/10.1017/S0953756201004841>
- Kumaresan V, Suryanarayanan TS. 2002. Endophyte assemblages in young, mature and senescent leaves of *Rhizophora apiculata*: evidence for the role of endophytes in mangrove litter degradation. *Fungal Diversity* 9:81-91
- Kumaresan V, Suryanarayanan TS, Johnson JA. 2002. Ecology of mangrove endophytes. In: *Fungi of Marine Environments*. *Fungal Diversity* 7:145-166.
- Latch GCM, Christensen MJ & Samuels GJ. 1984. Five endophytes of *Lolium* and *Festuca* in New Zealand. *Mycotaxon* 20(2): 535-550.
- Lodge DJ, Fisher PJ, Sutton BC. 1996. Endophytic fungi of *Manilkara bidentata* leaves in Puerto Rico. *Mycologia* 5(88): 733-738. <http://dx.doi.org/10.2307/3760967>
- Mariano RLR, Lira RVF, Silveira EB, Menezes M. 1997. Levantamento de fungos endofíticos e epifíticos em folhas de coqueiro no nordeste do Brasil. I. Frequência da população fúngica e efeito da hospedeira. *Rev Agrotrop.* 9:127-134.
- Norse D. 1992. Fungi Host from surface sterilized Tobacco leaves. *Trans Br Mycol Soc.* 58:515-518. <http://dx.doi.org/10.2307/3760967>
- Novas MV, Carmarán CC. 2008. Studies on diversity of foliar fungal endophytes of naturalised trees from Argentina, with a description of *Haplotrichum minutissimum* sp. Nov. *Flora-Morphology, Distribution Functional Ecology of Plants* 203(7(1)): 610-616.
- Pereira JO, Azevedo JL, Petrini O. 1993. Brief Article: Endophytic fungi of *Stylosanthes*: A first report. *Mycologia* 85(3): 362-364. <http://dx.doi.org/10.2307/3760696>
- Petrini O, Dreyfuss M. 1981. Endophytische Pilze in *Epiphytischen Araceae, Bromeliaceae* und *Orchidaceae*. *Sydowia* 38: 216-234.
- Petrini O, Stone J & Carrol FE. 1982. Endophytic fungi in evergreen shrubs in western Oregon: A preliminary study. *Can J Bot.* 60: 789-796. <http://dx.doi.org/10.2307/3760696>
- Petrini O. 1984. Endophytic Fungi in British *Ericaceae*: A preliminary study. *Trans Brit Mycol Soc.* 83(3): 510-512. [http://dx.doi.org/10.1016/S0007-1536\(84\)80050-9](http://dx.doi.org/10.1016/S0007-1536(84)80050-9)
- Petrini O & Fisher PJ. 1986. Fungal endophytes in *Salicornia perennis*. *Trans Brit Mycol Soc.* 87(4): 647-651. [http://dx.doi.org/10.1016/S0007-1536\(86\)80109-7](http://dx.doi.org/10.1016/S0007-1536(86)80109-7)
- Photita W, Lumyong S, lumyong P, Hyde K. 2001. Endophytic fungi of wild banana (*Musa acuminata*) at Doi Suthep Pui National Park, Thailand. *Mycol Res.* 12(105):1508-1513. <http://dx.doi.org/10.1017/S0953756201004968>
- Ravijara NS, Sridhar KR, Barlocher F. 1996. Endophytic aquatic hyphomycetes of roots of plantation crops and ferns from India. *Sydowia* 1(48):152-160.
- Ribeiro WRC, Bolkan HA. 1981a. Micoflora de frutos de tomate comercializados no Distrito Federal. *Fitopatologia Brasileira* 6: 367-375.
- Ribeiro WRC, Bolkan HA. 1981b. Micoflora de frutos da bananeira comercializados no Distrito Federal. *Fitopatologia Brasileira* 6: 445-450.
- Ribeiro WRC, Bolkan HA, Dianese JC. 1982. Micoflora fúngica do pimentão. *Fitopatologia Brasileira* 7:527.
- Richardson K, Curah RS. 1995. The Fungal Community Associated with the Roots of Some Rainforest Epiphytes of Costa Rica. *Selbyana* 16: 49-73.
- Rocha R, Luz DE, Engels C, Pileggi SAV, Jaccourd Filho DS, Matiello RR, Pileggi M. 2009. Selection of endophytic fungi from comfrey (*Symphytum officinale* L.) for in vitro biological control of the phytopathogen *Sclerotinia sclerotiorum* (lib.). *Braz J Microbiol.* 40:73-78. <http://dx.doi.org/10.1590/S1517-83822009000100011>

- Rodrigues AAC, Menezes M. 2002. Detecção de fungos endofíticos em sementes de caupi provenientes de Serra Talhada e de Caruaru, Estado de Pernambuco. *Fitopatologia Brasileira* 27(5): 532-537. <http://dx.doi.org/10.1590/S0100-41582002000500016>
- Rodrigues KF. 1991. Fungos endofíticos em *Euterpe oleracea* Mart., com ênfase em *Xylariaceae*. *Boletim do Museu Paraense Emílio Goeldi, Botânica* 2(7): 429-439.
- Rodrigues KF. 1994. The foliar fungal endophytes of the amazonian palm *Euterpe oleracea*. *Mycologia* 3(86): 376-358. <http://dx.doi.org/10.2307/3760568>
- Rodrigues KF, Dias-Filho MD. 1996. Fungal endophytes in the tropical grasses *Brachiaria brizantha* cv. Marandu and *B. humidicola*. *Pesq Agropec Bras.* 31(12):905-909.
- Rodrigues KF, Petrini O. 1997. Biodiversity of endophytic fungi in tropical regions. In: *Biodiversity of Tropical Microfungi*, Hong Kong University Press, Hong Kong, p. 57-69.
- Rodrigues KF, Samuels GJ. 1990. Preliminary study of endophytic fungi in a tropical palm. *Mycol Res.* 6(94): 827-830. [http://dx.doi.org/10.1016/S0953-7562\(09\)81386-5](http://dx.doi.org/10.1016/S0953-7562(09)81386-5)
- Rodrigues KF, Samuels GJ. 1999. Fungal endophytes of *Spondias mombin* leaves in Brazil. *J Basic Microbiol.* 2(39):131-135. [http://dx.doi.org/10.1002/\(SICI\)1521-4028\(199905\)39:2<131::AID-JOBM131>3.0.CO;2-9](http://dx.doi.org/10.1002/(SICI)1521-4028(199905)39:2<131::AID-JOBM131>3.0.CO;2-9)
- Romero A, Carrión G, Rico-Gray V. 2001. Fungal latent pathogens and endophytes from leaves of *Parthenium hysterophorus* (Asteraceae). *Fungal Diversity* 7:81-87.
- Rubini MR, Silva-Ribeiro RT, Pomella AWV, Maki CS, Araújo WL, Santos DR, Azevedo JL. 2005. Diversity of endophytic fungal community of *Theobroma cacao* and biological control of *Crinipellis pernicioso*, causal agent of Witches Broom disease. *Int J Biol Sci.* 1(1): 24-33.
- Seena S, Sridahr KR. 2004. Endophytic fungal diversity of 2 sand dune wild legumes from the southwest coast of India. *Can J Microbiol.* 50(12): 1015-1021. <http://dx.doi.org/10.1139/w04-094>
- Silva M, Pereira OL. 2007. First report of *Guignardia endophyllicola* leaf blight on *Cymbidium* (Orchidaceae) in Brazil. *Australas Plant Dis Notes.* 2:31-32. <http://dx.doi.org/10.1071/DN07015>
- Suryanarayanan TS, Kumaresan V, Johnson JA. 1998. Foliar fungal endophytes from two species of the mangrove *Rhizophora*. *Can J Microbiol* 44:1003-1006. doi:10.1139/cjm-44-10-1003
- Suryanarayanan TS, Kumaresan V. 2000. Endophytic fungi of some halophytes from an estuarine mangrove forest. *Mycol Res.* 12(104): 1465-1467. <http://dx.doi.org/10.1017/S0953756200002859>
- Suryanarayanan TS, Senthilarasu G, Muruganandam V. 2000. Endophytic fungi from *Cuscuta reflexa* and its host plants. *Fungal Diversity* 4:117-123.
- Von Mühlen G, Silva ME. 2005. Ocorrência de fungos endofíticos em cana-de-açúcar (*Saccharum* sp.). *Acta Biol Leopold.* 27(3):183-186.
- Waller F, Achatz B, Baltruschat H, Fodor J, Becker K, Fischer M, Heier T, Huckelhoven R, Neumann C, von Wettstein D, Franken P, Kogel K. 2005. The Endophytic Fungus *Piriformospora indica* Reprograms Barley to Salt Stress Tolerance, Disease Resistance, and Higher Yield. *Proc Natl Acad Sci USA.* 102(38):13386-13391. <http://dx.doi.org/10.1073/pnas.0504423102>
- Wickert E, Goes A, Lemos EGM, Souza A, Silveira EL, Pereira FD, Rinaldo D. 2009. Relações filogenéticas e diversidade de isolados de *Guignardia* spp. oriundos de diferentes hospedeiros nas regiões ITS1-5, 8S-ITS2. *Rev Bras Frutic.* 31(2):360-380. <http://dx.doi.org/10.1590/S0100-29452009000200010>
- White Jr. JF & Cole GT. 1985. Endophyte – host associations in forage grasses.II. Taxonomic observations on the endophyte of *Festuca arundinacea*. *Mycologia* 77(3): 483-486. <http://dx.doi.org/10.2307/3793205>