

FUNGI FROM SHAHDOL REGION-II : NEW HOST RECORDS

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ABSTRACT

One hundred thirty two new hosts/substrates – fungal combinations from India are listed in this paper. These includes 73 and 59 new host-fungus combinations with 27 ascomycetes and 22 Deuteromycetes respectively.

Keywords : Ascomycetes, deuteromycetes, host, records.

During the course of mycofloristic studies on saprophytic fungi of tropical, moist and mixed forests of south Shahdol region several interesting fungi were collected. The materials were collected and maintained using standard techniques (Savil, 1962; Agarwal & Hasija, 1986). The paper reports one hundred thirty two hosts/substrates records which are new to India (Bilgrami *et al.* 1979, 81, 91 ; Sarbhoy *et al.*, 1986). The specimens have been deposited in the herbarium, Department of Biological Sciences, Rani Durgavati University Jabalpur (HDBJ).

Daldinia Concentrica (Bolt ex Fr.) Ces. & de Not.,

Indian J. Mycol. Pl. Pathol, 7 : 15 – 18, 1977.

On dead wood and bark of *Ipomea cornea* Linn., Oct. 1991, HDBJ 219; :
Artocarpus integrifolia Linn., Oct. 1991, HDBJ 227, leg Patel.

Diatrype linearis Ell. & Ev.,

Bull. Torr. Bot. Cl. pp. 137, 1897

On perithecia of *Nectria* sp. Oct. 1990, HDBJ 29b; dead twigs of *Lantana camera* Linn., Oct. 1990, HDBJ 32; dead wood and bark of *Woodfordia floridana* Salish, Oct. 1990, HDBJ 40; *Eucalyptus globulus* Labill, Oct. 1990, HDBJ 71 a; *Albizia procera* Benth, Oct. 1990, HDBJ 87; *Odina woodier* Roxb., Oct. 1990, HDBJ 88; *Terminalia tomentosa* W. et. Arn., Nov. 1990, HDBJ 95; *Ougenia dalbergioides* Benth, Nov. 1990, HDBJ 106; *Mangifera indica* Linn., Nov. 1990, HDBJ 105;

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Ficus bengalensis Linn., Sept. 1991, HDBJ 127; *Nyctanthes arbortristis* Linn.,
Sep. 1991. HDBJ 142; *Phoenix humilis* Royle, March, 1991, HDBJ 178;
Lagerstroemia parviflora Roxb., Oct. 1992, HDBJ 214b; *Shorea robusta* Gaertn,
Dec. 1992, HDBJ 218; leg Patel.

Diatrypella citricola Ell. & Ev.,

North, Am, Pyr., 587, 1892.

On dead wood of *Cassia fistula* Linnk., Dec. 1990, HDBJ 51 a; *Flemmingia nana*
Roxb., Dec. 1990, HDBJ 126; *Shorea robusta* Gaertn, Dec. 1990, HDBJ 164;
Pyrus communis Linn., March 1991, HDBJ 205; leg Patel.

Didymosphaeria mulleri Mukerji & Kapoor,

Ceske Mycol., 23 : 256-261, 1969.

On dead twigs of *Flemmingia nana* Roxb., Oct. 1990, HDBJ 61; *Bambusa*
arundinacea willd, Dec. 1990, HDBJ 43b; leg Patel.

Eutypella russodes (Berk. & Br.) Berl.,

Icones Fungorum, 3 : 54, 1902.

On dead wood of *Berrya ammonilla* Roxb., Sept. 1990, HDBJ 24 a; *Eucalyptus*
globulus Labill, Sep. 1990. HDBJ 84 a; *Shorea robusta* Gaertn, Dec. 1990, HDBJ
155; leg Patel.

Glomerella cingulata (Stoneman) Spauld & von Schrenk,

Bull. U.S. Dept. Agric. 44 : 29. 1903.

On dead twigs of *Cassia tora* L., Sep. 1990, HDBJ 120; dead wood of *Withania*
coagulans Dunal, Sep. 1990, HDBJ 85b; *Woodfordia fruticosa* Kura., Dec. 1990,
HDBJ 42 a; leg Patel.

Glonium indicum Tilak & Kalde

Biovigyanam 3 : 243-246, 1977.

On dead wood of *Terminalia tomentosa* W. et Arn., Sep. 1990, HDBJ 72; *Shorea*
robusta Gaertn, Sep. 1990, HDBJ 82; *Pyrus communis* Linn., March 1991, HDBJ
176; leg Patel.

Hypoxylon archeri Berk.,

Fl. Tasmania II in Hooker's Bot. Antarctic Voyage 2: 280, 1896.

On bark of *Flacourtia ramontchii* L. Heritier, Nov. 1992, HDBJ 401; leg Patel.
Hypoxylon croconeplum Berk. & Curt.

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- Grevillea 4 : 49, 1875.
- On bark of *Carissa spinarum* A. DC., Nov. 1990, HDBJ 110; leg Patel.
- Hypoxyylon fuscum* (Pers. Ex Fr.) Fries,
Summa Veg. Scand. Sect. Post. 384, 1849.
- On bark of *Bauhinia retusa* Ham., Sep. 1990, HDBJ 4 ; leg Patel.
- Hypoxyylon multiforme* (Fr.) Fries,
Summa Veg. Scand. Sect. Post. 384, 1849.
- On bark of *Terminalia chebula* Retz., Dec. 1990, HDBJ 50; *Eugenia jambolana* Lam., March 1991, HDBJ 189; *Bauhinia latifolia* Roxb., Nov. 1992, HDBJ 402; leg Patel.
- Hypoxyylon nummularium* Buillard ex Fries,
Summa Veg. Scand. Sect. Post. 384, 1849.
- On bark of *Nyctanthes arbortristis* Linn., Sep. 1990, HDBJ 89; *Carissa spinarum* A.DC. Oct. 1991, HDBJ 246; leg Patel.
- Hypoxyylon rubiginosum* (Pers. ex Fr.) Fries,
Summa Veg. Scand. Sect. Post. 384, 1849.
- On dead wood and bark of *Lantana camera* Linn., Sep. 1990. HDBJ 69; *Semecarpus anacardium* Linn., Sep. 1990. HDBJ 67b; *Pyrus communis* Linn., March 1991, HDBJ 205 b; leg Patel.
- Hypoxyylon rutilum* Tulasne,
Selecta fungorum Carpologia 2 : 38, 1863.
- On dead wood and bark of *Shorea robusta* Gaertn, Sep. 1990, HDBJ 74; *Cassia fistula* Linn., Nov. 1990, HDBJ 162; *Ougenia dalbergioides* Benth, March 1991, HDBJ 128 b; *Glochidion velutinum* Wight, Nov. 1992, HDBJ 402; leg Patel.
- Hypoxyylon serpens* (Pers. ex Fr.) Fries,
Summa Veg. Scand. Sect. Post. 384, 1849.
- On dead wood of *Nyctanthes arbortristis* Linn., March 1991, HDBJ 143; *Thevetia peruviana* (Pers.) Merr., March 1991, HDBJ 203; *Shorea robusta* Gaertn, Oct. 1991, HDBJ 272; leg Patel.
- Lophodermium indianum* S. Singh & Minter,
C.M.I. Mycol. Pap. 147 : 27, 1981.
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On dead needles of *Pinus insularis* Endle, Sep. 1990, HDBJ 229; Leg Patel.

Nectria cinnabarina (Tode ex Fr.) Fries.

Summa Veg, Scand, Sect. Post. 386, 1849.

On bark of *Shorea robusta* Gaertn, Feb. 1992, HDBJ 313; leg Patel.

Nectria inventa Pethybrudge,

Trans, Brit. Mycol. Soc. 6:104, 1919

On dead twigs of *Bambusa arundinacea* Willd, Oct. 1991, HDBJ 215c; leg Patel.

Nectria moringae Rajak & Gupta.

Biome 2(1) : 46-51-1987.

On dead twigs of *Anogeissus latifolia* wall., Oct. 1990, HDBJ 30 a; *Ficus glomerata* Roxb., Sep. 1992, HDBJ 33a; leg Patel.

Nitschkia broomiana (Berk.) Nannf.,

Sevenk. Bot. Tidsks 69 (1) : 60, 1975.

On dead wood and bark of *Gravillea robusta* A. Cunn., Sep. 1990, HDBJ 48; *Shorea robusta* Gaertn, Sep. 1990, HDBJ 73; *Bauhinia vahlii* W.et. Ar., Nov. 1990, HDBJ 113a; *Terminalia arjuna* Bedd., Oct. 1990, HDBJ 77; leg Patel.

Patellaria atrate (Hedw.) Fries,

Syst. Mycol. 11 pp. 160, 1849.

On dead wood of *Jatropha curcas* Linn., Oct. 1990, HDBJ 34 a; leg Patel.

Pleospora herbarum (pers.) Rabenth.,

Comm. Soc. Uritt. Ital. I : 217, 1863

On dead wood of *Phyllanthus emblica* L., Sep, 1990, HDBJ 52; leg Patel.

Rhytidhysterium rufulum (Spreng.) Speg.,

Fung. Arg. Pug. 4 : 192, 1887.

On dead twigs of *Crewia asiatica* Linn., Dec. 1990, HDBJ 40; *Ougenia dalbergioides* Benth, Nov. 1990, HDBJ 166; *Lantana camera* L., Sep. 1990, HDBJ 68; *Shorea robusta* Gaertn, Sep. 1990, HDBJ 28; leg Patel.

Thaxterillopsis lignicola Sivanesan, Panwar & Kaur,

Kavaka 4 : 39-42, 1976.

On dead wood of *Eucalyptus globulus* Labill, Sep. 1990, HDBJ 47a; *Mangifera indica* Linn., Oct. 1991, HDBJ 105 b; *Carissa spinarum* A.DC., Oct. 1991, HDBJ 59; *Tectona grandis* Linn., Oct. 1991, HDBJ 212; *Shorea robusta* Gaertn, Feb. 1992, HDBJ 326; leg Patel.

Xylaria gramica (Mont.) Fries,

Nov. Acta. Reg. Soc. Sci. Upsal Ser., 3(1) : 128, 1851.

On dead wood of *Bauhinia retusa* Roxb., Nov. 1990, HDBJ 17 a; leg Patel.

Xylaria hypoxylon (Linn. ex Hooker) Grev.,

Nov. Acta. Reg. Soc. Sci. Upsal. Ser., 3(1) : 128, 1851.

On dead wood of *Carya arborea* Roxb., Nov. 1990, HDBJ 108; *Shorea robusta* Gaertn, Nov. 1990, HDBJ 163; leg Patel.

Xylaria cubensis (Mont.) Fries,

Nov. Acta. Reg. Soc. Sci. Upsal., Ser., 3(1) : 128-185.

On dead twigs of *Bambusa arundinacea* Willd, Oct. 1991. HDBJ 235; leg Patel.

COELOMYSETES

Chaetospermum carneum Tassi,

Bull. Lab. Ort. Bot. Siena, 3 : 130, 1890.

On dead twigs of *Flemingia nana* Roxb., Nov. 1990, HDBJ 114(b); Leg Patel.

Diplodia muehlenbeckiae Tassi,

Ani. R. Acad. Dei. *Fisiocratici* Siena 4, Ser. 8, P. 65, 1896.

On dead wood and bark of *Eugenia jambolana* Lam., March 1991 HDBJ 194, *Shorea robusta* Gaertn, Feb. 1992 HDBJ 289, Leg Patel.

Diplodia mutila (Fr.) Montagen,

Annls. Sci. Nat. Ser. 2, 1 : 302, 1834

On dead twigs of *Butea monosperma* (Lam.) Taubert, Nov. 1992. HDBJ 361; Leg Patel.

Diplodia ziziphina Ahmed,

Biologia 8 (2) : 144, 1922

On dead leaves of *Phoenix humilis* Royle, Nov. 1992 HDBJ 353; Leg Patel.

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Haplosporella beaumontiana Ahmed,

Biologio 8 (2) : 144, 1922.

On dead twigs of *Shorea robusta* Gaertn, Nov. 1990 HDBJ 100; *Carissa spinarum* A. DC., March 1991 HDBJ 183, *Ziziphus oenoplia* Mill., Nov. 1992 HDBJ 311; Leg Patel.

Kendrickomyces indicus Sutton, Rao & Bhaskar,

Trans. Br. Mycol. Soc. 67 : 243, 1976.

On dead twigs, petioles and midribs of leaves of *Shorea robusta* Gaertn, Sept. 1990, HDBJ 227; Leg Patel.

Serridium unicorne (Cke & Ell). Sutton,

Mycol. Pap. 138 : 74, 1975.

On bark of *Bauhinia vahlii* W. et Arn., Nov., 1990, HDBJ 113b; Leg Patel.

HYPHOMYCETES

Ceratocladium microspermum (Corda) Hughes,

Mycol. Paper. 47 : 58, 1951.

On dead wood of *Litsea glutinosa* (Low.) C.B. Robins, Oct. 1990, HDBJ 239; Leg Patel.

Cladosporium oxysporum Berk & Curt.,

J. Linn. Soc. 10 (46) : 362, 1868.

On dead wood of *Shorea robusta* Gaertn, Oct. 1991, HDBJ 281; Leg Patel.

Dactylaria purpurella (Sacc.) Sacc.,

Michelia 2:20, 1880.

On dead wood of *Wrightia tinctoria* R. Br., March 1991, HDBJ 199; Leg Patel.

Gyrothrix grisea Pirozynski,

Mycol. Pap. 84 : 17-19, 1962.

On dead leaves of *Mangifera indica* Linn., Oct. 1991 HDBJ 226a; *Butea monosperma* (Lam.) Taubert, Oct. 1991 HDBJ 261a; Leg Patel.

Lacellina graminicola (Berk. & Br.) Petch.,

Ann. Roy. Bot. Gdns. Paradeniya 2 : 171, 1924.

On dead stem and leaves of *Aristida adscensionis* Linn., Nov. 1992, HDBJ 360; Leg Patel.

Memmoniella echinata (Riv.) Galloway,

Trans. Br. Mycol. Soc. **18** : 163-166, 1933.

On dead twigs of *Nyctanthes arbortristis* Linn., Nov. 1991, HDBJ 363; Leg Patel.

Moorella speciosa Roa & Rao,

Mycopath. Mycol. appl. **22** : 50-52, 1964.

On dead wood of *Shorea robusta* Gaertn, Sept. 1990 HDBJ 15a; Leg Patel.

Nodulisorium gregarium (Berk. & Curt) Meyer.,

Revus Mycol. **29** : 310, 1965.

On dead twigs of *Butea monosperma* (Lam.) Taubert, Nov. 1992, HDBJ 346; Leg Patel.

Paathramaya sundara Subram.,

J. Indian Bot. Soc. **35** : 68-70, 1856.

On dead wood and bark of *Mallotus philippinensis* Muell., Nov. 1990, HDBJ 23c; *Phyllanthus emblica* Linn., Oct. 1991, HDBJ 213; *Lagerstroemia parviflora* Roxb., Oct. 1991, HDBJ 232a; *Semecarpus anacardium* Linn., Oct. 1991, HDBJ 232b; *Carissa spinarum* A.DC., Oct., 1991, HDBJ 236; *Anogeissus latifolia* Wall., Nov. 1992, HDBJ 358; Leg Patel.

Periconia byssoides Pers. ex Merat.,

Nouv. Fl. Environs. Parris Ed. **2** (1) : 18-19, 1821.

On dead twigs of *Acalypha amentaceae* Roxb., Oct. 1991, HDBJ 249; Leg Patel.

Periconia minutissima Corda,

Icon. Fung. **1** : 19, 1837.

On dead twigs of *Dioscorea bulbifera* L., Sept. 1990, HDBJ 19b; Leg Patel.

Pithomyces ellisii Rao & Chary,

Curr. Sci. **41** (22) : 822-823, 1972.

Dead wood of *Eucalyptus globulus* Labill., Sept. 1990, HDBJ 47d; Leg Patel.

Pithomyces maydicus (Sacc.) Ellis.,

Mycol. Pap. **76** : 15, 1960.

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On dead wood of *Phoenix sylvestris* Roxb., Nov. 1992, HDBJ 361; Leg Patel.

Spegazzinia tessarthra (Berk. & Curt.) Sacc.,

Syll. Fung. 4 : 758, 1886.

On dead stem and leaves of *Aristida adscensionis* Linn., HDBJ 360b; Leg Patel.

Torula herbarum (Pers.) Link ex Gray f. *quaternella* Sacc.,

Annls. Mycol. 11 : 556-557, 1913.

On dead twigs of *Vinca rosea* G. Don., Sept. 1990, HDBJ 20; *Withania coagulans* Dunal, Sept. 1990, HDBJ 85; *Jatropha curcas* Linn., Oct. 1990, HDBJ 379; Leg Patel.

Trimmatostroma betulinum (Corda) Hughes.,

Can. J. Bot. 31 : 628, 1953.

On dead wood of *Woodfordia floribunda* Salisb Sept. 1990, HDBJ 75; *Aegle marmelos* Correa, Nov. 1990, HDBJ 157; *Oxytenanthera stocksii* Munro, Nov. 1990, HDBJ 158; *Eucalyptus globulus* Labill., Nov. 1990, HDBJ 317; *Lagerstroemia parviflora* Roxb., Feb. 1992, HDBJ 30; *Acacia catechu* willd., Feb. 1992, HDBJ 331; *Diospyros melanoxylon* Roxb., Feb. 1992, HDBJ 332; *Tectona grandis* Linn., Feb. 1992, HDBJ 333; *Randia dumetorum* Lamk Nov 1992, HDBJ 356; *Grewia asiatica* Linn., Nov. 1992, HDBJ 357; Leg Patel.

Ulocladium chartarum (Preuss) Simmons,

Mycologia 59 : 88-90, 1967

On dead wood of *Berrya amnossilla* Roxb., Oct. 1990, HDBJ 133; *Pterocarpus marsupium* Roxb., Oct, 1990, HDBJ 62; *Semecarpus anacardium* Linn., Oct. 1990, HDBJ 67; *Shorea robusta* Gaertn, Nov. 1990, HDBJ 132; *Citrus medica* Linn., Nov. 1990, HDBJ 168; Leg Patel.

Veroneae coprophila (Subram. & Lodha) Ellis.,

More Dematiaceous Hyphyomycetes. 210-211, IMI, Kew, 1976.

On decaying twigs of *Shorea robusta* Gaertn, Feb. 1992, HDBJ 290; Leg patel.

Wiesneriomyces laurinus (Tassi) Kirk,

Trans. Br. Mycol. Soc. 82 : 748-749, 1984.

On bark of *Grevillea robusta* A. Cunn., March 1991, HDBJ 247; Leg Patel.

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