

CHECKLIST OF SOIL Fungal FLora OF shola forests & grasslands

| SL.NO | SCIENTIFIC NAME |
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| FAMILY: ZYGOMYCOTA | |
| 1 | <i>Absidia californica</i> J.J Ellis & Hesselt |
| 2 | <i>A. cylindrospora</i> Hagem var. <i>cylindrospora</i> Hagem |
| 3 | <i>A. cylindrospora</i> var. <i>nigra</i> Hesselt. & J.J Ellis |
| 4 | <i>A. glauca</i> Hagem |
| 5 | <i>A. repns</i> van Tieghem |
| 6 | <i>A. repens</i> Lendner |
| 7 | <i>Circinella simplex</i> van Tieghem |
| 8 | <i>Cunninghamella echinulata</i> (Thaxt.) Thaxt. |
| 9 | <i>C. elegans</i> Lendner |
| 10 | <i>Congronella butleri</i> (Lendner) |
| 11 | <i>Peyronel & Dal Vesco</i> |
| 12 | <i>Hyphomucor assamensis</i> (B.S. Mehrotra & B.R. Mehr.) Schipper & Lunn. |
| 13 | <i>Micromucor ramannianus</i> (A.Moller) Arx. |
| 14 | <i>Mortierela sp.</i> |
| 15 | <i>Mucor circinelloides</i> van Tieghem f. <i>Circinelloides</i> van Tieghem |
| 16 | <i>M. circinelloides</i> van Tieghem f. <i>Griseocyanus</i> (Hagem) Schipper |
| 17 | <i>M. circinelloides</i> van Tieghem f. <i>Janssenii</i> (Lendner) Schipper |
| 18 | <i>M. circinelloides</i> van Tieghem f. <i>Lusitanicus</i> (Bruderlein) Schipper |
| 19 | <i>M. heimalis</i> Wehmer f. <i>luteus</i> Wehmer. |
| 20 | <i>M. mucedo</i> L. ex Fr. |
| 21 | <i>M. plumbeus</i> Bon. |
| 22 | <i>M. racemosus</i> Fers. f. <i>chibinensis</i> (Neophytova) Schipper |
| 23 | <i>Rhizopus micrporus</i> var. <i>Rhizopodiformis</i> van Tieghem |
| 24 | <i>Rhizopus spp.</i> |

| FAMILY: ASCOMYCOTA | |
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| 25 | <i>Chaetomium funicola</i> Cooke |
| 26 | <i>C. gracile</i> Udagawa |
| 27 | <i>C. megasporum</i> Sorgel ex. Seth. |
| 28 | <i>C. virescens</i> var. <i>theilavioideum</i> (Chen.) P.F Cannon |
| 29 | <i>Emericella nidulans</i> (Eidam) Vuill. |
| 30 | <i>E. varicolor</i> (Fennell & Raper) C.R.Benj. |
| 31 | <i>Eupenicillium</i> sp. |
| 32 | <i>Neocosmospora vasinfecta</i> Smith |
| 33 | <i>Talaromyces</i> sp. |
| <u>MITOSPORIC FUNGI</u> | |
| 34 | <i>Acremonium kiliense</i> Grutz. |
| 35 | <i>Acremonium</i> sp. |
| 36 | <i>A. ternaria alternata</i> (Fr.) Keissler |
| 37 | <i>Aspergillus carneus</i> (van Tieghem) Blochwitz |
| 38 | <i>A. flavus</i> Link |
| 39 | <i>A. fumigatus</i> var. <i>ellipticus</i> Raper & Fennell |
| 40 | <i>A. kanagawaensis</i> Nehira |
| 41 | <i>A.melleus</i> Yukawa |
| 42 | <i>A. nidulans</i> (Eidem) Wint. |
| 43 | <i>A. niger</i> van Tieghem |
| 44 | <i>A. quardricinctus</i> Yuill |
| 45 | <i>A. viride-natans</i> Ducker & Trower |
| 46 | <i>A. wentii</i> Wehmer |
| 47 | <i>A. spergillus</i> spp. |
| 48 | <i>Beauveria bassiana</i> (Bals) Vuill. |
| 49 | <i>Cladosporium cladosporioides</i> (Fres) de Vries. |
| 50 | <i>Curvularia intermedia</i> Boedijn |
| 51 | <i>C.lunata</i> (Wakker) Boedijn |
| 52 | <i>Cylindrocarpon</i> sp. |
| 53 | <i>Eladia saccula</i> (Dale) Smith. |
| 54 | <i>Eladia</i> sp. |
| 55 | <i>Fusarium dlamini</i> Marasas, Nelson & Toussoun |

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| 56 | <i>F. moniliforme</i> J. Sheld. |
| 57 | <i>F. oxysporum</i> Schltldl. |
| 58 | <i>F. solani</i> (Mart) Sacc. |
| 59 | <i>Geotrichum candidum</i> Link |
| 60 | <i>Gilmaniella humicola</i> Barron. |
| 61 | <i>Glicladium catenulatum</i> Gilm. & Abbott. |
| 62 | <i>G. roseum</i> Bainier |
| 63 | <i>Humicola fuscoatra</i> Traaen. |
| 64 | <i>Metarrhizium anisopliae</i> (Metschn) Sorok |
| 65 | <i>Myrothecium roridum</i> Tode ex Fr. |
| 66 | <i>Paecilomyce carneus</i> (Duche & Heim) Brown & Smith. |
| 67 | <i>P. farinosus</i> (Holm ex S.F. Gray) Brown & Smith |
| 68 | <i>P. lilacinus</i> (Thom) Samson |
| 69 | <i>P. marquandii</i> (Masse) Hunghes |
| 70 | <i>Penicillium aculeatum</i> Raper & Fennell |
| 71 | <i>P. bilaii</i> Chalabuda |
| 72 | <i>P. canescens</i> Sopp. |
| 73 | <i>P. chermesinum</i> Biourge |
| 74 | <i>P. citrinum</i> Thom. |
| 75 | <i>P. daleae</i> Zaleski. |
| 76 | <i>P. decumbens</i> Thom. |
| 77 | <i>P. echinulatum</i> Raper & Thom. |
| 78 | <i>P. expansum</i> Link ex Gray. |
| 79 | <i>P. glabrum</i> (Wehmer) Westling. |
| 80 | <i>P. griseoroseum</i> Dierckx. |
| 81 | <i>P. janczewskii</i> Zalaski. |
| 82 | <i>P. janthinellum</i> Biourge. |
| 83 | <i>P. lividum</i> Westling. |
| 84 | <i>P. melinii</i> Thom. |
| 85 | <i>P. montanense</i> Christensen & Backus |
| 86 | <i>P. ochrochloron</i> Biourge. |
| 87 | <i>P. purpurogenum</i> Stoll. |

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| 88 | <i>P. restrictum</i> Gilman & Abbott. |
| 89 | <i>P. simplicissimum</i> (Oudem) Thom. |
| 90 | <i>P. spinulosum</i> Thom. |
| 91 | <i>P. thomii</i> Maire. |
| 92 | <i>P. variabile</i> Sopp. |
| 93 | <i>P. velutinum</i> van Beyma. |
| 94 | <i>P. verruculosum</i> Peyronel. |
| 95 | <i>P. vinaceum</i> Gilman & Abbott. |
| 96 | <i>P. waksmanii</i> Zaleski. |
| 97 | <i>Penicillium spp.</i> |

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| 98 | <i>Periconia sp.</i> |
| 99 | <i>Sesquicillium candelabrum</i> W. (Bonord) Gams. |
| 100 | <i>Trichoderma aureoviride</i> Rifai. |
| 101 | <i>T. hamatum</i> (Bonord) Bain. |
| 102 | <i>T. harzianum</i> Rifai. |
| 103 | <i>T. longibracheatum</i> Rifai. |
| 104 | <i>T. polysporum</i> (Link ex.Pers) Rifai. |
| 105 | <i>T. pseudokoningii</i> Rifai. |
| 106 | <i>Trichoderma sp.</i> |