



Host range of meliolaceous fungi in India

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Abstract: The order Meliolales comprises two families, namely, Armatellaceae and Meliolaceae. Except the genera *Endomeliola* and *Pauhia*, India represents rest of the nine genera of this group. The family Armatellaceae includes two genera, namely, *Armatella* and *Basavamyces*. The family Meliolaceae includes seven genera: *Amazonia*, *Appendiculella*, *Asteridiella*, *Ectendomeliola*, *Irenopsis*, *Meliola* and *Prataprajella*. All these nine genera represent 613 species and infra-specific taxa known till the year 2006, infected 766 host plants belonging to 349 host genera distributed among 104 families. All the host families and the fungal genera are arranged alphabetically with their corresponding parasite and the host plant. The corresponding number after the host family represents the number of meliolaceous taxa known on the members of that family.

Keywords: Families, hosts, India, Meliolaceae

Black colony forming parasitic fungi are known as “Black or dark mildews”. These are obligate ecto-parasites producing black colonies on the surface of the host plants. The black colony forming parasitic fungi belong to several taxonomic groups, viz. Hyphomycetes, Meliolales, *Schiffnerula* and its anamorphic forms, Asterinales, Meliolinaceae, etc. Of these, the fungi belonging to Meliolales can be distinguished by their two celled appressoriate mycelium, setae, presence of globose perithecia with setae, appendages, etc. These are the unique group of fungi which are distinguished very easily. This work gives a clue to the identification of the meliolaceous fungi at a glance based on the hosts and their families. Meliolaceous fungi belong to the order Meliolales and which constitutes two families:

The order Meliolales

Meliolales Gaumann ex Hawksworth & O. Eriksson, *Systema Ascomycetum* 5: 142, 1986.

Parasites on vascular plants. Mycelium mostly superficial, appressoriate. Appressoria mostly two celled, rarely many celled. Phialides unicellular. Ascospores flattened-globose to globose, ± ostiolate, peridium smooth, surface cells protruded, often supplemented with setae, appendages; asci on basal hymenium, unitunicate, 2-8 spored, clavate to cylindrical, persistent or evanescent; ascospores 1-4 septate, brown at maturity.

Type family: Meliolaceae

Discussion

The order Meliolales represents two families to include eleven genera and 2300 species and infra specific taxa. India represents 613 taxa which forms 26.6% of the world's meliolaceous fungal flora. The monotypic genera, *Pauhia* and *Endomeliola* are not represented in India. In India, the genus *Meliola* scores highest number of species and infra specific taxa (453), followed by the genus *Asteridiella* (73), *Irenopsis* (31), *Amazonia* (28), *Armatella* (13), *Appendiculella* (10), the genera *Basavamyces* and *Prataprajella* (2) and the genus *Ectendomeliola* is a monotypic genus. Only the recently described genera, *Basavamyces* and *Ectendomeliola* are endemic to the Indian continent.

The reported number of flowering plants in India is ca.18000 species (the number varies from 16,500 to 19,395) distributed among ca. 390 families (the number varies from 247-315) (Mudgal & Hajra 1997-99; Sharma et al. 1997; Karthikeyan 2000). Of the total known flowering plants, 766 species (42.5%) found infected with these fungi belonging to 349 host genera (of the known 2900 genera, 12%) distributed among 104 families (31%).

Of the total numbers of flowering plant families in India, 104 are infected with meliolaceous fungi, Lauraceae represents highest number (49 taxa), Rubiaceae (40 taxa) followed by Fabaceae (39 taxa), Euphorbiaceae (32 taxa), Rutaceae (26 taxa), Apocynaceae (24 taxa), Myrtaceae and Sapindaceae (18 taxa each), Anacardiaceae and Oleaceae (17 taxa each), Meliaceae (16 taxa), Poaceae and Caesalpinaceae (12 taxa each),



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Table 1. Families of plants, fungal genera, host plants and their associated fungal species

SNo.	Host Family	Fungal Genera	Host	Fungal Species
1.	Acanthaceae 9	Asteridiella	<i>Lepidagathis</i> sp. <i>Diotacanthus</i> sp. <i>Justicia</i> sp. <i>Phaulopsis imbricata</i> (Forssk.) Sweet <i>Strobilanthus</i> sp.	<i>Asteridiella acanthacearum</i> Hosag. <i>Asteridiella diotacanthi</i> Hosag. et al. <i>Asteridiella justiciae</i> Hosag. & Rajkumar <i>Asteridiella phaulopsidis</i> Hosag. <i>Asteridiella strobilanthicola</i> Hosag. et al.
		Meliola	<i>Blepharis asperima</i> Nees <i>Rungia sisparensis</i> T. And. <i>Dicliptera foetida</i> (Forssk.) Blatter <i>Barleria strigosa</i> Willd. <i>Nilgiranthus heyneanus</i> (Nees) Bremek <i>Strobilanthes heyneanus</i> Nees <i>S. reticulata</i> Stapf. <i>Strobilanthes rugosus</i> Wight <i>Strobilanthes</i> sp. <i>S. amabilis</i> (Clarke) Bremek	<i>Meliola acanthacearum</i> Hansf. var. <i>occidentalis</i> Hansf. <i>Meliola barleriae</i> Srinivasulu <i>Meliola nilgiranthi</i> Hosag. <i>Meliola strobilanthicola</i> Hosag. et al.
2.	Agavaceae 1	Meliola	<i>Dracena terniflora</i> Roxb.	<i>Meliola dracena-terniflora</i> Hosag.
3.	Anacardiaceae 17	Appendiculella	<i>Anacardium occidentale</i> L.	<i>Appendiculella anacardii</i> Prameela & Choudhry
		Asteridiella	<i>Mangifera</i> sp	<i>Asteridiella mangiferae</i> Jana et al.
		Meliola	<i>Semecarpus anacardium</i> L.f. <i>Anacardium occidentale</i> L. <i>Buchanania lanceolata</i> Wight <i>B. lanzan</i> Spreng. <i>uchaninia lanzan</i> Spreng. <i>Lannea coromandelica</i> (Houtt.) Merr. <i>Gluta travancorica</i> L. <i>Holigarna ferruginea</i> March. <i>H. grahamii</i> (Wight) Kurz <i>H. ornottiana</i> Hook.f <i>Lannea coromandelica</i> (Houtt.) Merr. <i>Mangifera indica</i> L. <i>Nothopegia colebrookiana</i> (Wight) Bl. <i>N. heyneana</i> (Hook.f. Gamble) <i>N. racemosa</i> (Dalz.) Ramam. <i>Semecarpus anacardium</i> L.f. <i>Semecarpus travancorica</i> Bedd. <i>Semecarpus</i> sp. <i>Semecarpus travancorica</i> Bedd. <i>Mackenzia gracilis</i> (Bedd.) Bremek.	<i>Meliola abrahamii</i> Hosag. et al. <i>Meliola anacardii</i> Zimm. <i>Meliola ardigosii</i> Hosag. & Abraham <i>Meliola buchaniicola</i> Hosag. <i>Meliola geniculata</i> Sydow & Butler <i>Meliola glutae</i> Hosag. & Abraham <i>Meliola holigarnae</i> Stev. <i>Meliola lanneae</i> Hosag. & Manoj. <i>Meliola mangiferae</i> Earle <i>Meliola nothopegiae</i> Hansf. <i>Meliola semecarpi-anacardii</i> Hosag. <i>Meliola semecarpicola</i> Hansf. <i>Meliola shivarajui</i> Hosag. & Kamar. <i>Meliola travancoricae</i> Hosag. <i>Meliola mackenzieae</i> Hosag. et al.
4.	Ancistrocladaceae 1	Meliola	<i>Ancistrocladus heyneanus</i> Wall. ex Grah.	<i>Meliola ancistrocladi</i> Hosag.
5.	Angiopteridaceae 1	Meliola	<i>Angiopteris evecta</i> (Forst.) Hoff.	<i>Meliola angiopteridis</i> Hansf. var. <i>indica</i> Hosag.
6.	Annonaceae 6	Amazonia	<i>Goniothalamus wightii</i> Hook.f. & Thoms. <i>G. wyanadensis</i> (Bedd.) Bedd.	<i>Amazonia goniothalami</i> Hosag. et al.
		Irenopsis	<i>Goniothalamus rhynchantherus</i> Dunn.	<i>Irenopsis goniothalami</i> Hosag. & Abraham
		Meliola	<i>Artabotrys zeylanicus</i> Hook.f. & Thoms. <i>Mitrephora heyneana</i> (Hook.f. & Thoms.) Thw. <i>Meiogyne pannosa</i> (Dalz.) Sinclair (<i>Unona pannosa</i> Dalz.) <i>Meiogyne pannosa</i> (Dalz.) Sinclair (<i>Unona pannosa</i> Dalz.)	<i>Meliola artabotrydicola</i> Hosag. & Abraham <i>Meliola mitrephorae</i> Hosag. & Rajendran <i>Meliola unonae</i> Hosag. & Abraham <i>Meliola unoncola</i> Hosag. & Abraham
7.	Apocynaceae 24	Asteridiella	<i>Wrightia coccinea</i> Sims.	<i>Asteridiella wrightiae</i> Jana et al.
		Meliola	<i>Alstonia scholaris</i> (L.) R. Br. <i>Anodendron paniculatum</i> (Roxb.) DC. <i>Carissa carandas</i> L. <i>Carissa</i> sp. <i>Carissa spinarum</i> L. <i>Chilocarpus atrovirens</i> (G. Don) Blume <i>Ellertonia rheedi</i> Wight <i>Tabernaemontana heyneana</i> Wall. (<i>Ervatamia heyneana</i> T.Cooke) <i>Ichnocarpus frutescens</i> (L.) R. Br. <i>Holarrhena</i> sp. <i>H. pubescens</i> (Buch-Ham.) Wallich ex G. Don <i>Holarrhena pubescens</i> (Buch-Ham.) Wallich ex G. Don <i>Hunteria zeylanica</i> (Retz.) Gard. ex Thw. (<i>H. corymbosa</i> Roxb. var. <i>roxburgiana</i> Trin.) <i>Ichnocarpus frutescens</i> (L.) R. Br. <i>Ichnocarpus frutescens</i> (L.) R. Br. <i>Ichnocarpus</i> sp. <i>Carissa carandus</i> L. <i>Tabernaemontana heyneana</i> Wall. <i>Tabernaemontana</i> sp. <i>Alstonia scholaris</i> (L.) R. Br.	<i>Meliola alstoniae</i> Koord. <i>Meliola anodendricola</i> Hosag. <i>Meliola carissae</i> Doidge var. <i>indica</i> Hansf. <i>Meliola carissae</i> Doidge var. <i>spinari</i> Hosag. <i>Meliola chilocarpi</i> Hosag. & Abraham <i>Meliola ellertoniae</i> Hosag. & Abraham <i>Meliola ervatamiae</i> Hosag. <i>Meliola frutescens</i> Hosag. et al. <i>Meliola holarrhenae</i> Hansf. & Thirum. <i>Meliola holarrhenae-pubescens</i> Jana. et al. <i>Meliola hunteriae</i> Hosag. <i>Meliola ichnocarpi</i> Hansf. & Thirum <i>Meliola ichnocarpi-volubili</i> Hansf. <i>Meliola integripoda</i> Hosag. et al. <i>Meliola pepparaensis</i> Hosag. & Abraham <i>Meliola peringamalaensis</i> Hosag. & Kamar.

SNo.	Host Family	Fungal Genera	Host	Fungal Species
			<i>Rauvolfia hookeri</i> Srinivasan & Chithra	<i>Meliola rauvolfiae</i> Mibey
			<i>Holarrhena antidysenterica</i> (Roxb. ex Fleming) Wall.	<i>Meliola simillima</i> Ellis & Everh. var. <i>major</i> Hansf.
			<i>Plumeria alba</i> L.	<i>Meliola srinivasului</i> Hosag.
			<i>Tabernaemontana</i> sp.	<i>Meliola tabernaemontanae</i> Speg.
			<i>Wrightia tinctoria</i> (Roxb.) R. Br.	<i>Meliola tabernaemontanae</i> Speg. var. <i>wrightiae</i> Hosag. et al.
			<i>Tabernaemontana</i> sp.	<i>Meliola tabernaemontanicola</i> Hansf. & Thirum.
			Apocynaceae (<i>indet.</i>)	<i>Meliola thiruvananthapurica</i> Hosag. & Abraham
8.	Aquifoliaceae 2	<i>Meliola</i>	<i>Ilex malabarica</i> Beddome	<i>Meliola ilicis-malabaricae</i> Hosag. & Raghu
			<i>Ilex</i> sp.	<i>Meliola khasiensis</i> Hansf.
9.	Araceae 1	<i>Asteridiella</i>	<i>Pothos scandens</i> L.	<i>Asteridiella pothodis</i> (Hansf. & Thirum.) Hansf.
10.	Araliaceae 3	<i>Meliola</i>	<i>Brassaiopsis</i> sp.	<i>Meliola brassaiopsidis</i> Hosag.
			<i>Schefflera venulosa</i> (Wight & Arn.) Harms	<i>Meliola dichotoma</i> Burk. & Curt. var. <i>kusanoi</i> (Henn.) Hansf.
			<i>Hedera helix</i> L.	<i>Meliola payakii</i> Hosag.
11.	Areaceae 2	<i>Meliola</i>	<i>Phoenix sylvestris</i> Roxb.	<i>Meliola palmicola</i> Wint. var. <i>africana</i> Hansf.
			<i>Phoenix</i> sp.	
			<i>Caryota urens</i> L.	<i>Meliola caryotae</i> Srinivasulu
12.	Asclepiadaceae 11	<i>Meliola</i>	<i>Ceropegia</i> sp.	<i>Meliola ceropegiae</i> Hosag. & Ramachandran
			<i>Cynanchum</i> sp.	<i>Meliola cynanchi</i> Hosag. et al.
			<i>Tylophora tenuis</i> Bl.	<i>Meliola dimorphochaeta</i> Patil & Mahamul.
			<i>Gymnema sylvestre</i> (Retz.) R. Br. ex Schultes	<i>Meliola gymnemae</i> Jana. et al.
			<i>Gymnema</i> sp.	
			Asclepiadaceae (<i>indet.</i>)	<i>Meliola telosmae</i> Rehm var. <i>radhanagariensis</i> Hosag.
				<i>Meliola telosmae</i> Rehm. var. <i>bogoriensis</i> Hansf.
			<i>Tylophora tenuis</i> Bl.	<i>Meliola telosmae</i> Rehm var. <i>indica</i> Hosag. et al.
			<i>Toxocarpus beddomei</i> Gamble	<i>Meliola toxocarpi</i> Hosag. & Antony
			<i>Tylophora indica</i> (Burm.f.) Merr.	<i>Meliola tylophorae</i> Hosag. & Manoj.
			<i>Tylophora caparidifolia</i> Wight & Arn.	<i>Meliola tylophorae-indicae</i> Hosag.
13.	Asteraceae 3	<i>Asteridiella</i>	<i>Vernonia arborea</i> Buch.-Ham. (V. <i>monosis</i> Clarke)	<i>Asteridiella cyclopoda</i> (Stev.) Hansf.
			<i>Vernonia arborea</i> Buch.-Ham. (V. <i>monosis</i> Benth. ex Clarke)	<i>Asteridiella cyclopoda</i> (Stev.) Hansf. var. <i>vernoniae</i> Hosag. et al.
		<i>Meliola</i>	<i>Coereopsis auristosa</i> Michx.	<i>Meliola coreopsisidis</i> Thite & Kulkarni
14.	Bignoniaceae 2	<i>Asteridiella</i>	<i>Stereospermum colais</i> (Buch. - Ham. ex Dillwyn.) Mabb.	<i>Asteridiella schlegeliae</i> (Stev.) Hansf. var. <i>stereospermi</i> Hosag. & Raghu
		<i>Meliola</i>	<i>Heterophragma roxburghii</i> DC.	<i>Meliola crescentiae</i> Stev.
			<i>Pagenelia longifolia</i> (Willd.) K.Schum. (P. <i>rheedii</i> DC.)	
15.	Boraginaceae 2	<i>Asteridiella</i>	<i>Ehretia canarensis</i> (Clarke) Gamble	<i>Asteridiella ehretiae</i> Hosag. & Raghu
		<i>Meliola</i>	<i>Ehretia canarensis</i> (Clarke) Gamble	<i>Meliola ehreticola</i> Hosag.
16.	Burseraceae 1		<i>Carnarium strictum</i> Roxb.	<i>Meliola canarii</i> Sydow
17.	Caesalpinaceae 12	<i>Meliola</i>	<i>Cassia fistula</i> L.	<i>Meliola aethiops</i> Sacc.
			<i>Cassia fistula</i> L.	<i>Meliola aethiops</i> Sacc. var. <i>cassiae</i> Rao
			<i>Cassia</i> sp.	<i>Meliola aethiops</i> Sacc. var. <i>keralica</i> Hosag.
			<i>Moullava spicata</i> (Dalz.) Nicolson	<i>Meliola aethiops</i> Sacc. var. <i>moullavae</i> Hosag. & Raghu
			<i>Bauhinia phoenicea</i> Wight & Arn.	<i>Meliola bauhiniae-phoeniceae</i> Hosag. et al.
			<i>Bauhinia racemosa</i> Lam.	<i>Meliola bauhiniicola</i> Yamam.
			<i>Caesalpinia sappan</i> L.	<i>Meliola caesalpiniae</i> Hansf. & Deight. var. <i>indica</i> Hosag. & H. Biju
			<i>Cassia fistula</i> l.	<i>Meliola cassiae-fistulae</i> Hosag. & Manoj.
			<i>Kingiodendron pinnatum</i> (Roxb.) Harms	<i>Meliola kingiodendri</i> Hosag. et al.
			<i>Bauhinia</i> sp.	<i>Meliola kulathupuzhaensis</i> Hosag. & S. Justin P. Jacob
			<i>Cassia surattensis</i> Burm.	<i>Meliola surattensis</i> Hosag. et al.
			<i>Tamarindus indica</i> L.	<i>Meliola tamarindi</i> Sydow & Sydow
18.	Capparaceae 2	<i>Asteridiella</i>	Capparaceae (<i>indet.</i>)	<i>Asteridiella capparidigena</i> Hosag.
		<i>Meliola</i>	<i>Capparis divaricata</i> Lam.	<i>Meliola capparidicola</i> Hosag.
19.	Caprifoliaceae 3	<i>Meliola</i>	<i>Viburnum punctatum</i> Buch.-Ham. ex D. Don	<i>Meliola aequatoriensis</i> Petrak
				<i>Meliola goosii</i> Hosag.
			<i>Leycesteria glaucophylla</i> Hook.f.	<i>Meliola leycesteriae</i> Kar & Maity
21.	Celastraceae 8	<i>Amazonia</i>	<i>Maytenus rothiana</i> (Laws.) Lobreu-Callen	<i>Amazonia mayteni</i> Hosag.
			<i>Maytenus emerginata</i> (Willd.) Ding Hu (Gymnosporia <i>montana</i> (Roth) Benth.)	<i>Amazonia patilii</i> Hosag.
		<i>Appendiculella</i>	<i>Celastrus paniculatus</i> Willd.	<i>Appendiculella gloriosa</i> (Doidge) Hansf.
		<i>Asteridiella</i>	<i>Lophopetalum wightianum</i> Arn.	<i>Asteridiella lophopetalii</i> Hosag. & Raghu
		<i>Meliola</i>	<i>Bhesa indica</i> (Bedd.) Ding Hou	<i>Meliola bhesae</i> Hosag.
			<i>Lophopetalum</i> sp.	<i>Meliola chennaiana</i> Hosag. & Goos
			<i>Pleurostyliia</i> sp.	<i>Meliola celastracearum</i> Hosag. & B.R. Dayal
			<i>Euonymus indicus</i> Heyne ex Roxb.	<i>Meliola euonymicola</i> Hosag.
22.	Clusiaceae 3	<i>Appendiculella</i>	<i>Calophyllum austroindicum</i> Kosterm.	<i>Appendiculella calophylli</i> (Stev.) Toro var. <i>apetali</i> Hosag. et al.
			<i>C. apetalum</i> Willd.	

SNo.	Host Family	Fungal Genera	Host	Fungal Species
		Meliola	<i>Garcinia spicata</i> (Wight & Arn.) Hook.f. <i>Mammia suriga</i> (Buch.-Ham. ex Roxb.) Kosterm. (<i>Ochrocarpus longifolius</i> (Wight) Benth. ex T. And.)	<i>Meliola garciniae</i> Yates. <i>Meliola ochrocarpi</i> Thite & Patil
23.	Combretaceae 2	Amazonia Asteridiella	<i>Combretum decandrum</i> Roxb. <i>Terminalia chebula</i> Retz. <i>T. paniculata</i> Roth	<i>Amazonia henryi</i> Hosag. <i>Asteridiella combreti</i> (Stev.) Hansf. var. <i>leonensis</i> Hansf.
24.	Connaraceae 4	Meliola	<i>Connarus monocarpus</i> L. <i>Rourea praineana</i> Talbot <i>Connarus sclerocarpus</i> (Wight & Arn.) Schell. <i>Connarus wightii</i> Hook.f.	<i>Meliola agumbensis</i> (Subhedar & Rao) Hosag. <i>Meliola connari</i> Yates <i>Meliola connari</i> Yates var. <i>indica</i> Hosag. <i>Meliola roureeae</i> Sydow var. <i>major</i> Hansf. & Deight.
25.	Convolvulaceae 5	Meliola	<i>Argyrea hirsute</i> Arn. <i>A. populifolia</i> Choisy <i>Ipomoea</i> sp. <i>Erycibe paniculata</i> Roxb. <i>Porona paniculata</i> Roxb. <i>Argyrea</i> sp. <i>Argyrea elliptica</i> Choisy <i>A. hookeri</i> Clarke <i>A. setosa</i> (Roxb.) Choisy <i>Merremia umbellata</i> (L.) Hall.f. <i>Argyrea elliptica</i> (Roth) Choisy <i>A. hookeri</i> Clarke <i>A. speciosa</i> Sweet	<i>Meliola clavulata</i> Wint. <i>Meliola erycibes-paniculatae</i> Hosag. <i>Meliola malacotricha</i> Speg. <i>Meliola malacotricha</i> Speg. var. <i>major</i> Beeli <i>Meliola quadrispina</i> Racib.
26.	Cornaceae 1	Asteridiella	<i>Mastixia arborea</i> (Wight) Bedd.	<i>Asteridiella mastixiae</i> Hosag. & Raghu
27.	Cucurbitaceae 3	Asteridiella	<i>Trichosanthes tricuspidata</i> Lour. (<i>T. palmata</i> Roxb.) <i>Citrulla</i> sp. <i>Mukia</i> sp. <i>Momordica</i> sp.	<i>Asteridiella confragosa</i> (Sydow & Sydow) Hansf. <i>Asteridiella triloba</i> (Wint.) Hansf. <i>Asteridiella triloba</i> (Wint.) Hansf. var. <i>momordicae</i> Hosag. et al.
28.	Cyperaceae 1	Meliola	<i>Rhynchospora corymbosa</i> (L.) Britt.	<i>Meliola tibigirica</i> Hosag. & Abraham
29.	Daphniphyllaceae 1	Amazonia	<i>Daphniphyllum neilgherense</i> (Wight) Rosenth.	<i>Amazonia daphniphylli</i> M.S. Patil
30.	Dichapetalaceae 1	Meliola	<i>Dichapetalum gelonioidea</i> (Roxb.) Engl.	<i>Meliola dichapetali</i> Hansf. & Thirum.
31.	Dilleniaceae 1	Asteridiella	<i>Dillenia pentagyna</i> Roxb.	<i>Asteridiella dilleniae</i> Hosag. & Kamarudeen
32.	Ebenaceae 6	Asteridiella Meliola	<i>Diospyros candolleana</i> Wight <i>Diospyros</i> sp. <i>Diospyros montana</i> Roxb. <i>D. nigrescens</i> (Dalzel) Saldhana <i>D. pruriens</i> Dalz. <i>D. sylvatica</i> Roxb. <i>D. malabarica</i> (Desr.) Kostel. <i>Diospyros</i> sp. <i>Diospyros nigrescens</i> (Dalzel) Saldhana (<i>Maba nigrescens</i> Dalzel) <i>Diospyros</i> sp. <i>Diospyros buxifolia</i> (Blume) Hiern. (<i>D. microphylla</i> Bedd.)	<i>Asteridiella eucleae</i> Hansf. var. <i>microspora</i> Hosag. & Raghu <i>Asteridiella Kapoorii</i> Hosag. & Raghu <i>Meliola diospyri</i> Sydow & Sydow <i>Meliola diospyri</i> Sydow & Sydow var. <i>yatesiana</i> (Trott.) Hansf. & Deight. <i>Meliola diospyricola</i> Hansf. <i>Meliola megalocarpa</i> Sydow var. <i>microspora</i> Hosag.
33.	Elaeagnaceae 1	Meliola	<i>Elaeagnus kologa</i> Schlecht (<i>E. latifolia</i> L.) <i>E. indica</i> Serv.	<i>Meliola elaeagni</i> Hansf. & Thirum.
34.	Elaeocarpaceae 1	Asteridiella	<i>Elaeocarpus tuberculatus</i> Roxb.	<i>Asteridiella elaeocarpi-tuberculati</i> Hosag.
35.	Ericaceae 4	Amazonia Appendiculella Asteridiella	<i>Agapetes</i> sp. <i>Gaultheria fragrantissima</i> Wall. <i>Gaultheria indica</i> Wall. <i>Pentapterygium serpens</i> Klotsch	<i>Amazonia karii</i> Hosag. & Balakr. <i>Appendiculella gaultheriae</i> Hosag. <i>Asteridiella gaultheriae</i> Hosag. et al. <i>Asteridiella pentapterygii</i> Kar & Maity
36.	Erythralaceae 1	Meliola	<i>Erythralium populifolium</i> (Arn.) Mast.	<i>Meliola erythrali</i> Hosag.
37.	Erythroxylaceae 1	Meliola	<i>Erythroxylum obtusifolium</i> (Wight) Hook.f.	<i>Meliola erythroxylifolii</i> Batista & Vital
38.	Euphorbiaceae 32	Asteridiella	<i>Croton malabaricus</i> Muell.-Arg. <i>C. zeylanicus</i> Muell.-Arg. <i>Croton zeylanicus</i> Muell.-Arg. (<i>C. reticulatus</i> Heyne ex Muell.-Arg.) <i>Macaranga peltata</i> (Roxb.) Muell.-Arg. <i>Glochidion</i> sp. <i>Mallotus philippensis</i> (Lam.) Muell.-Arg. <i>Macaranga peltata</i> Muell.-Arg. <i>Mallotus alba</i> Muell.-Arg. <i>M. philippensis</i> (Lam.) Muell.-Arg.	<i>Asteridiella crotonicola</i> Hosag. & Abraham <i>Asteridiella crotonis</i> Hosag. <i>Asteridiella entebbeensis</i> (Hansf. & Stev.) Hansf. <i>Asteridiella entebbeensis</i> (Hansf. & Stev.) Hansf. var. <i>glochidii</i> Hosag. et al. <i>Asteridiella kombeensis</i> Hosag. <i>Asteridiella macarangicola</i> Hosag. <i>Asteridiella malloti</i> (Hansf. & Thirum.) Hansf.

SNo.	Host Family	Fungal Genera	Host	Fungal Species
			<i>M. tetracoccus</i> (Roxb.) Kurz (<i>M. albus</i> Muell.-Arg.)	
			<i>Mallotus philippensis</i> (Lam.) Muell.-Arg.	<i>Asteridiella mallotica</i> (Yamam.) Hansf.
			<i>Madhuca longifolia</i> (L.) Macbr. var. <i>latifolia</i> (Roxb) A. Chev.	<i>Asteridiella resinosi</i> Hosag.
		Irenopsis	<i>Mallotus</i> sp. <i>Mallotus repandus</i> (Willd.) Muell.-Arg. <i>Mallotus roxburghianus</i> Muell. <i>Croton zeylanicus</i> Muell.-Arg. <i>Croton</i> sp.	<i>Asteridiella wyanadensis</i> Hosag. et al. <i>Irenopsis crotonis</i> (Stev. & Tehon) Stev. <i>Irenopsis hypophyllae</i> Jana. et al. <i>Irenopsis paulensis</i> Hansf.
		Meliola	<i>Actephila excelsa</i> (Dalz.) Muell.-Arg. <i>Agrostistachys borneensis</i> Becc. (<i>A. meeboldii</i> Pax & Hoffm.) <i>Excoecaria crenulata</i> Wight <i>Croton malabaricus</i> Bedd.	<i>Meliola actephilae</i> Hosag. et al. <i>Meliola agrostistachydis</i> Hosag. & Rajkumar <i>Meliola chandleri</i> Hansf. <i>Meliola crotonis malabarici</i> Hosag. <i>Meliola drypeticola</i> Hosag.
			<i>Drypetes macrophylla</i> (Bl.) Pax & Hoffm. <i>Epiprinus mallotiformis</i> (Muell.-Arg.) Croizat <i>Farenheitia zeylanica</i> (Thw.) Airyshaw <i>Glochidion velutinum</i> Wight <i>Glochidion ellipticum</i> Wight <i>G. hohenackeri</i> Bedd. <i>Bridelia</i> sp. <i>Jatropha glandulifera</i> Roxb. <i>Glochidion</i> sp. <i>Mallotus philippensis</i> (Lam.) Muell.-Arg. <i>Ostodes paniculata</i> Blume Euphorbiaceae (indet.) <i>Homonioia riparia</i> Lour. <i>Glochidion</i> sp. <i>Trewia nodiflora</i> L <i>T. polycarpa</i> Benth. ex Hook. <i>Antidesma zeylanica</i> Laun. (<i>A. alexiteria</i> L.)	<i>Meliola farenheitiae</i> Hosag. & Abraham <i>Meliola glochidii</i> Stev. & Rold. ex Hansf. var. <i>velutini</i> Hosag. <i>Meliola glochidicola</i> Yamam. <i>Meliola himalayensis</i> Kapoor <i>Meliola jatrophae</i> Stev. <i>Meliola karnatakensis</i> Hosag. et al. <i>Meliola mallotica</i> Hosag. <i>Meliola ostodis</i> Kapoor <i>Meliola radhanagariensis</i> Hosag. <i>Meliola ramosii</i> Sydow & Sydow <i>Meliola thiteana</i> Hosag. <i>Meliola trewiae</i> Hosag. <i>Meliola vivekananthanii</i> Hosag. et al.
39.	Fabaceae 39	Asteridiella Meliola	<i>Millettia rubiginosa</i> Wight & Arn. <i>Atylosia lineata</i> Wight & Arn. <i>Puereria tuberosa</i> DC. <i>Puereria</i> sp. <i>Puereria tuberosa</i> DC. <i>Desmodium gyrans</i> DC. <i>Millettia rubiginosa</i> Wight & Arn. <i>Millettia rubiginosa</i> Wight & Arn. <i>Desmodium telifolia</i> <i>D. triquetrum</i> (L.) DC <i>D. velutinum</i> (Willd.) DC. <i>Dolichos trilobus</i> L. (<i>D. fulcatus</i> Keim ex Willd.) <i>Butea monosperma</i> (Lam.) Taub. (<i>B. frondosa</i> Roxb.) <i>B. parviflora</i> Roxb. <i>Calopogonium mucunoides</i> Desv. <i>Clitoria ternatea</i> L. <i>Desmodium laxiflorum</i> DC. <i>Desmodium motorium</i> (Houtt.) Merr. <i>Desmodium pulchellum</i> (L.) Benth. <i>Desmodium triangulare</i> (Retz.) Merr. <i>Desmodium triquetrum</i> (L.) DC. <i>Desmodium velutinum</i> (Willd.) DC. <i>Dolichos trilobus</i> L. <i>D. trifolius</i> <i>Erythrina variegata</i> L. (<i>E. indica</i> Lam.) <i>E. stricta</i> Roxb. <i>Flemingia semialata</i> <i>Flemingia</i> sp. <i>Ormosia travancorica</i> Bedd. <i>Geissaspis cristata</i> Wight & Arn. <i>Gliricidia sepium</i> (Jacq.) Walp <i>Millettia splendens</i> Wight & Arn. <i>Millettia racemosa</i> (Wight & Arn.) Benth. <i>Mucuna imbricata</i> DC. <i>Mucuna hirsuta</i> Wight & Arn. <i>Mucuna pruriens</i> (L.) DC. <i>Millettia pequensis</i> Ali <i>Vigna khandalensis</i> (Sant.) Raghu & Wadhwa (<i>Phaseolus khandalensis</i> Sant.) <i>Pongamia pinnata</i> (L.) Pierre <i>Pseudarthria viscida</i> (L.) Wight & Arn. <i>Pterocarpus marsupium</i> Roxb. <i>Pycnospora</i> sp. <i>Spatholobus parviflorus</i> (Roxb. ex DC.) Kuntze <i>S. roxburghii</i> Benth. <i>Spatholobus</i> sp.	<i>Asteridiella millettiae</i> Hosag. et al. <i>Meliola atylosiae</i> Hosag. <i>Meliola banosensis</i> Sydow <i>Meliola banosensis</i> Sydow var. <i>puerariae</i> Hosag. <i>Meliola banosensis</i> Sydow var. <i>puerariicola</i> Hosag. <i>Meliola bantanensis</i> Hansf. var. <i>keralensis</i> Hosag. <i>Meliola bataanensis</i> Sydow & Sydow <i>Meliola bataanensis</i> Sydow var. <i>indica</i> Hosag. & Abraham <i>Meliola bicornis</i> Wint. <i>Meliola buteae</i> Hafiz et al. <i>Meliola calopogonii</i> Hosag. & Manoj. <i>Meliola clitoriae</i> Hosag. <i>Meliola desmodii-laxiflori</i> Deight. var. <i>indica</i> Hosag. et al. <i>Meliola desmodii-motorii</i> Hosag. & Manoj. <i>Meliola desmodii-pulchelli</i> Hosag. et al. <i>Meliola desmodii-triangularis</i> Hosag. & Manoj. <i>Meliola desmodii-triquetri</i> Hosag. & Manoj. <i>Meliola desmodii-velutini</i> Hosag. & Manoj. <i>Meliola dolichi</i> Hosag. <i>Meliola erythrinae</i> Sydow <i>Meliola flemingiicola</i> Hosag. <i>Meliola franciscana</i> Hansf. <i>Meliola geissaspidis</i> Hosag. & Manoj. <i>Meliola gliricidiicola</i> Hosag. & Agarwal <i>Meliola millettiae-chrysophyllae</i> Deight. var. <i>indica</i> Hosag. et al. <i>Meliola millettiae-racemosae</i> Hosag. & M. Mohanan <i>Meliola motatanensis</i> Hansf. <i>Meliola mucunae</i> Hansf. var. <i>hirsutae</i> Hosag. <i>Meliola mucunae-acuminatae</i> Hansf. var. <i>indica</i> Hosag. et al. <i>Meliola pequensis</i> Hosag. et al. <i>Meliola phaseoli</i> A. N. Thite ex Hosag. <i>Meliola pongamiae</i> Hosag. & Abraham <i>Meliola pseudarthriae</i> Hosag. & Manoj. <i>Meliola pterocarpi</i> Yates <i>Meliola pycnosporae</i> Hosag. et al. <i>Meliola spatholobii</i> Hosag. et al.

SNo.	Host Family	Fungal Genera	Host	Fungal Species
			<i>Milletia rubiginosa</i> Wight & Arn. <i>Teramnus labialis</i> (L.f.) Spreng. <i>Uraria rufescens</i> (DC.) Schindl.	<i>Meliola teramni</i> Sydow var. <i>millettae</i> Hosag. <i>Meliola teramnica</i> Hosag. <i>Meliola urariae</i> Hosag.
40.	Fagaceae 6	Amazonia Asteridiella Meliola	<i>Castenopsis armata</i> Spanch <i>Quercus</i> sp. <i>Quercus leucotrichophora</i> A. Camus <i>Castenopsis hystrix</i> A. DC. <i>Castenopsis armata</i> Spanch <i>Quercus spicata</i> Sm.	<i>Amazonia balakrishnanii</i> Hosag. <i>Asteridiella quercina</i> Hansf. <i>Meliola bosei</i> Hosag. <i>Meliola hystrix</i> Kar & Maity <i>Meliola mannii</i> Hosag. <i>Meliola melanochaeta</i> Sydow
41.	Flacourtiaceae 5	Amazonia Asteridiella Meliola	<i>Flacourtia</i> sp. <i>Casearia esculenta</i> Roxb. <i>Scolopia crenata</i> (Wight & Arn.) Clos <i>Hydnocarpus laurifolius</i> <i>H. pentandra</i> (Buch-Ham) Oken <i>Scolopia crenata</i> (Wight & Arn.) Clos	<i>Amazonia flacourtae</i> Hosag. et al. <i>Asteridiella casearicola</i> Hosag. <i>Asteridiella scolopiae</i> Hosag. <i>Meliola hydnocarpi</i> Hansf. var. <i>indica</i> Hosag. & Kamar. <i>Meliola scolopiae</i> Doidge var. <i>indica</i> Hosag.
42.	Gentianaceae 1	Meliola	<i>Exacum tetragonum</i> Roxb. (E.bicolor)	<i>Meliola exaci</i> Hosag.
43.	Gesneriaceae 1	Asteridiella	<i>Didymocarpus humboldtianus</i> Gard.	<i>Asteridiella cyrtandrae</i> (Stev.) Hansf. var. <i>didymocarpi</i> Hosag.
44.	Gnetaceae 1	Meliola	<i>Gnetum ula</i> Brogn.	<i>Meliola gneti</i> Hansf.
45.	Hemmalidaceae 1	Meliola	<i>Symingtonia populnea</i> (R. Br.) Van Steenis	<i>Meliola symingtoniae</i> Kapoor
46.	Hippocrateaceae 2	Meliola	<i>Loecneriella obtusifolia</i> (Roxb.) A.C. Smith <i>Salacia</i> sp.	<i>Meliola oligomera</i> Sydow <i>Meliola salaciae</i> Hansf.
47.	Icacinaceae 7	Amazonia Meliola	<i>Gomphandra coriacea</i> Wight <i>Apodytes dimidiata</i> E. Meyer ex Arn. <i>Notopodytes nimmoniana</i> (Graham) Mabberty <i>Apodytes dimidiata</i> E. Meyer ex Arn. <i>Gomphandra coriacea</i> Wight <i>Sarcostigma kleini</i> Wight <i>Sarcostigma kleinii</i> Wight & Arn. <i>Stemonurus tetrandrus</i> Wall. ex Roxb.	<i>Amazonia gomphandrae</i> Hosag. <i>Meliola chandrasekharanii</i> Hosag. <i>Meliola dimidiatae</i> Hosag. <i>Meliola gomphandrae</i> Hosag. & Abraham <i>Meliola sarcostigmaticola</i> Hosag. et al. <i>Meliola sarcostigmatis</i> Hosag. <i>Meliola stemonuri</i> Hosag.
48.	Lamiaceae 4	Asteridiella	<i>Leucas</i> sp. <i>Colebrookia oppositifolia</i> Sm. <i>Hyptis suaveilense</i> (L.) Poit. <i>H. capitata</i> Jacq. <i>Pogostemon pubescens</i> Benth.	<i>Asteridiella anastomosans</i> (Wint.) Hansf. <i>Asteridiella colebrookiae</i> Jana et al. <i>Meliola hyptidis</i> Sydow <i>Meliola pogostemonis</i> Hansf.
49.	Lauraceae 49	Amazonia Armatella	<i>Actionodaphne malabarica</i> Balakr. (A. <i>hookeri</i> sensu Bedd.) <i>Cinnamomum riparium</i> Gamble <i>Actinodaphne</i> sp. <i>Apollonias arnottii</i> Nees <i>Cinnamomum malabatum</i> (Burm.f.) Blume <i>Litsea</i> sp. <i>Cinnamomum zeylanicum</i> L. <i>C. macrocarpum</i> Hook.f. <i>Cinnamomum</i> sp. <i>Cinnamomum macrocarpum</i> Hook.f. <i>C. malabatum</i> (Burm.f.) Blume <i>Cinnamomum</i> sp. <i>Cryptocarya bourdillonii</i> Gamble <i>Cryptocarya</i> sp <i>Litsea coriacea</i> (Heyne ex Meissner) Hook.f. <i>L. stocksii</i> Hook.f. <i>L. wightii</i> ana sensu Hook.f. <i>L. glabra</i> (Wallich ex Nees) Hook.f. <i>L. glabrata</i> (Wallich ex Nees) Hook.f. <i>L. deccanensis</i> Gamble <i>Litsea</i> sp. <i>Cinnamomum malabatum</i> (Burm.f.) Blume <i>C. sulphuratum</i> <i>Cinnamomum</i> sp. <i>Apollonias arnottii</i> Nees <i>Litsea stocksii</i> Hook.f <i>Persea macrantha</i> (Nees) Kosteerm. (<i>Machilus macrantha</i> Nees) <i>Litsea</i> sp. <i>Persea</i> sp. <i>Daphnedium pulcherrima</i> <i>Neolitsea fischeri</i> Gamble <i>N. scrobiculata</i> (Meisner) Gamble <i>N. zeylanica</i> Merr. <i>Neolitsea scrobiculata</i> (Meisner) Gamble <i>Neolitsea</i> sp. <i>Actinodaphne</i> sp.	<i>Amazonia actinodaphnes</i> Hosag. <i>Amazonia cinnamomi</i> Hosag. <i>Armatella actinodaphnes</i> Hosag. et al. <i>Armatella apolloniadis</i> Hosag. et al. <i>Armatella balakrishnanii</i> Hosag. <i>Armatella caulicola</i> Hosag. et al. <i>Armatella cinnamomi</i> Hansf. & Thirum. <i>Armatella cinnamomicola</i> Hansf. <i>Armatella cryptocaryae</i> Hosag. <i>Armatella indica</i> Hosag. <i>Armatella kakachiana</i> Hosag. & Goos <i>Armatella katumotoi</i> Hosag. <i>Armatella litseae</i> (P. Henn.) Theiss. & Sydow <i>Armatella litseae</i> (Henn.) Theiss. & Sydow var. <i>boninensis</i> Katumoto & Harada <i>Armatella phoebecola</i> Hosag.

SNo.	Host Family	Fungal Genera	Host	Fungal Species
			<i>Litsea</i> sp.	
		Basavamyces	<i>Phoebe lanceolata</i> Nees.	<i>Basavamyces litseae</i> Hosag. et al.
			<i>Litsea</i> sp.	<i>Basavamyces patilii</i> Hosag.
		Meliola	<i>Actinodaphne malabarica</i> Balakr.	<i>Meliola actinodaphnecola</i> Hosag. & Abraham
			<i>Actinodaphne</i> sp.	<i>Meliola banasurani</i> Hosag. et al.
			<i>Beilschmiedia wightii</i> (Nees) Benth. ex Hook.f.	<i>Meliola beilschmiedicola</i> Hosag.
			<i>Cinnamomum malabatum</i> (Burm.f.) Blume	<i>Meliola beilschmiediae</i> Yamam. var. <i>cinnamomicola</i> Hosag.
			Lauraceae (indet.)	<i>Meliola cholakadensis</i> Hosag. et al.
			<i>Cinnamomum</i> sp.	<i>Meliola cinnamomi</i> Hosag. & Abraham
			<i>Cryptocarya bourdillonii</i> Gamble	<i>Meliola cryptocariicola</i> Hosag. & Raghu
			<i>Litsea insignis</i> Gamble	<i>Meliola drepanochaeta</i> Sydow var. <i>insignis</i> Hosag.
			<i>Persea macrantha</i> (Nees) Kosterm.	<i>Meliola floridensis</i> Hansf.
			<i>Persea macrantha</i> (Nees) Kosterm.	<i>Meliola floridensis</i> Hansf. var. <i>pudukadensis</i> Hosag.
			<i>Actinodaphne</i> sp.	<i>Meliola gooseana</i> Hosag. & Abraham
			<i>Cryptocarya beddomei</i> Gamble	<i>Meliola kakachiana</i> Hosag.
			<i>Cinnamomum</i> sp.	<i>Meliola kavariappai</i> Hosag. et al.
			<i>Actinodaphne hookeri</i> Meissn.	<i>Meliola linderæ</i> Yamam.
			<i>Actinodaphne malabarica</i> Balakr.	<i>Meliola linderæ</i> Yamam. var. <i>microspora</i> Hosag. & Abraham
			<i>Litsea floribunda</i> (Blume) Gamble	<i>Meliola litseae</i> Sydow & Sydow var. <i>floribundae</i> Hosag.
			<i>Litsea insignis</i> Gamble	<i>Meliola litseae</i> Sydow & Sydow var. <i>insignis</i> Hosag.
			<i>Litsea stocksii</i> (Meisner) Hook.f. var.	<i>Meliola litsea</i> Sydow var. <i>keralensis</i> Hosag.
			<i>glabrescense</i> (Meisner) Hook.f.	
			<i>Litsea floribunda</i> (Bl.) Gamble	<i>Meliola litseae</i> Sydow & Sydow var. <i>microspora</i> Hosag.
			<i>Litsea coriacea</i> (Heyne ex Meisner) Hook.f.	<i>Meliola litseae</i> Sydow & Sydow var. <i>rotundipoda</i> Hansf.
			<i>Persea macrantha</i> (Nees) Kosterm.	<i>Meliola machilii</i> Yamam.
			(<i>Machilus macrantha</i> Nees)	
			<i>Litsea angustima</i> <i>Litsea</i> sp.	<i>Meliola mannavenansis</i> Hosag. et al.
			<i>Neolitsea scrobiculata</i> (Meisner) Gamble	<i>Meliola neolitseae</i> Yamam.
			(<i>N. zeylanica</i> Merr.)	
			<i>Cryptocarya bourdillonii</i> Gamble	<i>Meliola patileana</i> Hosag.
			(<i>C. wightiana sensu</i> Hook.f.)	
			<i>Litsea</i> sp.	<i>Meliola pudukadensis</i> Hosag.
			<i>Cryptocarya bourdillonii</i> Gamble	<i>Meliola pushpangadani</i> Hosag. & Abraham
			<i>Litsea</i> sp.	<i>Meliola rajamalaensis</i> Hosag. et al.
			<i>Persea macrantha</i> (Nees) Kosterm.	<i>Meliola ramacharii</i> Hosag.
			<i>Litsea</i> sp.	<i>Meliola sempeiensis</i> Yamam. var. <i>nicobarica</i> Lakshmanan et al.
			<i>Actinodaphne</i> sp.	<i>Meliola shettyi</i> Hosag. et al.
			<i>Litsea</i> sp.	<i>Meliola suttonii</i> Hosag. et al.
			<i>Neolitsea</i> sp.	<i>Meliola tetradeniae</i> (Berk.) Theiss. & Sydow
50.	Lecythidaceae 4	Meliola	<i>Careya arborea</i> Roxb.	<i>Meliola careyae</i> (Stev.) Hosag.
			<i>Careya arborea</i> Roxb.	<i>Meliola careyae</i> (Stev.) Hosag. var. <i>indica</i> Hosag.
			<i>Barringtonia acutangula</i> Gaertn	<i>Meliola indica</i> Sydow
			<i>Careya arborea</i> Roxb.	<i>Meliola indica</i> Sydow var. <i>careyae</i> Stev.
51.	Leeaceae 4	Amazonia	<i>Leea indica</i> (Burm.f.) Merr.	<i>Amazonia leeeae</i> Hansf. & Thirum.
			<i>L. macrophylla</i> Roxb.	
		Irenopsis	<i>Leea indica</i> (Burm.f.) Merr.	<i>Irenopsis leeeae</i> Hansf. var. <i>indica</i> Hosag.
			<i>Leea indica</i> (Burm.f.) Merr.	<i>Irenopsis leeeae</i> Hansf. var. <i>javensis</i> Hansf.
		Meliola	<i>Leea asiatica</i> (L.) Ridsdale	<i>Meliola maredumilliana</i> Hosag. & M. Mohanan
			<i>Leea</i> sp.	
52.	Lobeliaceae 1	Meliola	<i>Lobelia nicotianifolia</i> Roth ex Schultes	<i>Meliola lobeliae</i> Stev.
53.	Loganiaceae 4	Meliola	<i>Gardneria</i> sp.	<i>Meliola gardneriae</i> Hansf. & Thirum.
			<i>Gardneria ovata</i> Wall.	<i>Meliola gardneriae</i> Hansf. & Thirum. var. <i>indica</i> Hosag. et al.
			<i>Strychnos nux-vomica</i> L.	<i>Meliola petchii</i> Hansf.
			<i>Strychnos nux-vomica</i> L.	<i>Meliola spigeliae</i> Hansf.
54.	Loranthaceae 3	Meliola	<i>Dendrophoe falcata</i> (L.f.) Etting	<i>Meliola dendrophoeicola</i> Hosag. & Abraham
			<i>Helixanthera</i> sp.	
			<i>Loranthus</i> sp.	
			<i>Dendrophoe falcata</i> (L.f.) Etting	<i>Meliola loranthacearum</i> Hosag. & Abraham
			<i>Dendrophoe falcata</i> (L.f.) Etting	<i>Meliola prataprajii</i> Hosag. & Abraham
55.	Lythraceae 1	Meliola	<i>Woodfordia fruticosa</i> Kurz.	<i>Meliola woodfordiae</i> Srinivausulu
56.	Magnoliaceae 1	Asteridiella	<i>Michelia velutina</i> DC.	<i>Asteridiella micheliae</i> Jana et al.
57.	Malvaceae 8	Amazonia	<i>Abutilon ramosum</i> (Cav.) Guill. & Perr.	<i>Amazonia abutili</i> Hosag.
		Asteridiella	<i>Julostylis polyandra</i> Ravi & Anil	<i>Asteridiella julostylidis</i> Hosag. & Abraham
		Irenopsis	<i>Hibiscus hispissimus</i> Griffith	<i>Irenopsis molleriana</i> (Wint.) Stev.
			<i>H. molleriana</i>	
			<i>H. furcatus</i> Roxb.	
			<i>Kydia calycina</i> Roxb.	<i>Irenopsis mudumalaiensis</i> Hosag.
			<i>Sida cordata</i> (Burm.f.) Borssum	<i>Irenopsis sidae</i> (Rehm) Hughes
			<i>Sida cordata</i> (Burm. f.) Borssum	<i>Irenopsis sidae</i> (Rehm) Hughes var. <i>indica</i> Hosag. & Manoj.
			<i>Thespesia lampas</i> (Cav.) Dalz. ex Dalz. & Gibs.	<i>Irenopsis thespesiae</i> Hansf.
		Meliola	<i>Kydia calycina</i> Roxb.	<i>Meliola kydiae-calycinae</i> Hansf. & Thirum.
58.	Marantaceae 1	Asteridiella	<i>Schumannianthus virgatus</i> (Roxb.) Rolfe	<i>Asteridiella schumannianthi</i> Hosag. et al.

SNo.	Host Family	Fungal Genera	Host	Fungal Species
			<i>Schumannianthus</i> sp.	
59.	Melastomataceae 7	Meliola	<i>Memecylon edule</i> Roxb. <i>Memecylon</i> sp. <i>Memecylon edule</i> Roxb. <i>M. talbotium</i> Brandis <i>Memecylon depressum</i> Benth. ex Triana <i>M. edule</i> Roxb. <i>M. umbellatum</i> Burm.f. <i>Memecylon edule</i> Roxb. <i>M. gracile</i> Bedd. <i>Memecylon</i> sp. <i>Memecylon edule</i> Roxb. <i>Memecylon depressum</i> Benth. ex Triana	<i>Meliola affinis</i> Sydow var. <i>indica</i> Hosag. <i>Meliola attayarica</i> Hosag & Abraham <i>Meliola heudelotii</i> Gaill. <i>Meliola memecyli</i> Sydow & Sydow <i>Meliola memecyli</i> Sydow var. <i>microspora</i> Hansf. <i>Meliola memecylica</i> Hansf. var. <i>longiseta</i> Hosag. <i>Meliola memecylica</i> Hansf. var. <i>indica</i> Hosag.
60.	Meliaceae 16	Ectendomeliola Irenopsis Meliola	<i>Walsura trifolia</i> (A.Juss.) Harms <i>Chukrasia tabularis</i> A. Juss. <i>Dysoxylum arborescens</i> Miq. <i>Aphanamixis polystachya</i> (Wall.) Parker <i>Aglaia minutiflora</i> Bedd. <i>Aphanamixis polystachya</i> (Wall.) Parker <i>Chukrasia</i> sp. <i>Dysoxylum malabaricum</i> Bedd. ex Hiern. <i>Trichilia connaroides</i> (Wight & Arn.) Benthelzen <i>Reinwardtiodendron anamallayanum</i> (Bedd.) Saldana Meliaceae (<i>indet.</i>) <i>Swietenia mahagoni</i> (L.) Jacq. <i>Toona ciliata</i> M. Roem.	<i>Ectendomeliola walsurae</i> Hosag. & Agarwal <i>Irenopsis chukrasiae</i> Hosag. <i>Irenopsis dysoxylis</i> Jana et al. <i>Irenopsis indica</i> (Anahosur) Hosag. <i>Meliola aglaicola</i> Hansf. <i>Meliola aphanamixidis</i> Hosag. <i>Meliola chukrasiae</i> Hosag. <i>Meliola dysoxylis-malabarici</i> Hosag. & Kamar. <i>Meliola heyneae</i> Hansf. & Thirum. <i>Meliola nairii</i> Hosag. <i>Meliola parvula</i> Sydow <i>Meliola petrakii</i> Stev. & Rold. ex Hosag. <i>Meliola reinwardtiodendri</i> Hosag. <i>Meliola silentvalleyensis</i> Hosag. <i>Meliola swietenicola</i> Hosag. et al. <i>Meliola toonae</i> Hosag. & Sabu
61.	Menispermaceae 4	Meliola	<i>Cissampelos convolvulacea</i> Willd. <i>Cyclea peltata</i> Cooke <i>Stephania japonica</i> (Thunb.) Miers <i>Cyclea peltata</i> Cooke	<i>Meliola cissampelicola</i> Hansf. & Thirum. <i>Meliola cycleae</i> Hosag. <i>Meliola stephaniae</i> Hansf. <i>Meliola subramanyaensis</i> Hosag.
62.	Mimosaceae 7	Amazonia Meliola	<i>Abarema bigemina</i> (L.) Kosterm. <i>Adenanthera pavonia</i> L. <i>Mimosa intsia</i> L. <i>Entada rheedii</i> Sprengel <i>Mimosa invisia</i> Mart. ex Colla var. <i>inermis</i> Adelb. <i>Acacia melanoxylon</i> R. Br. <i>A. sinuate</i> (Lour.) Merr. <i>Albizia odoratissima</i>	<i>Amazonia abaremae</i> Hosag. & Antony <i>Meliola adenanthericola</i> Hosag. et al. <i>Meliola aethiops</i> Sacc. var. <i>longiseta</i> Deight. <i>Meliola entadicola</i> Deighton <i>Meliola invisiae</i> Hosag. & H. Biju <i>Meliola melanoxylonis</i> Hosag. & Pillai <i>Meliola odoratissimae</i> (Kapoor) Hosag.
63.	Moraceae 10	Asteridiella Irenopsis Meliola	<i>Streblus asper</i> Lour. <i>Ficus asperrima</i> Roxb. <i>F. exasperata</i> Vahl <i>F. gibbosa</i> Blume <i>F. gibbosa</i> (Blume) Corner var. <i>cuspidifera</i> (Miq.) Chitra <i>F. hispida</i> L.f. <i>F. nervosa</i> Heyne ex Roth <i>F. tinctoria</i> Forst <i>Artocarpus heterophyllus</i> Lam. <i>Artocarpus gomezianus</i> Wall. ex Tree. subsp. <i>zeylanicus</i> Jarret <i>Ficus</i> sp. <i>Dorstenia indica</i> Wight <i>Ficus</i> sp. <i>Artocarpus heterophyllus</i> Lam. (<i>A. integrifolia</i> auct. non L.f.) <i>Ficus</i> sp. <i>Streblus</i> sp. <i>Streblus taxoides</i> (Heyne ex Roth) Kurz	<i>Asteridiella strebli</i> Hosag. et al. <i>Irenopsis benguetensis</i> Stev. & Rold. ex Hansf. <i>Meliola artocarpi</i> Yates <i>Meliola artocarpi</i> Yates var. <i>indica</i> Hosag. et al. <i>Meliola bangalorensis</i> Hansf. & Thirum. <i>Meliola dorsteniae</i> Hosag. & Abraham <i>Meliola ficicola</i> Hansf. & Thirum. <i>Meliola integrifolii</i> C.R. Patil ex Hosag. <i>Meliola ovatipoda</i> Hansf. & Thirum. <i>Meliola strebli</i> Hosag. et al.
64.	Myristicaceae 3	Asteridiella Meliola	<i>Knema attenuata</i> (Wall. ex Hook.f.) Thoms. Myristicaceae (<i>indet.</i>) <i>Myristica fatua</i> Houtt var. <i>magnifica</i> (Bedd.) Sinclair	<i>Asteridiella knemae</i> Hansf. var. <i>macrospora</i> Hosag. & Abraham <i>Asteridiella myristicacearum</i> Hosag. <i>Meliola myristicae</i> Hosag. & Raghu
65.	Myrsinaceae 7	Amazonia Meliola	<i>Antistrophe serratifolia</i> (Bedd.) Hook.f. <i>Embelia basal</i> (Rem. & Schultes) A. DC. <i>E. viridiflora</i> Bl. <i>Ardisia missionis</i> Wall. ex A. DC. <i>Embelia viridiflora</i> Bl. <i>Maesa indica</i> (Roxb.) DC. <i>Maesa indica</i> (Roxb.) DC. <i>Rapanea wightiana</i> (Wall. ex DC.) Mez <i>Myrsine africana</i> L.	<i>Amazonia antistrophecola</i> Hosag. & Abraham <i>Amazonia peregrina</i> Sydow & Sydow <i>Meliola ardisiicola</i> Hosag. et al. <i>Meliola groteana</i> Sydow & Sydow <i>Meliola groteana</i> Sydow var. <i>maesae</i> Hosag. et al. <i>Meliola rapanae</i> Sydow var. <i>microspora</i> Hosag. & Ganesan <i>Meliola transvaalensis</i> Doidge

SNo.	Host Family	Fungal Genera	Host	Fungal Species	
66.	Myrtaceae 18	<i>Amazonia</i>	<i>Syzygium cumini</i> Skeels	<i>Amazonia syzygii</i> Hosag.	
			<i>Syzygium</i> sp.		
			<i>Asteridiella</i>	<i>Eugenia</i> sp.	<i>Asteridiella atricha</i> (Speg.) Hansf.
				<i>Eugenia fruticosa</i> Roxb.	<i>Asteridiella eugeniae-fruticosae</i> Jana et al.
		<i>Meliola</i>	<i>Syzygium claviflora</i> Roxb.	<i>Asteridiella ohiana</i> (Stev.) Hansf. var. <i>major</i> Kar & Maity	
			<i>Eugenia</i> sp.	<i>Meliola densa</i> Cooke	
			<i>Syzygium laetum</i> (Buch.-Ham.) Gandhi		
			<i>S. munroni</i> (Walp.) Chandr.		
			<i>Eugenia floccosa</i> Bedd.	<i>Meliola eugeniae-jamboloidis</i> Hansf.	
			<i>Syzygium munroni</i> (Walp.) Chandr.		
			<i>Syzygium jambos</i> (L.) Alst.	<i>Meliola eugeniae-jamboloidis</i> Hansf. var. <i>amphigena</i> Kar & Maity	
			<i>Eugenia stocksii</i> Duthie	<i>Meliola eugeniae-stocksii</i> Hosag.	
			<i>Eugenia eucalyptoides</i> F. Muell.	<i>Meliola eugeniicola</i> Stev.	
			<i>Syzygium</i> sp.	<i>Meliola gersoppaensis</i> Hosag. et al.	
			<i>Syzygium zeylanicum</i> (L.) DC.	<i>Meliola laxa</i> Gaill. var. <i>Indica</i> Hosag. et al.	
			<i>Syzygium lanceolatum</i> (Lam.) Wight & Arn.	<i>Meliola maduraiensis</i> Hosag. et al.	
			<i>Syzygium laetum</i> (Buch.-Ham.) Gandhi	<i>Meliola pulchella</i> Speg. var. <i>syzygii</i> Hosag.	
			<i>Eugenia</i> sp.	<i>Meliola rangnathii</i> Hansf.	
			<i>Syzygium</i> sp.	<i>Meliola syzygigena</i> Hosag. & Kamar.	
			<i>Syzygium benthamianum</i> (Wight ex Duthie) Gamble	<i>Meliola syzygii-benthamianii</i> Hosag. & Abraham	
<i>Psidium guajava</i> L.	<i>Meliola trichostroma</i> (Kunze) Toro				
67.	Olacaceae 2	<i>Meliola</i>	<i>Olax wightiana</i> Wall. ex Wight & Arn.	<i>Meliola olacicola</i> Hosag.	
			<i>Strombosia ceylonica</i> Gard.	<i>Meliola strombosiae</i> Hosag. et al.	
68.	Oleaceae 17	<i>Asteridiella</i>	<i>Chionanthus mala-elengi</i> (Dennst.) Green	<i>Asteridiella americana</i> Hansf.	
			(<i>Linociera malabarica</i> Wall. ex G. Don)		
		<i>Irenopsis</i>	<i>Olea dioica</i> Roxb.	<i>Asteridiella websteri</i> Hosag.	
			<i>Ligustrum neilgherrense</i> Wight	<i>Irenopsis ligustri</i> Patil & Maham.	
			<i>Jasminum</i> sp.	<i>Meliola daviesii</i> Hansf.	
			<i>Jasminum rottlerianum</i> Wall. ex A. DC.	<i>Meliola daviesii</i> Hansf. var. <i>longiseta</i> Hosag.	
			<i>Jasminum flexile</i> Vahl	<i>Meliola gemellipoda</i> Doidge	
			<i>J. malabaricum</i> Wight		
			<i>J. ozoricum</i> L.		
			<i>Olea glandulifera</i> Wall. ex. G. Don.	<i>Meliola glanduliferae</i> Hosag. et al.	
			<i>Jasminum</i> sp.	<i>Meliola jasmini</i> Hansf. & Stev.	
			<i>Jasminum sambac</i> (L.) Ait.		
			<i>Jasminum</i> sp.	<i>Meliola jasmini</i> Hansf. & Stev. var. <i>microspora</i> Hosag. et al.	
		<i>Jasminum auriculatum</i> Vatil	<i>Meliola jasminicola</i> Henn. var. <i>indica</i> Kapoor		
		<i>Meliola</i>	<i>J. rottlerianum</i> Wall. ex A. DC.		
			<i>Ligustrum walkeri</i> Roxb. ssp. <i>walkeri</i> (Decne) Green (<i>Ligustrum walkeri</i> Decne)	<i>Meliola ligustri</i> Hosag.	
			<i>Ligustrum perrottettii</i> DC.	<i>Meliola ligustriicola</i> Hosag. et al.	
			<i>Chionanthus mala-elengi</i> (Dennst.) Green	<i>Meliola linocierae-malabaricae</i> Hosag.	
			(<i>Linociera malabarica</i> Wall. ex Don)		
			<i>Olea dioica</i> Roxb.	<i>Meliola malabarensis</i> Hansf.	
			<i>Olea</i> sp.		
			<i>Ligustrum perrottetti</i> DC.	<i>Meliola mayapeae</i> Stev.	
			<i>Chionanthus ramiflora</i> Roxb. (<i>Linociera intermedia</i> Wight)		
<i>Chionanthus mala-elengi</i> (Dennst.) Green	<i>Meliola mayapiicola</i> Stev. var. <i>indica</i> Hosag.				
(<i>Linociera malabarica</i> Wall. ex G. Don)					
<i>Olea dioica</i> Roxb.	<i>Meliola oleacearum</i> Hosag.				
69.	Opiliaceae 5	<i>Meliola</i>	<i>Cansjera rheedii</i> Gmel.	<i>Meliola cansjeriae</i> Hansf. & Thirum.	
			<i>Cansjera rheedii</i> Gmel.	<i>Meliola consjeriae</i> Hansf. & Thirum. var. <i>indica</i> Hosag., Siddappa & Udaiyan	
			<i>Cansjera rheedii</i> Gmel.	<i>Meliola cansjericola</i> Hosag.	
			<i>Opilia amentacea</i> Roxb.	<i>Meliola opiliae</i> Sydow	
			<i>Cansjera rheedii</i> Gmel.	<i>Meliola opiliae</i> Sydow var. <i>singalensis</i> Hansf.	
70.	Pandanaaceae 2	<i>Meliola</i>	<i>Pandanus</i> sp.	<i>Meliola kapoorii</i> Hosag. & P.A. Raghu	
			<i>Pandanus</i> sp.	<i>Meliola pandanacearum</i> Hosag. & Abraham	
71.	Periplocaceae 3	<i>Meliola</i>	<i>Hemidesmus indicus</i> (L.) R.Br.	<i>Meliola hemidesmi</i> Kamal & Gupta	
			<i>Hemidesmus indicus</i> (L.) R. Br.	<i>Meliola hemidesmicola</i> Hosag.	
			<i>Hemidesmus indicus</i> (L.) R. Br.	<i>Meliola hemidesmicola</i> Hosag. var. <i>indica</i> Hosag. & Manoj.	
72.	Pinaceae 1	<i>Asteridiella</i>	<i>Taxus</i> sp.	<i>Asteridiella pitya</i> (Sacc.) Hansf.	
73.	Piperaceae 4	<i>Meliola</i>	<i>Lepianthes umbellata</i> (L.) Rafin	<i>Meliola lepianthedis</i> Hosag. & Kamar.	
			<i>Piper trichostachyon</i> (Miq.) DC.	<i>Meliola stenospora</i> Wint.	
			<i>Piper</i> sp.		
			<i>Piper nigrum</i> L.	<i>Meliola stenospora</i> Wint. var. <i>major</i> Hansf.	
			<i>Piper nigrum</i> L.	<i>Meliola thetei</i> Hosag.	
74.	Pittosporaceae 1	<i>Meliola</i>	<i>Pittosporum dasycaulon</i> Miq.	<i>Meliola polytricha</i> Kalch. & Cooke	

SNo.	Host Family	Fungal Genera	Host	Fungal Species
75.	Poaceae 12	Meliola	<i>Phragmatis karka</i> (Retz.) Trin. ex Steud. <i>Cymbopogon flexuosus</i> (Nees ex Steud.) Wats. <i>C. nardus</i> (L.) Rendle <i>Centotheca lappacea</i> (L.) Desr. <i>Ischaemum zeylanicum</i> Bor <i>Lophotherum gracile</i> Brongn <i>Desmostachys bipinnata</i> (L.) Stapf <i>Cyrtococcum longipes</i> (Wight & Arn. Hook.f.) Camus <i>Vetiveria zizanioides</i> (L.) Nash <i>Bambusa</i> sp. <i>Sinarundinaria microphylla</i> (Munro) C.S. Chao & Renvoize <i>Bambusa</i> sp. <i>Saccharum spontaneum</i> L. <i>Setaria</i> sp. <i>Themeda cybaria</i> Hack. <i>Themeda triandra</i> Forssk.	<i>Meliola arundinis</i> Pat. <i>Meliola cymbopogonis</i> Kapoor <i>Meliola panici</i> Earle <i>Meliola panici</i> Earle var. <i>laciacidis</i> (Toro) Hansf. <i>Meliola panici</i> Earle var. <i>macropodia</i> Hosag. & Abraham <i>Meliola panici</i> Earle var. <i>vetivericola</i> Gawande, Agarwal & Hosag. <i>Meliola phyllostachydis</i> Yamam. <i>Meliola phyllostachydis</i> Yamam. var. <i>microspora</i> Hosag. et al. <i>Meliola sacchari</i> Sydow <i>Meliola setariae</i> Hansf. & Deight. var. <i>indica</i> Patil & Mahamu. <i>Meliola themedae</i> Stev. & Rold. ex Hansf. var. <i>indica</i> Hosag. <i>Meliola themedicola</i> Hosag. et al.
76.	Polygonaceae 2	Meliola	<i>Polygonum chinense</i> L. <i>Polygonum chinense</i> L.	<i>Meliola polygoni</i> Srinivasulu <i>Meliola polygonicola</i> Hosag.
77.	Rhamnaceae 4	Amazonia Appendiculella Irenopsis Meliola	<i>Gouania microcarpa</i> DC. <i>Hovenia dulcis</i> Thunb. <i>Gouania leptostachya</i> DC. <i>Ziziphus glabrata</i> Heyne ex Roth (<i>Z. trinervia</i> Roxb.) <i>Z. rugosa</i> Lamk. <i>Z. xylopyrus</i> (Retz.) Willd.	<i>Amazonia gouaniae</i> Hosag. & Braun <i>Appendiculella hoveniae</i> Kar & Maity <i>Irenopsis tenuissima</i> (Stev.) Stev. var. <i>major</i> Kar & Maity <i>Meliola ziziphi</i> Hansf. & Thirum.
78.	Rhizophoraceae 1	Meliola	<i>Carallia integrerrhima</i> DC.	<i>Meliola anisophylleae</i> Hansf. & Deighton var. <i>caralliae</i> Hosag. et al.
79.	Rosaceae 7	Appendiculella Asteridiella Irenopsis Meliola Prataprajella	<i>Crataegus crenulata</i> Roxb. <i>Rubus calycinus</i> Don. <i>R. ellipticus</i> Smith <i>R. vulgaris</i> Meikle <i>Rubus</i> sp. <i>Rubus moluccanus sensu</i> Hook.f. <i>Pyracantha crenulata</i> Roem. <i>Rubus ellipticus</i> Smith <i>Rubus</i> sp. <i>Rubus niveus</i> Thunb. <i>Rubus micropetalus</i> Gardn. <i>R. ellipticus</i> Smith <i>Rubus</i> sp.	<i>Appendiculella calostroma</i> (Desm.) Hohnel <i>Asteridiella pygei</i> Hansf. var. <i>microspora</i> Hosag. <i>Irenopsis rubi</i> Patil & Maham. <i>Meliola rubi</i> Stev. & Rold. ex Hansf. var. <i>garhwalensis</i> (Srivastava & Topal) Hosag. & Balakr. <i>Meliola rubiella</i> Hansf. <i>Meliola rubiella</i> Hansf. var. <i>indica</i> Hosag. <i>Prataprajella rubi</i> Hosag. et al.
80.	Rubiaceae 40	Amazonia Appendiculella Asteridiella Meliola	<i>Psychotria flavida</i> Talbot <i>Canthium</i> sp. <i>Psychotria</i> sp. <i>Psychotria globicephala</i> Gamble <i>Saprosma corymbosum</i> (Bedd.) Bedd. <i>Psychotria</i> sp. Rubiaceae (<i>indet.</i>) <i>Wendlandia scabra</i> Kurz. <i>Wendlandia notianiana</i> Wall. <i>Canthium angustifolium</i> Roxb. <i>Mussaenda bellila</i> Buch.- Ham. (<i>M. laxa</i> Hook.f.) Hutch. ex Gamble <i>Neolamarkia cadamba</i> (Roxb.) Bosser <i>Canthium parviflorum</i> Lam. (<i>Plectronia parviflora</i> Bedd.) <i>C. rheedii</i> DC. <i>Canthium angustifolium</i> Roxb. <i>Canthium rheedii</i> DC. <i>Ixora parviflora</i> Vahl <i>Chassalia</i> sp. <i>Canthium parviflorum</i> Lam. <i>C. rheedii</i> DC. <i>Canthium rheedii</i> DC. <i>Hedyotis stylosa</i> R. Br. ex. Wight & Arn. <i>Psychotria</i> sp. <i>Canthium wightii</i> <i>Ixora polyantha</i> Wight <i>Ixora</i> sp. <i>Ixora coccinea</i> L. <i>I. elongata</i> Heyne <i>I. nigricans</i> R. Br. <i>Ixora coccinea</i> L. <i>Ixora</i> sp.	<i>Amazonia goosii</i> Hosag. & Abraham <i>Amazonia goosii</i> Hosag. & Abraham var. <i>microspora</i> Hosag. et al. <i>Amazonia psychotriae</i> (Henn.) Theiss. <i>Amazonia psychotriae</i> (P. Henn.) Theiss. var. <i>macrospora</i> Hosag. et al. <i>Appendiculella wendlandiae</i> Jana et al. <i>Asteridiella tarlance</i> Petrak <i>Meliola africana</i> Hansf <i>Meliola anceps</i> Sydow & Sydow <i>Meliola cadambae</i> Hosag. & C.K. Biju <i>Meliola canthii</i> Hansf. <i>Meliola canthii-angustifolii</i> Hosag. <i>Meliola canthiicola</i> Hosag. et al. <i>Meliola chandolensis</i> C.R. Patil ex Hosag. <i>Meliola chassaliicola</i> Hosag. <i>Meliola henryi</i> Hosag. <i>Meliola henryi</i> Hosag. var. <i>oldenlandiae</i> Hosag. et al. <i>Meliola hydei</i> Hosag. et al. <i>Meliola ixorae</i> Yates <i>Meliola ixorae</i> Yates var. <i>macrospora</i> Hosag. <i>Meliola ixorae</i> Yates var. <i>psychotriae</i> Hosag. & Abraham

SNo.	Host Family	Fungal Genera	Host	Fungal Species
			<i>Psychotria macrocarpa</i> Hook.f.	
			<i>Ixora coccinea</i> L.	<i>Meliola ixorae-coccineae</i> Hosag. & Pillai
			<i>Hedyotis albo-nervia</i> Bedd.	<i>Meliola kanniyakumariana</i> Hosag.
			<i>H. gamblei</i> Henry & Subram.	
			<i>Knoxia</i> sp.	<i>Meliola kanniyakumariana</i> Hosag. var. <i>brahmagiriense</i> Hosag. et al.
			<i>Knoxia sumatrensis</i> (Retz.) DC.	<i>Meliola knoxiicola</i> Hosag. et al.
			<i>Knoxia</i> sp.	
			<i>Canthium dicoccum</i> (Gaertn.) Teijsm. & Binn.	<i>Meliola longiseta</i> Hoehnel
			var. <i>umbellata</i> (Wight) Sant. & Merch.	
			<i>Mitragyna parviflora</i> Korth	<i>Meliola mitragynae</i> Sydow
			<i>Mitragyna tubulosa</i> (Arn.) Hav.	<i>Meliola mitragynae-tubulosae</i> Hosag. & Manoj.
			<i>Neanotis monosperma</i> (Wall. ex Wight & Arn.) Lewis	<i>Meliola neanotidis</i> Hosag. et al.
			<i>Hedyotis</i> sp.	<i>Meliola oldenlandiae</i> Hansf. & Stev.
			<i>Hedyotis</i> sp.	<i>Meliola oldenlandiae</i> Hansf. & Stev. var. <i>indica</i> Hosag. et al.
			<i>Morinda umbellata</i> L.	<i>Meliola palawanensis</i> Sydow
			<i>Canthium dicoccum</i> (Gaertn.) Teys & Benn.	<i>Meliola plectroniae</i> Hansf.
			(<i>Plectronia umbellate</i> Benth. & Hook.)	
			<i>Canthium rheedii</i> DC.	
			<i>Pavetta indica</i> L.	<i>Meliola psychotriae</i> Earle
			<i>Ixora coccinea</i> L.	<i>Meliola psychotriae-nudiflorae</i> Hosag.
			<i>Psychotria nudiflora</i> Wight & Arn.	
			<i>Ixora brachiata</i> Roxb. ex DC.	<i>Meliola randiicola</i> Hansf.
			<i>I. coccinea</i> L.	
			<i>Ixora elongata</i> Heyne ex G. Don.	<i>Meliola ravii</i> Hosag. et al.
			<i>Ixora arborea</i> Roxb. ex Smith	<i>Meliola tawaoensis</i> Hansf.
			<i>Ixora coccinae</i> L.	<i>Meliola twaitesiana</i> Hansf.
			<i>Tarenna asiatica</i> (L.) Sant. & Merch.	<i>Meliola weberae</i> Kapoor
			(<i>Chomelia asiatica</i> O. Kze.)	
			<i>Webera corymbosa</i> (Willd.)	
			<i>Wendlandia notoniana</i> Wall. <i>W. tomentosa</i>	<i>Meliola wendlandiae</i> Hosag.
81.	Rutaceae 26	Amazonia	<i>Acronychia pedunculata</i> (L.) Miq.	<i>Amazonia acronychiae</i> Hosag.
			<i>Melicope lunuankenda</i> (Gaertn.) T.G. Hartley	<i>Amazonia melicopecola</i> Hosag. & Abraham
			(<i>Euodia lunuankenda</i>) (Gaertn.) Merr.)	
		Asteridiella	<i>Acronychia pedunculata</i> (L.) Miq.	<i>Asteridiella acronychiae-pedunculatae</i> Hosag.
			<i>Glycosmis pentaphylla</i> (Retz.) DC.	<i>Asteridiella glycosmidis</i> Hosag., C.K. Biju & Abraham
			(<i>G. cochinchinensis sensu</i> Gamble)	
		Irenopsis	<i>Murraya koenigii</i> (L.) Spreng.	<i>Irenopsis murrayae</i> Hosag. & Rajkumar
		Meliola	<i>Atalantia wightii</i> Tanaka	<i>Meliola atalantiae</i> Hosag.
			<i>Citrus aurantifolia</i> (Christm.) Swingle	<i>Meliola butleri</i> Sydow
			(<i>C. medica</i> L. var. <i>acida</i> (Roxb.) Hook. f.)	
			<i>Citrus</i> sp.	
			<i>Toddalia</i> sp.	<i>Meliola cadigensis</i> Yates var. <i>toddaliae</i> Hosag. et al.
			<i>Glycosmis mauritiana</i> (Lam.) Tanaka	<i>Meliola cadigensis</i> Yates var. <i>glycosmidis</i> (Kapoor) Hosag.
			(<i>G. pentaphylla</i> Correa)	
			<i>G. macrocarpa</i> Wight	
			<i>Toddalia asiatica</i> (L.) Lam.	<i>Meliola canonicola</i> Hosag. & C.K. Biju
			<i>Citrus aurantium</i> L.	<i>Meliola citricola</i> Sydow & Sydow
			<i>Clausena indica</i> (Dalz.) Oliver	<i>Meliola clausenae</i> Hosag.
			<i>C. dentate</i> (Willd.) M. Roem.	
			<i>Toddalia</i> sp.	<i>Meliola devikulamensis</i> Hosag., H. Biju & A. Manoj Kumar
			<i>Luvunga sermentosa</i> (Blume) Kurz	<i>Meliola luvungae</i> Hosag.
			(<i>L. elutherandra</i> Dalz.)	
			<i>Evodia luna-ankenda</i> (Gaertn.) Merr.	
			<i>Vepris bilocularis</i> (Wight & Arn.) Engl.	<i>Meliola macropoda</i> Sydow
			<i>Paramignya armata</i> (Thw.) Oliver	<i>Meliola paramignyae</i> Hosag.
			<i>P. monophylla</i>	
			<i>Zanthoxylum ovalifolium</i> Wight	<i>Meliola rickiana</i> Hansf. var. <i>zanthoxyli</i> Hosag.
			<i>Z. ovata</i> Wight	
			<i>Toddalia asiatica</i> (L.) Lam.	<i>Meliola teclae</i> Hansf. var. <i>toddaliae-asiaticae</i> Hansf.
			<i>Murraya paniculata</i> (L.) Jack (<i>M. exotica</i> L.)	<i>Meliola tenella</i> Pat.
			<i>Atalantia monophylla</i> (L.) Correa	<i>Meliola tenella</i> Pat. var. <i>atalantiae</i> (Pat.) Hansf.
			<i>Atalantia monophylla</i> (L.) Correa	<i>Meliola tenella</i> Pat. var. <i>atalantiicola</i> Hosag.
			<i>Pamburus missionis</i> (Wight) Swingle	<i>Meliola toddaliae</i> Doidge
			<i>Toddalia asiatica</i> (L.) Lam. (<i>T. aculeate</i> Pers.)	<i>Meliola toddaliicola</i> Hansf. var. <i>indica</i> Hansf. & Thirum.
			<i>Vepris bilocularis</i> (Wight & Arn.) Engl.	<i>Meliola vepridis</i> Hosag. et al.
			<i>Zanthoxylum ovalifolium</i> Wight	<i>Meliola zanthoxyli</i> Hansf.
			<i>Z. tetraspermum</i> Wight & Arn.	
			<i>Zanthoxylum ovalifolium</i> Wight	<i>Meliola zanthoxyli-ovalifolii</i> Hosag.
82.	Sabiaceae 1	Asteridiella	<i>Meliosma simplicifolia</i> (Roxb.) Walp.	<i>Asteridiella meliosmae</i> Kar & Maity
83.	Santalaceae 3	Meliola	<i>Osyris arborea</i> Wall.	<i>Meliola osyridicola</i> Hansf.
			<i>Osyris quadriseptata</i> Salz. ex Decne	<i>Meliola osyridicola</i> Hansf. var. <i>indica</i> Hosag.
			<i>Scleropyrum pentandrum</i> (Dennst.)	<i>Meliola scleropyri</i> Hosag.
			Mabberley (<i>S. wallichianum</i> Wight & Arn.)	
84.	Sapindaceae 18	Irenopsis	<i>Nephelium longan</i> Lour.	<i>Irenopsis nephelii</i> Patil & Maham.
		Meliola	<i>Allophylus serrulatus</i> Radlk.	<i>Meliola allophyligena</i> Hosag.
			<i>Allophylus concanicus</i> Radlk. var.	<i>Meliola allophylus-concanici</i> Hosag.

SNo.	Host Family	Fungal Genera	Host	Fungal Species
			<i>lanceolatus</i> Gamble	<i>Meliola allophyli-serrulati</i> Hosag. & Abraham
			<i>Allophylus serrulatus</i> Raddlk.	<i>Meliola capensis</i> (Kalch. & Cooke) Theiss. var. <i>allophylicola</i> Hansf. & Deight.
			<i>Allophylus cobbe</i> (L.) Raeusch.	<i>Meliola capensis</i> (Kalch. & Cooke) Theiss. var. <i>dimocarpus</i> Hosag. & Manoj.
			<i>Dimocarpus longan</i> Lour.	<i>Meliola capensis</i> (Kalch. & Cooke) Theiss. var. <i>ermarginati</i> Hosag. et al.
			<i>Sapindus emerginataus</i> Vahl	<i>Meliola capensis</i> (Kalch. & Cooke) Theiss. var. <i>indica</i> Hosag. et al.
			Sapindaceae (<i>indet.</i>)	<i>Meliola capensis</i> (Kalch. & Cooke) Theiss. var. <i>malayensis</i> Hansf.
			<i>Nephelium longan</i> Lour.	<i>Meliola capensis</i> (Kalch. & Cooke) Theiss. var. <i>schleicherae</i> Hosag. & Pillai
			<i>Schleichera oleosa</i> (Lour.) Oken	<i>Meliola capensis</i> (Kalch. & Cooke) Theiss. var. <i>commixta</i> Sydow
			<i>Nephelium longan</i> Lour.	<i>Meliola dimocarpus</i> Hosag. & Abraham
			<i>Dimocarpus longan</i> L.	<i>Meliola filicii</i> Hosag.
			<i>Filicium decipiens</i> (Wight & Arn.) Thw.	<i>Meliola filiciicola</i> Hosag. et al.
			<i>Filicium decipiens</i> (Wight & Arn.) Thw.	<i>Meliola nephelii</i> Sacc. var. <i>singalensis</i> Hansf.
			<i>Allophylus serrulatus</i> Radlk.	<i>Meliola otonephellii</i> Hosag.
			<i>Otonephelium stipulaceum</i> (Bedd.) Radlk.	
			(<i>Nephelium stipulaceum</i> Bedd.)	
			<i>Lepisanthes senegalensis</i> (Juss. ex Poit.) Leenh.	<i>Meliola otophorae</i> Yates var. <i>indica</i> . Hosag. & Ravikumar
			<i>Sapindus laurifolia</i> Vahl	<i>Meliola serjaniae</i> Stev. var. <i>major</i> Hansf.
85.	Sapotaceae 2	Asteridiella	<i>Madhuca longifolia</i> (L.) Macbr. var. <i>latifolia</i> (Roxb.) A. Chev.	<i>Asteridiella sapotacearum</i> Hansf.
		Meliola	<i>Isonandra lanceolata</i> Wight forma <i>anfractuosa</i> (Clarke) Jeuken	<i>Meliola jayachandranii</i> Hosag.
86.	Scrophulariaceae 1	Meliola	<i>Torenia travancorica</i> Gamble	<i>Meliola toreniae</i> Hosag.
87.	Simaroubaceae 3	Meliola	<i>Ailanthus triphysa</i> (Dennst.) Alston	<i>Meliola ailanthi</i> Sharma et al.
			<i>Picrasma javonica</i> Blume	<i>Meliola picrasmae</i> Hansf. var. <i>nagalensis</i> Jana et al.
			<i>Samadera indica</i> Gaertn. (<i>Quassia indica</i> (Gaertn.) Nooteboom)	<i>Meliola samaderae</i> Hosag. et al.
88.	Smilacaceae 4	Meliola	<i>Smilax zeylanica</i> L.	<i>Meliola gamblei</i> Hosag.
			<i>Smilax zeylanica</i> L.	<i>Meliola salleana</i> Hansf. var. <i>smilacis</i> Hosag.
			<i>Smilax</i> sp.	<i>Meliola smilacacearum</i> Hosag.
			<i>Smilax</i> sp.	<i>Meliola smilacis</i> Stev.
89.	Solanaceae 1	Meliola	<i>Solanum giganteum</i> Jacq.	<i>Meliola mahabaleshwarsensis</i> Srinivasulu
90.	Staphyleaceae 2	Meliola	<i>Turpinia</i> sp.	<i>Meliola staphyleacearum</i> Hosag.
		Prataprajella	<i>Turpinia malabarica</i> Gamble	<i>Prataprajella turpiniicola</i> (Hosag.) Hosag.
91.	Sterculiaceae 9	Asteridiella	<i>Sterculia urens</i> Roxb.	<i>Asteridiella anamalaiana</i> Hosag.
			<i>Herietaria littoralis</i> Drynand	<i>Asteridiella heritiericola</i> (Thite & Patil) Hosag.
		Irenopsis	<i>Eriolaena quinquelocularis</i> (Wight & Arn.) Wight	<i>Irenopsis eriolaenae</i> Hosag.
			<i>Helicteres isora</i> L.	<i>Irenopsis helicteridis</i> Hosag.
			<i>Pterospermum diversifolium</i> Blume	<i>Irenopsis tjobodensis</i> Hansf.
		Meliola	<i>Pterygota alata</i> (Roxb.) R. Br.	<i>Meliola pterigotae</i> Hosag. et al.
			<i>Pterospermum reticulatum</i> Wight & Arn.	<i>Meliola pterospermis</i> Stev. var. <i>microspora</i> Hosag. & Raghu
			<i>Reevesia pubescens</i> Mast.	<i>Meliola reevesiae</i> Maity
			<i>Sterculia</i> sp.	<i>Meliola sterculiacearum</i> Hosag. & Kamar.
92.	Stilaginaceae 2	Asteridiella	<i>Antidesma alexiteria</i> L.	<i>Asteridiella antidesmaticola</i> Hosag. & Abraham
		Meliola	<i>Antidesma zeylanica</i> Laun. (<i>Antidesma alexiteria</i> L.)	<i>Meliola vivekananthanii</i> Hosag. et al.
93.	Strychnaceae 4	Meliola	<i>Strychnos nux-vomica</i> L.	<i>Meliola cannonii</i> Hosag.
			<i>Strychnos nux-vomica</i> L.	<i>Meliola gamsii</i> Hosag. & Shiburaj
			<i>Strychnos</i> sp.	<i>Meliola strychnacearum</i> Hosag. & Abraham
			<i>Strychnos</i> sp.	<i>Meliola strychnigena</i> Hosag. & Manoj
94.	Styracaceae 1	Meliola	<i>Styrax serrulatum</i>	<i>Meliola kweichowensis</i> Hansf. var. <i>uncinata</i> Kar. & Maity
95.	Symphoremataceae 1	Meliola	<i>Symphorema involucreatum</i> Roxb.	<i>Meliola symphorematicola</i> Hosag. et al.
96.	Symplocaceae 3	Amazonia	<i>Symplocos</i> sp.	<i>Amazonia karnatakensis</i> Hosag. & Manian
		Meliola	<i>Symplocos cochinchinensis</i> (Lour.) Moore ssp. <i>laurina</i> (Retz.) Nooteboom	<i>Meliola symplocicola</i> Yamam.
			<i>Symplocos</i> sp.	<i>Meliola vittalii</i> Hosag. et al.
97.	Theaceae 8	Amazonia	<i>Gordonia</i> sp.	<i>Amazonia gordoniicola</i> Hosag.
		Appendiculella	<i>Gordonia obtusa</i> Wall. ex. Wight & Arn.	<i>Appendiculella shettyi</i> Hosag. et al.
			<i>Gordonia</i> sp.	
			<i>Gordonia obtusa</i> Wall. ex. Wight & Arn.	<i>Appendiculella vivekananthanii</i> Hosag. et al.
			<i>Gordonia</i> sp.	
		Asteridiella	<i>Thea sinensis</i> L.	<i>Asteridiella theae</i> Patil & Maham.
		Irenopsis	<i>Gordonia</i> sp.	<i>Irenopsis gordoniae</i> Hosag. et al.
		Meliola	<i>Gordonia obtusa</i> Wall. ex Wight & Arn.	<i>Meliola gordoniae</i> Hosag.
			<i>Thea sinensis</i> L.	<i>Meliola emespatilii</i> Hosag. et al.
98.	Thymeleaceae 1	Irenopsis	<i>Gnidia glauca</i> (Fresen.) Gilg [<i>Lasiosiphon</i>	<i>Irenopsis mysorensis</i> Hansf. & Thirum.

SNo.	Host Family	Fungal Genera	Host	Fungal Species
			<i>eriocephalus</i> (Meisner) Decne]	
99.	Tiliaceae 6	Asteridiella	<i>Grewia subinaequalis</i> DC. (<i>Grewia asiatica</i> sensu Mast.)	<i>Asteridiella grewiae</i> C.R.Patil ex Hosag.
		Irenopsis	<i>Grewia</i> sp. <i>Triumfetta bartramia</i> L. <i>T. rhomboidea</i> Jacq <i>T. pilosa</i> Roth <i>Triumfetta</i> sp.	<i>Irenopsis coimbatorica</i> Hosag. et al. <i>Irenopsis triumfettae</i> (Stev.) Hansf. & Deight.
		Meliola	<i>Grewia teliaefolia</i> Vahl <i>Microcos paniculata</i> L. (<i>Grewia microcos</i> L.)	<i>Irenopsis triumfettae</i> Stev. var. <i>indica</i> Hosag. & Abraham <i>Meliola grewiae</i> Hansf. var. <i>longispora</i> Hosag. & Raju <i>Meliola thirumalacharii</i> Hosag. & Rajendran
100.	Toricelliaceae 1	Meliola	<i>Toricellia tiliaefolia</i> DC.	<i>Meliola toricelliae</i> Kar. & Maity
101.	Ulmaceae 2	Asteridiella	<i>Trema orientalis</i> (L.) Blume	<i>Asteridiella tremae</i> (Speg.) Hansf.
		Meliola	<i>Celtis cinnamomea</i> Lindley ex Planchon	<i>Meliola celtidicola</i> Yates var. <i>indica</i> Patil & Mahamulk.
102.	Urticaceae 2	Asteridiella	<i>Oreocnide integrifolia</i> (Gaud. ex Wedd.) Miq.	<i>Asteridiella oreocnidecola</i> Hosag.
		Irenopsis	<i>Boehmeria platyphylla</i> D. Don.	<i>Irenopsis boehmeriae</i> Gosh et al.
103.	Vacciniaceae 5	Amazonia	<i>Vaccinium leschenaultii</i> Wight var. <i>zeylanica</i> Clarke <i>Vaccinium</i> sp.	<i>Amazonia kakachiana</i> Hosag.
		Appendiculella	<i>C. Vaccinium leschenaultii</i> Wight	<i>Amazonia vaccinii</i> Hosag. et al. <i>Appendiculella vacciniorum</i> Hosag. et al.
		Asteridiella	<i>Vaccinium neilgherrense</i> Wight	<i>Asteridiella vacciniicola</i> Hansf.
		Irenopsis	<i>Vaccinium leschenaultii</i> Wight	<i>Irenopsis vaccinii</i> Hosag. et al.
104	Verbenaceae 11	Asteridiella	<i>Stachytarpheta jamaicensis</i> (L.) Vahl <i>Clerodendrum viscosum</i> Vent. <i>Callicarpa tomentosa</i> L. <i>Premna</i> sp. <i>Clerodendrum viscosum</i> Vent	<i>Asteridiella callista</i> (Rehm) Hansf. <i>Asteridiella clerodendricola</i> Hosag. <i>Asteridiella formosensis</i> (Yamam.) Hansf. <i>Asteridiella depokensis</i> Hansf. <i>Asteridiella vivekananthanii</i> Hosag.
		Meliola	<i>Vitex altissima</i> L. <i>Clerodendrum viscosum</i> Vent. <i>Gmelina asiatica</i> L.	<i>Meliola altissimae</i> Hosag. <i>Meliola clerodendricola</i> Henn. <i>Meliola clerodendricola</i> Henn. var. <i>micromera</i> (Sydow & Sydow) Hansf.
			<i>G. arborea</i> Roxb. <i>Vitex leucoxylo</i> L.f. <i>Clerodendrum serratum</i> (L.) Moon	<i>Meliola cookeana</i> Speg. <i>Meliola cookeana</i> Speg. var. <i>viticis</i> Hansf. (<i>M. castlerockensis</i> Srivasulu)
			<i>Premna glaberrima</i> Wight	<i>Meliola premnicola</i> Hosag.
105	Vitaceae 2	Meliola	<i>Vitis</i> sp. <i>Vitis</i> sp.	<i>Meliola furcata</i> Lev. <i>Meliola vitis</i> Hansf.
106	Xanthophyllaceae 1	Irenopsis	<i>Xanthophyllum flavescens</i> Roxb.	<i>Irenopsis xanthophylli</i> Hosag.

Verbenaceae and Asclepiadaceae (11 taxa each), Moraceae (10 taxa). Rest of the families represent less than this number. This reveals that the members of these families are more compatible or susceptible to the black mildew fungi than other members.

Of the ten biogeographical regions of India, Trans Himalayan, Desert, Semi Arid and Coastal vegetation (Mangroves) are devoid of these fungi. The Western Ghats and North-East India are very rich in biodiversity. In proportion to 4000 Phanerogams in the Western Ghats, more than 400 meliolas are known. However, from north-east India, only 6 are known. No doubt this region also must be rich in meliolas and the poor representation could be due to inadequate survey and taxonomic study of the group in the area.

These fungi infect variety of plants, viz. exotics, introduced for the afforestation programmes (Hosagoudar et al. 2002; Archana & Hosagoudar 2006), plantation crops (Hosagoudar & Abraham 2000), medicinal plants (Hosagoudar 2003), endemics (Hosagoudar 2003), economically important plants, plants of non-wood forest produce, wild edible plants, commercially timber yielding plants (Hosagoudar 2006 a,b,c, etc.). The study of the occurrence of these fungi on the sacred groves has also been conducted as a case of reference (Hosagoudar et al. 2005).

These fungi infect both wild and cultivated plants but more on wild. However, the infection is also noticed on wild relatives

of present day's cultivars viz. *Vigna* spp., *Mangifera andamanica*, etc. These fungi are host specific but still there is a both specific and generic host range.

Most of the fungi are restricted in their distribution to their biogeographical regions. However, *Asteridiella malloti* (Hansf. & Thirum.) Hansf., *Meliola bauhinicola* Yamam, *M. chandleri* Hansf., *M. heudelotii* Gaill., *M. maredumilliana* Hosag. & Mohanan, *M. mayapeae* Stev. and, *M. opiliae* Sydow are known from the Western Ghats and Eastern Ghats (Deccan Plateau) in the peninsular India; *Meliola butleri* Sydow, *M. malacotricha* Speg., *M. mitragynae* Sydow and *M. tabernaemontanicola* Hansf. & Thirum. are known from Western Ghats and Himalayan region, *Meliola simillima* Ellis & Everh. var. *major* Hansf. and *M. taraoensis* Hansf. are common to Eastern Ghats and Himalayan region; *Meliola mangiferae* Earle is common to Western Ghats and Andaman Islands. This indicates that although endemism is very prevalent among these, there are, however some with wide geographical distribution.

These fungi are predominantly on forest plants but are not uncommon on plantation crops like Mango, Cinnamomum, Cashew, Wattles, etc. (Hosagoudar & Balakrishnan 1995; Hosagoudar & Abraham 2000).

A maiden venture on certain pockets of the forest plants yielded several novelties. Hence, the nature convinces us that we are in the beginning stage in understanding of the microbes.

Key to the families of the order meliolales

1. Hyphae with phialides; asci clavate; ascospores 3-4 septate.....**Meliolaceae**
1. Hyphae without phialides; asci cylindrical to sub cylindrical, ascospores 1-2 septate.....**Armatellaceae**

Key to the genera of the family armatellaceae

1. Ascospores uniseptate at maturity, septum almost median.....**Armatella**
1. Ascospores 2-septate at maturity, septa at the distal ends**Basavamyces**

Key to the genera of the family meliolaceae

1. Appressoria partly ectophytic and partly endophytic.....**Ectendomeliola**
1. Appressoria ectophytic only.....2
2. Mycelium with setae.....**Meliola**
2. Mycelium without setae.....3
3. Perithecia flattened with radiating cells **Amazonia**
3. Perithecia globose.....4
4. Perithecial setae, repent setae and appendages present.....5
4. Perithecial setae, repent setae and appendages absent.....**Asteridiella**
5. Perithecial setae present but devoid of repent setae and appendages.....**Irenopsis**
5. Not so.....6
6. Only perithecial appendages present.....**Appendiculella**
6. Both perithecial appendages and repent setae present.....**Prataprajella**

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