New records of Lignicolous fungi from Krishna District, Andhra Pradesh, India

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Abstract

Lignicolous fungi include many wood decay fungi. Studies on molds and decay fungi are necessary to enable us to control their growth on wood and wood products. A survey was undertaken during 2012-2013 to detect the various lignicolous fungi in Andhra Loyola College, Vijayawada and Krishna District, Andhra Pradesh. In a recent study, lignicolous fungi were collected from living trees and fallen branches from Andhra Loyola College, Vijayawada, India. On the basis of occurrence Coriolopsis aspera (Junghuhn) Teng. Fulvifomes nilgeriensis (Montagne) Bondartseva & S. Herrera, Ganoderma australe (Fr.) Pat., G. lucidum (Curtis) P. Karsten, Hexagonia apiaria (Pers.) Fr. Phellinus linteus (Berk. & Curt.) Teng. Trametes cingulata Berk. Hook., T. cotonea (Pat. & Har.) Ryv. T. gibbosa (Pers.) Fr. Schizophyllum commune Fr. were reported from Krishna district for the first time. F. nilgeriensis (Montagne) Bondartseva & S. Herrera is recorded for the first time from India. Even though being preliminary, our results point to the necessity of conservation and protection of recent fungal diversity but, in our opinion, not by making so-called “Red list of endangered species”, which, due to the lack of information and very poor evidence on this group of organisms in the region under the consideration, are extremely unreliable and therefore disputable, but rather through the very short list of few not endangered species, conditionally called “White list of not endangered fungal species”, if such species recently exist at all.

Keywords: New records; Lignicolous fungi; White list; Andhra Pradesh; India

1. Introduction

Lignicolous fungi belonging to Aphyllophorales are important in the forest ecosystem as they are active decomposers of organic matter, causing diseases in living trees of forest (Natarajan and Kolandavelu 1998). They can be a valuable resource for few pharmaceuticals, food production, bioremediation of toxic chemical spills (Kirk et al. 1992a). The Fe nanoaprticles were mycosynthesized by lignicolous fungi like Pleurotus sp. Many other
nanomaterials like nanoscale zeolites, metal oxides, carbon nanotubes and fibers, enzymes, bimetallic nanoparticles (BNPs), and titanium dioxide was most widely used in nanoremediation (Nagadesi et al. 2013). The list of southern Indian fungi compiled by Rangaswami and co-workers (1970) includes 44 polyporoid species belonging to 13 genera of which only 5 are from Kerala. More recently Natarjan and Kolandavelu (1985) described some resupinate Aphyllophorales from Tamil Nadu region and this includes the poroid members Inonotus polymorphus (Rostk.) Pilat, Phellinus allardii (Bres.) Ryv., P. umbrinellus (Bers.) Ryv. and P. purpureo-gilvus (Petch) Ryv. the most recent work on polyporaceae of India is by Roy and De (1996) which gives a record of only six polypores from Kerala.

The Central Indian fungus was first reported by Sabnis and Amin (1992) from Sardar Sarovar ENVIRONS in Gujarat. Bakshi (1971) reported Polyporus luteo-umbrinus Romell on ground attached to buried wood or root and dead leaves of Heritiera minor in Baroda. Arya (2004) reported Ganoderma lucidum (Fr.) Ryv., Phellinus nilgheriensis (Mont) Cunn, Trametes cingulata Fr. and T. varians Van der Bij. from Baroda and Shoolpaneshwar wildlife sanctuary. Arya et al. (2008) reported that Lenzites stereoidea was recorded for the first time on T. grandis. Two other basidiomycetous fungi N. floccosa and C. aspera are reported for the first time from India by them. The wood deteriorating fungi were collected from Ratanmahal Wildlife Sanctuary (RWLS) during October 2006 to January 2011. More than 50 samples of basidiocarps were collected in which 36 samples were identified, Aurificaria indica var. indica var. nov, and Microporus affinis var. glariceps var. nov are new varieties to India and four members i.e. Fomitopsis cupreorosea (Berkeley) J. Carranza & Gilbertson, Ganoderma curtisii (Berk.) Murrill., Microporus alboater (Hennings) Kuntze and Phellinus shaferi (Murr.) Ryv. are new reports for India (Nagadesi and Arya 2014).

In India Phellinus was studied by Bagchee (1950, 1961), Bakshi (1955, 1976), Ganesh and Leelavathy (1986), Natarajan and Kolandavelu (1998), Roy (1979), Sharma (1995, 1999a) Singh (1966) and Thind and Dhanda (1980a), Three hundred and sixty seven Phellinus spp. have been reported in the CBS (http://www.punenvis.nic.in/bd_list.htm). Fifty-three species have been already reported from India (Sharma 1999a). Eighteen species have been reported from Kerala (Ganesh and Leelavathy, 1986). A few species of Phellinus was reported from Gujarat i.e. Phellinus nilgheriensis (Mont.) Cunn. by Arya (2004).

2. MATERIALS AND METHODS

2.1. Survey of Krishna District

Vijayawada is famous for educational facilities. By 1950, 5 degree colleges were established in Vijayawada. It is presently a hub of residential Schools, Corporate Junior colleges. Presently we have more than 20 engineering colleges and 4 medical colleges with in radius of 15 km from Vijayawada. It is also a city known for its busy commercial activity.

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is called as the Venice of the east. River Krishna flows through the city. It has the privilege of
having the famous Krishna dam built across the river in the year 1854 by captain Orr and Sir
Arthur Cotton. The city has several historical monuments such as Mughalrajpuram cave, 
Akkanna madanna cave, Buddha and Jain monuments, Bhavani islands Gunadala Mary
Matha shrine, and the famous Undavalli caves are located on the south bank of the river.

Andhra Loyola College was founded in December 1953 and established in 1954. Today
it is one of the premier institutions of higher learning in southern India. It spread over a
spawling campus of 100 acres with gothic structures in the heart of Vijayawada city. The
different plants like Peltophorum, Ficus bengalensis Dalbergia sissi, Polyalthia longifolia, 
P. pendula, Eucalyptus, Syzygium commune and Albezia lebica were planted at the starting of
the college so the age of the plants is around 50 years. Recently teak plantation is done which
is having the age around 2 to 3 years. Different medicinal plants are preserved in herbal
garden and Santalam album is also present in Botanical garden maintained by the college.
Different lignicolous fungi were found associated 50 years of age old plants so the fungi were
collected and identified and their taxonomical details are described.

2.2. Identification Of Fungi

Materials were collected in clean polythene bags from different locations and brought
to the laboratory. The specimens were examined for external and internal morphology. For
external morphology the materials was observed for colour, texture, type of attachment to
host, pore morphology, dissepiments characters; margin, hymenial and pileal surface of
basidiocarps and for internal morphology (presence/absence of structures, dimensions,
vegetative and reproductive characters (Ryvarden 1991). To observe basidia and setae, free
hand sections were taken. For the clear observation of setae, trammel setae and setal hyphae,
lacto phenol cotton blue was used as staining and mounting medium. For amyloid and non-
amyloid reaction, spores were treated with iodine solution which turns blue. Xanthochoric
reaction was also tested using potassium hydroxide solution. Microphotographs were taken
by using Lyica trinocular microscope with canon digital camera attachment.

The measurements of hyphae, basidia, cystidia, setae, spores and cutis elements etc
were taken by using objective micrometer. Dimensions of microscopic characters are given in
micrometer. The various details of specimens were compared with Hymenochaetaceae of
India (Sharma 1995) Indian Polyporaceae (Bakshi 1971), CBS Aphylophorales database,
New Zealand Fungi database, and Species Fungorum, (Sep. 2005). Certain specimens were
sent to the Forest Research Institute, Dehradun for final confirmation. These fungi were kept
in fungal collection of Botany Department of Andhra Loyola College, Vijaywada, Krishna
District, Andhra Pradesh, India.

3. RESULTS AND DISCUSSIONS

3.1. Coriolopsis aspera (Junghuhn) Teng. 1963, Chung- Kuo Ti Chen-Chun: 759

Basionym: Trametes aspera, Polyporus asper Jungh

Fruit body (Fig. III. A) annual, imbricate forming a cluster on branches of Casurina.
Basidiocarp 6 cm long and 5.5 cm wide 0.5 cm thick. Yellowish to brown in colour, upper
pileus hairy, margin rounded but not completely smooth, it is deflexed. Pore surface darker
than context, pore round 3-4 per mm, fungal tissue turning black in KOH. Body shows very
light coloured growth zones (Fig. III. A). Hyphal system trimitic, binding hyphae irregular in
outline, strongly branched. Spores cylindrical 9 - 10 x 3 - 4.4 μm, hyaline, thin walled and non-amyloid.

Habitat: Found on the dead wood of *Casurina equisitifolia*, from Ramarajaya nagar, Krishna district, Andhra Pradesh, collected by N. Praveen Kumar, Accession no: ALC 7. 8-10-2012.


Sporophore sessile, fan shaped, hard on drying 5.5 – 6.0 x 3.5 – 4.5 x 0.5 cm, upper surface yellowish brown in young and black in old, soft, concentrically zoned, rugulose, context deep brown and shining (Fig. II. C.), lower surface yellowish brown, pores very minute, uniform, almost round, 110-130 μm wide, dissepiments 35-70 μm thick (Fig. II. D.). Spores 4 - 4.5 x 3.3 - 3.5 μm, yellow brown, ellipsoid, obtuse, smooth, very abundant. Setae 30-45 x 812 µm, ventricose, very thick-walled, acute, straight or curved, very sparse. Hyphal system dimitic, without clamps; skeletal hyphae in the flesh 3.5-5.5 (-6) μm wide, rather distantly septate, with yellow brown walls -1 μm thick, unlimited, here and there branched, a thin-walled generative hyphae 2-3 μm wide, not with Y-branching; generative hyphae 1.5-3.5 μm wide; dissepiments similar, with skeletals 2.5-4 μm wide, not agglutinated. Crust in the flesh at the base of the tomentum 20-30 μm thick at c. 10 mm from the margin of the pileus.


The hyphal construction is that which is usually described as *Inonotus*. According to Ryvarden and Johansen (1980), the species lacks setae and had, in this way, been confused by Cunningham with *P. extensus*. However, I certainly found typical setae, though they were very sparse, and they were considerably larger than in *P. extensus* (10-25 x 5-9 μm), as given by Ryvarden (2004).

Because of the uncertainties about the living features of the fungus, I describe the following two varieties which, microscopically, can scarcely be separated as species. They agree in the sessile tomentose pileus with a crustaceous layer at the base of the tomentum, the short tubes, small pores, small yellow aguttate spores, the very sparse and more or less curved setae, the hyphal system dl to d2 without Y-branching of the skeletals, and the non-agglutinate dissepiments. Thus, this species combines the characters of *Inonotus*, *Phellinus* and *Phyllopora*. An Indian collection, namely Carmichael Medical College n. 1228, from the neighbourhood of Cuttaka, determined as *Polyporus nilgheriensis* by S.R. Bose, may be *Coltricia sideroides* or an unnamed species of that genus. It has a matt pleuropodal pileus without a crust, pores 130-160 μm wide, yellow brown spores 55.5 x 4.5 μm, coltricioid hyphae, and more or less agglutinated dissepiments.


Basionym: *Polyporus australis* Fr. Elenchus Fungorum 1: 108, 1828
*Fomes australis* (Fr.) Cke., Grevillea 14: 18, 1885.
Hymenophore perennial, solitary, firm and woody, attached by a lateral base. Pilei applanate, 7-30 cm wide, 5-20 cm radius, 2-11 cm thick; pileus surface brown (Fig. I C.), concentrically sulcate; cortex 1-8 mm thick, black, shining, hard, brittle, of densely intertwined cemented hyphae, rimose, fissures developing both laterally and vertically; margin obtuse, even, concolorous; hymenial surface grayish brown, even, with a sterile border 2-10 mm wide. Pores vaguely stratose, 2-7 mm long in each layer, 3-4 per mm, 150-300 µm diameter; dissepiments 100-150 µm thick, equal, apices finely velutinate (Fig. I. D.). Context occupying about one-third of the pilei, chocolate, zoned, of densely intertwined hyphae; skeletal hyphae to 6 µm diameter, walls thickened, fuscous; binding hyphae to 6 µm diameter, freely branched, aseptate, lumena almost capillary, walls fuscous; generative hyphae to 3 µm diameter, branched, septate, walls 0.2 µm thick, hyaline. Hymenial layer to 20 µm deep, a close palisade of basidia and paraphyses, soon collapsing. Basidia clavate, 10-14 x 9-11 µm, bearing 2-4 spores; sterigmata arcuate, to 4 µm long. Paraphyses clavate, 8-12 x 7-10 µm. Spores elliptical or ovate, 11-13 x 6-9 µm, walls coarsely punctate, appearing verruculose with spines often in striae, to 2 µm thick, apices sometimes truncate, yellow-brown.

Habitat: Found on the living trees of Syzygium cumini, from Andhra Loyola College, Krishna district, Andhra Pradesh, collected by N. Praveen Kumar, Accession no: ALC 2. 27-9-2012.

It was found on deciduous wood of Pan tropical and common in East Africa. Because it has long-lived and large fruit bodies it is conspicuous and is frequently collected by Ryvarden and Johansen in 1980. Bark and decorticated wood of dead standing trunks and stumps, associated with a white rot. Found in East and West Indies, North and South America, Australia, Tasmania, New Zealand (Cunningham 1965).

3. 4. *Ganoderma lucidum* (Curtis) P. Karsten  *Rev. Mycol. (Toulouse)* 3(9): 17, 1881

Basionym: *Boletus rugosus* Jacquin, Flora Austriaca 2: 44, f. 169, 1774

= *Boletus lucidus* W. Curtis, Flora londinensis f. 4, pl. 224, 1781 (typus iconog.).


Basidiocarp (basidioma) annual, long mesopode in buried wood, generally thick, up to 20 mm, pileus subplane, up to 160 mm across; stipe up to 100-120 mm long, 10-30 mm thick; upper surface and stipe shiny, lacquered, blackish-brown, irregularly humped (Fig. I. E.); margin and pore surface white when growing, tawny with age. Cutis thin, a fraction of 1 mm, context from russet near the tube layer to white for the major part (Fig. I. F.); context white with concentric lines of various shades; tubes monolayered, up to 15 mm long, russet, concolorous with lower part of context. the melanoid substances are easily saponified by KOH; Skeletal Hyphae brown in the coloured parts of the context, nearly hyaline or hyaline close to cutis, 3-4 µm wide, sparsely ramified, subparallel to intertwining, especially in the less coloured parts of the context, no binding hyphae. Pores circular to irregular, 100-430 µm diam., with dissepiments usually relatively thin, 10-320 µm thick; distance between axes of pores ±260 µm. Basidiospores ovoid, double-walled, epispore thin, ovoid, hyaline; endospore thick, ovoid, with usually a small part of the apex brown, bearing relatively few long and thick echinules that support the epispore, 8-13 x 5,5-9 µm.

Habitat: Found on the living trees of Syzygium cumini from Andhra Loyola College, Krishna district, Andhra Pradesh, collected by N. Praveen Kumar, Accession no: ALC 2. 27-9-2012.
It was found on Angiosperms and Gymnosperms like *Quercus* sp., *Quercus Ilex*, *Ligustrum vulgare*, *Carpinus betulus*, *Fagus sylvatica*, *Corylus avellana*, *Populus alba*, *Prunus insititia*, *Picea* sp., *Taxus* sp., *Larix* sp., and *Abies* sp. It causes Butt rot and lethal root disease of many tree species. It was observed throughout the temperate zones of the northern hemisphere, from the Pacific shores of the USA and Canada, through temperate Europe to the Pacific shores of Asia and Japan. Also in the mountains of Central Africa above the 1500 m level (Steyaert, 1975).

### 3.5. *Hexagonia apiaria* (Pers.) Fr. 1838, Epicrisis Systematis Mycologicii: 498

**Basionym:** *Polyporus apiarius* Persoon 1827.

Fruit body annual, solitary, sessile with smooth margins, 2.8 x 1.1 cm and 4 mm thick, corky. Pileus circular, light brown to dark cinnamon coloured (Fig. III. B). Pores hexagonal, larger in the centre (Fig. III. C). Hyphal system trimitic, generative hyphae hyaline, septate and with clamp connections, 1.5 - 2.2 μm wide. Binding hyphae thick walled, skeletal hyphae dominating in the basidiocarp, yellowish to pale rusty brown, unbranched. Basidia clavate, cystidioid hyphae projecting into hymenium. Basidiospores not seen.

Habitat: Found on the living trees and fallen branches of *Peltophorum* from Andhra Loyola College, Krishna district, Andhra Pradesh, collected by N. Praveen Kumar, Accession no: ALC 15. 27-9-2012.


**Basionym:** *Polyporus linteus* Berk. & Curt., Proc. Amer. Acad. (Boston) 4:122, 1860 (K).


Fruitbody perennial, solitary, pileate broadly to more narrowly attached, rigid and woody hard when dry. Pileus dimidiate, ungulate, up to 10 cm wide, 18 cm broad and 6 cm thick near the base, upper surface first finely velvety tomentose, dark reddish-brown, concentrically zoned and sulcate, later glabrous. Margin thick and entire, usually pale (Fig. I. A). Pore layer dark reddish-brown, round, 6-8 per mm, dissepiments fairly thin and entire, tubes greyish brown, distinctly stratified, each layer up to 15 mm thick, separated by a thin context layer (Fig. I. B). Context reddish-brown, fibrous shiny, darkening in KOH, up to 20 mm thick. Hyphal system dimitic, generative hyphae hyaline, thin walled, branched, 2-3.5 μm wide, skeletal hyphae yellowish, thick-walled, unbranched, 4-5.5 μm wide. Setae ventricose, dark brown, variable, mostly 15-30 μm long, but a few also measured up to 35 μm, 4-9 μm wide, usually abundantly present. Spores globose, rusty brown in maturity, 4-5.5 x 3.5-5 μm, slightly thick-walled.

Habitat: Found on the living trees of *Peltophorum* from Andhra Loyola College, Krishna district, Andhra Pradesh, collected by N. Praveen Kumar, Accession no: ALC 1. 27-9-2012.

Found on angiosperms and observed in pantropical. According to Lowe (1957) widespread in tropical America. In Africa we have examined specimens from Ethiopia, Tanzania, Kenya and Zaire besides one collection from India (Punjab Univ. Herb. 6168).


Fruitbody perennial, solitary, fused laterally, connate rows of fruitbodies, applanate, semicircular with a contracted base, up to 8 cm wide and 9 cm long, 2-10 mm thick at the base, coriaceous when dry. Pileus first finely velvety, but soon becoming glabrous,
semiglossy, whitish, concentric zones which may be slightly sulcate, margin usually persistently whitish, thin, round, entire and only slightly lobed. Pore surface flat, ochraceous, shiny, pores round and regular, 4-6 per mm, fairly thick-walled, tubes up to 4 mm deep, non-stratified. Context cream, 1-4 mm thick, yellow in KOH, the upper greyish layer very thin and not present as a distinct cuticle (Fig. II. A). Hyphal system trimitic, generative hyphae clamped, hyaline and thick-walled, 1-3 µm in diameter, skeletal hyphae abundant in the whole fruitbody, yellow and thick walled, in the context especially golden and solid, 3-6 µm wide, often with simple secondary septa, binding hyphae also frequent, thick-walled to almost solid in the context, hyaline to yellow, 1-4 µm wide, tapering towards the ends, slightly irregular and moderately branched. Cystidia none. Spores broadly ellipsoid, 5-6.5 x 3.5-4 µm, smooth, hyaline and non-amyloid.

Habitat: Found on the dead wood of *Casurina equisitifolia*, from Ramarajaya nagar, Krishna district, Andhra Pradesh, collected by N. Praveen Kumar, Accession no: ALC 4. 2-10-2012.

Found on deciduous wood, often on decorticated trunks in open and sunny localities. Observed throughout Asia and Africa where it is common in the continent south of Sahara. *T. cingulata* is usually easy to recognize because of the sooty black colours on the glabrous, often concentrically sulcate, pileus. There is no cuticle and the colour is restricted just to a somewhat crumbly layer of hyphae. The spores obtained from our sporeprints are slightly larger than those reported by Westhuizen (op.cit.) Ryvarden and Johansen 1980.


Fruitbody annual, mostly resupinate effused with elongated pilei along the upper edge single or as fused rows of semicircular pilei, broadly attached without decurrent resupinate parts, pilei often imbricate, single pilei up to 6 cm wide and 5-6 cm long, papery thin and flexible, up to 3 mm thick at the base. Pileus flat, undulating, creamish white, first finely velutinate, but soon glabrous and dull, usually concentrically sulcate in variable zones, often also radially furrowed, striate, Margin thin, acute and wavy. Pore surface cream, pores first round and thick-walled, 3-4 per mm, often slightly radially elongated, dissepiments entire, tubes up to 2 mm long, sterile margin 1-4 mm broad (Fig. II. B). Context cream, cottony, 0.5-1 mm thick. Hyphal system trimitic, generative hyphae clamped, hyaline and thin-walled, 1-3 µm in diameter, often strongly branched in the hymenium, up to 4 µm wide in the pilear tomentum. Skeletal hyphae abundant, pale yellow, moderately thick-walled in younger parts, almost solid in older parts, 2-7 µm in diameter, often with simple secondary septa. Binding hyphae abundant, pale yellow, thick-walled, moderately branched, 1-4 µm wide. Context and pilear tomentum are dominated by solid, yellow skeletal hyphae. Cystidia none, but cystidiols projecting above the hymenium may be present. Spores cylindrical, hyaline, smooth and thin-walled, 7-10 x 2.5-3.5 µm, non-amyloid, difficult to find in dried specimens.

Habitat: Found on the dead wood of *Prosopis julifera*, from Krishna district, Andhra Pradesh, collected by N. Praveen Kumar, Accession no: ALC 8. 30-9-2012

Found on dead wood in Afro-Asian species, quite common in Africa from Ghana and Sierra Leone in the west to Ethiopia in the north and through Kenya, Tanzania, Uganda, Zambia and Malawi. Further from Mauritius, Reunion and Socotra in the Indian Ocean, in Asia we have only seen it in Thailand. Quite easy to recognize because of the thin and flexible fruit bodies with an even whitish-pale ochraceous colour, mostly widely effused with small pilei and small pores. Macroscopically, *T. membranaceus* (Fr.) Ryv. (often cited as
Polyporus tenuis) from N. America is similar, but has much shorter spores (4.5-6 µm long) Ryvarden and Johansen 1980.

3. 9. Trametes gibbosa (Pers.) Fr. 1838, Epicrisis Systematis Mycologici: 492
Synonym: Merulius gibbosus (Pers.) Fr.
Basidiocarp was annual, tough, white rotting, shelf or hoof shaped, 5 x 8 x 0.9 cm thick, upper surface cream to brownish, concentrically zoned, smooth (Fig. III. D). lower surface brownish, Pores small, round, 6-8 per mm (Fig. III. E), fusiform simple cystidia present, spores ellipsoid to cylindrical, colourless, 7-9 µm in length.
Habitat: Found on the dead wood of Peltophorum, from Krishna district, Andhra Pradesh, collected by N. Praveen Kumar, Accession no: ALC 17. 2-10-2012.

3. 10. Schizophyllum commune Fr.
The fruiting bodies were scattered or clustered on hardwood logs and branches. Fruiting body was gymnocarpous with the sporiferous part of the fruit body restricted or limited only to the underside of the cap. The hymenophore was confined to the lower side. The fruiting body was 1-4 cm wide and laterally attached to substratum, stipeless or irregular to shell shaped. The upper surface was covered with small white to grayish hairs. Hymenophore was gilled. They were distinct on the under surface, folded and split down the middle. Hence, these fungi were also designated as split fungi or split gilled fungi. The split was shallow and resembled a groove. Fruiting bodies were shrivelled in dry weather and appeared light grey to brown. The marginal proliferation was very distinctly noticed in the collected sample.

Illustration of figures

Figure I. A). Upper surface of Phellinus linteus, B). Lower surface of P. linteus

Figure II. A).sporophores of Trametes cingulata, B) Upper and pore surface of T. cotonea
C). Upper surface of Fulvifomes nilgheriensis D). Lower surface of F. nilgheriensis

Figure III. A). sporophore of Coriolopsis aspera, B). Upper surface of Hexagonia apiaria
C). Lower surface of Hexagonia apiaria D). Upper surface of trametes gibbosa
E). Lower surface of T. gibbosa
Figure I
Figure II

A

B

C
Figure III
4. CONCLUSIONS

Lignicolous fungi include many wood decay fungi which degrades the lignin content of wood. Most of these fungal species can result in economic losses in forest and to wood users. In the present survey new and interesting records of delignifying fungi were detected in Andhra Loyola college, Vijayawada and Krishna District, Andhra Pradesh, India. Lignicolous fungi were found on living trees and fallen branches Syzygium cumini, Casurina equisetifolia, Prosopis julifera and Peltophorum from Andhra Loyola College campus. We describe the occurrence of Coriolopsis aspera (Junghuhn) Teng., Fulvifomes nilgheriensis (Montagne) Bondartseva & S. Herrera, Ganoderma australe (Fr.) Pat., Ganoderma lucidum (Curtis) P. Karsten, Hexagonia apiaria (Pers.) Fr., Phellinus linteus (Berk. & Curt.) Teng., Trametes cingulata Berk., T. cotonea (Pat. & Har.) Ryv. T. gibbosa (Pers.) Fr., and Schizophyllum commune Fr. in Krishna district, Andhra Pradesh, India for the first time. Fulvifomes nilgheriensis (Montagne) Bondartseva & S. Herrera is recorded for the first time from India.

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