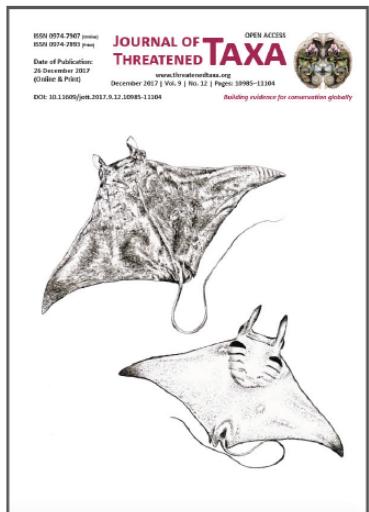


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NOTE

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LARGEST FUNGAL FRUIT BODY FROM INDIA

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Phellinus pachyphloeus (Pat.) Pat. syn. *Inonotus pachyphloeus* (Pat.) T. Wagner & M. Fisch. is a species of polypore fungi in the family Hymenochaetaceae. It is both parasitic and saprophytic, that causes sap and heart rot in angiosperms especially species of *Ficus* and *Mangifera* (Bakshi 1971; Sharma 1995) and produces white stringy rot. This fungus usually produces large fruit bodies mostly bigger than other fungi in Hymenochaetaceae and Polyporaceae (Sharma 1995). If conditions are optimal, this fungus forms very large fruit bodies. In literature, given fruit body sizes are 16–20 x 10–14 x 16–20 cm (Bakshi 1971), 25 x 45 x 10 cm (Ryvarden & Johansen 1980), 25 x 45 x 10 cm (Larsen & Cobb-Poule 1990), 80 x 60 x 10–20 cm (Sharma 1995). In the field, it is very easy to recognize, with its larger fruit body, a thick crust and yellowish-brown punky context. Microscopically it is recognized by acute and wide setal hyphae (Bakshi 1971; Ryvarden & Johansen 1980; Sharma 1995).

In the present study, the fruit body measured 151 x 142 x 57 cm and had a circumference of 428cm (Image 1), which has not been reported elsewhere. It was recorded from the Kalsi bypass near Barotiwalा in Dehradun (30.43250000 N & 77.79111111 E) on 13 September 2015 as parasitic on a Mango tree *Mangifera indica*. Its age was estimated approximately 20 years

but according to the owner of the house where the tree was located, it was 22–25 years. A fruiting body of this size is extremely unique and rare yet it was not detached from its host earlier to maintain conservation and to let the fungus continue its majestic growth. Till date no fungal fruit body of this size has been recorded from India. This is the second largest fungal fruit body ever recorded after *Fomitiporia ellipsoidea* B.K. Cui & Y.C. Dai (Dai & Cui 2011; Walker 2011) syn. *Phellinus ellipsoideus* B.K. Cui, Y.C. Dai & Decock from Hainan Island, China which measured 1,085cm. The recorded fruit body is slightly bigger than *Rigidoporus ulmarius* (Sowerby) Imazeki found in Kew Gardens of United Kingdom that measured 150 x 133 cm with circumference of 425cm (Tribe 2003). *Fomitiporia ellipsoidea* B.K. Cui & Y.C. Dai was a resupinate fruit body, so the present record can be attributed as being the largest pileated fungal fruit body from the world.

A visit was again made in March 2017 to re-measure its growth but unfortunately the tree had fallen and the fruit body had deteriorated as informed to us by the owner of the house.

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Image 1. Author (MK) standing near giant fruit body. © Author.



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