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Supplementary Table 1: Comparison of the main morphological characters, habitat and plant associations of the three *Pisolithus* species recorded in the Maltese islands: *P. albus*, *P. marmoratus* and *P. arhizus* adapted from Kuo (2018); Leonard & McMullan-Fisher (2013) and Lebel & al. (2018) including to which collections from Malta each of these species correspond to.

Character	<i>P. albus</i> (Cooke & Masee) Priest	<i>P. marmoratus</i> (Berk.) M.J. Priest	<i>P. arhizus</i> (Scop.) Rauschert
Shape of fruiting body	Ovoid	Ovoid	Ellipsoidal, elongated or turbinate (top-shaped)
Length of fruiting body	70 mm	35–180 mm	50–250 mm
Colour of mature fruiting body	Chalk white	whitish, the becoming shiny pale brown to orange brown with black warts or streaks.	Cinnamon brown
Colour of base of stipe	Ochraceous to mustard brown	Blackish	Brown, concolorous with head
Size of stipe	About 20 mm long, mostly buried	About 20 mm long, mostly buried	up to 50mm, stipe erect and often above ground level
Peridium	Thin and very tough, leathery	Thick and tough	Thin walled and fragile
Peridiole colour	Light yellow, ochraceous, surrounded by dark brown to almost black sticky tissue	Ochraceous to amber, surrounded by paler tissue and becoming olivaceous as they mature.	yellowish to whitish then cinnamon brown surrounded by blackish gel
Peridiole wall	Thin walled and pale gleba.	Thick walled and dark staining gleba	n. d.
Spore mass colour	Curry to yellowish or olivaceous brown	Honey yellow with an olivaceous tinge	Cinnamon brown
Spore shape	subglobose	subglobose	subglobose
Mean spore size incl. ornamentation	10.1 ± 0.5 × 9.1 ± 0.5 µm	9.5 ± 1.0 × 8.8 ± 0.8 µm	8.5 – 11.5 µm
Spore wall	Echinulate with sharply pointed spines (1.5 µm long)	Echinulate, with blunt spines to 1.5 µm, coalescent into broad, irregular cones	Echinulate with sharply pointed spines (2 µm long)
Associated plant species	<i>Eucalyptus</i> spp.	<i>Eucalyptus</i> spp.	<i>Quercus</i> & <i>Pinus</i> spp.
Probably origin	Australasia	Australasia	Europe including the Mediterranean Region
Specimens from Maltese collections having this morphology	SM036, SM085, SM280, SM292, SM391, SM454, SM477, SM483, SM484, (SM485), SM488, SM489, SM504, SM522, SM621, SM623	SM355	SM035, SM331, SM627