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[Crassoascoma](#) Jian K. Liu

[Crassoascoma](#) is a monotypic genus in [Lentitheciaceae](#) ([Pleosporales](#), [Dothideomycetes](#)). This genus was introduced by [Liu et al. \(2022\)](#) to accommodate [C. potentillae](#) which was collected from living and decaying branches of *Potentilla fruticosa* in Qinghai-Tibet Plateau, China. Phylogenetically, [Crassoascoma](#) has a close affiliation with *Darksidea*. [Crassoascoma](#) however, is distinct from *Darksidea* in its ascomata and ascospore characteristics ([Liu et al. 2022](#)). Within [Lentitheciaceae](#) members, [Crassoascoma](#) morphologically resembles [Lentithecium](#) (i.e. *L. fluviatile*) by its hyaline ascospores with large guttules ([Zhang et al. 2012](#)). However, their ascomata are different, wherein [Crassoascoma](#) has globose ascomata with setae around the ostioles, while [Lentithecium](#) has lenticular ascomata without setae. [Crassoascoma](#) has similar morphology to [Amniculicola](#), [Ligninsphaeria](#), [Neomassarina](#) and [Vaginatispora](#) based on the ascomata, asci and ascospore features ([Wanasinghe et al. 2016](#), [Zhang et al. 2016](#), [Hongsanan et al. 2020](#)), but these genera are phylogenetically distant. No asexual morph was established.

References

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