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Elucidating wood decomposition by four species of *Ganoderma* from the United States

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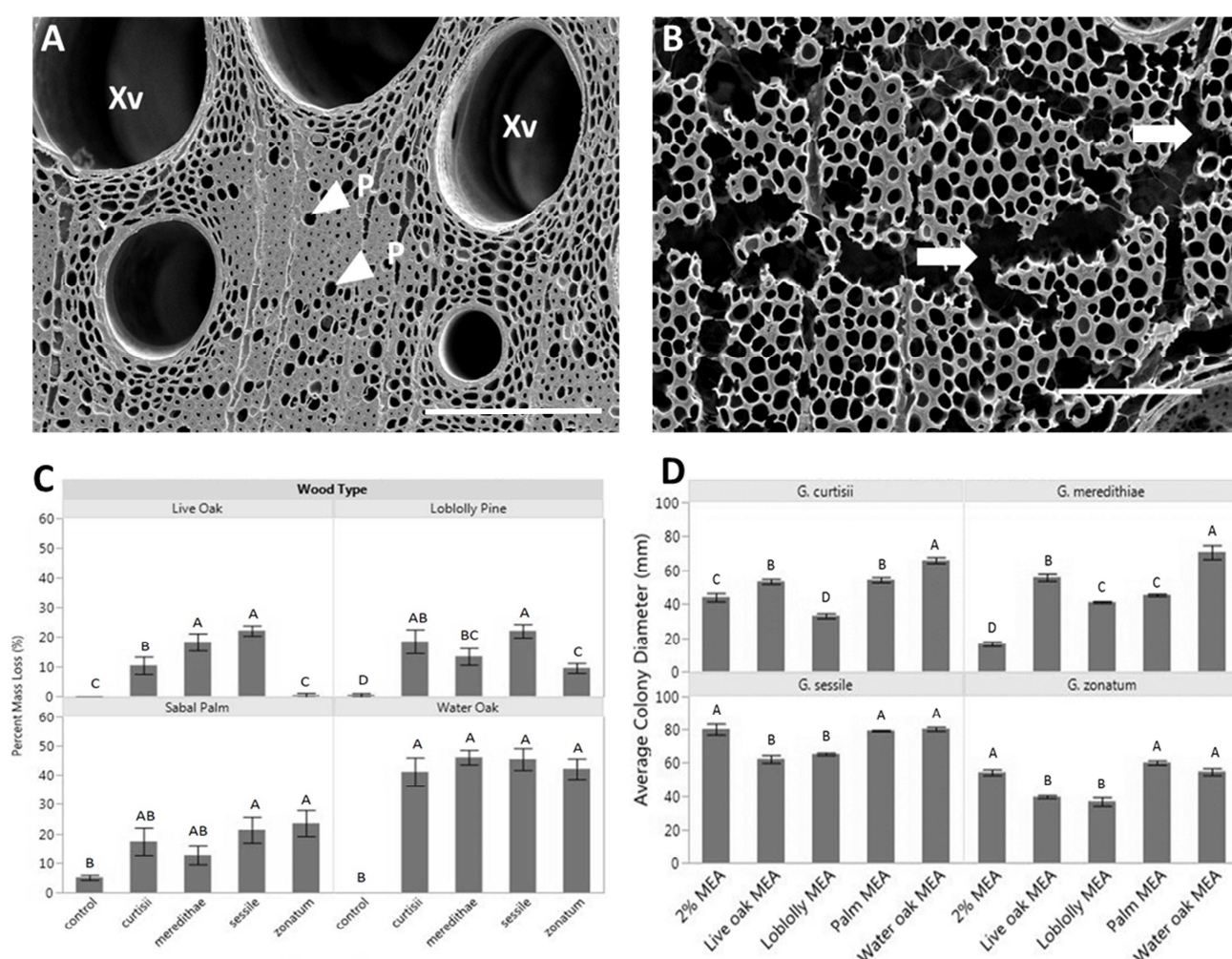
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Graphical abstract. Wood decay caused by *Ganoderma* species in the United States. A) scanning electron micrograph (SEM) of non-decayed *Quercus nigra* wood (control), where “Xv” represent xylem vessels and “P” represent parenchyma cells (bar=200µm); B) Scanning electron micrograph of *Quercus nigra* wood degraded by *G. sessile* (treatment), where arrows represent simultaneously decayed cells (bar=100µm); C) Percent mass loss of different wood types after 90 days of incubation across four *Ganoderma* species from the U.S. and a control; and D) Average colony area of growth when *Ganoderma* species were grown on media amended with water-soluble sapwood extracts from four types of wood and 2% malt extract agar (MEA) as a control.



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