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Microscopic and spectroscopic characterization of waterlogged archaeological wood degraded by microorganisms in anoxic environments



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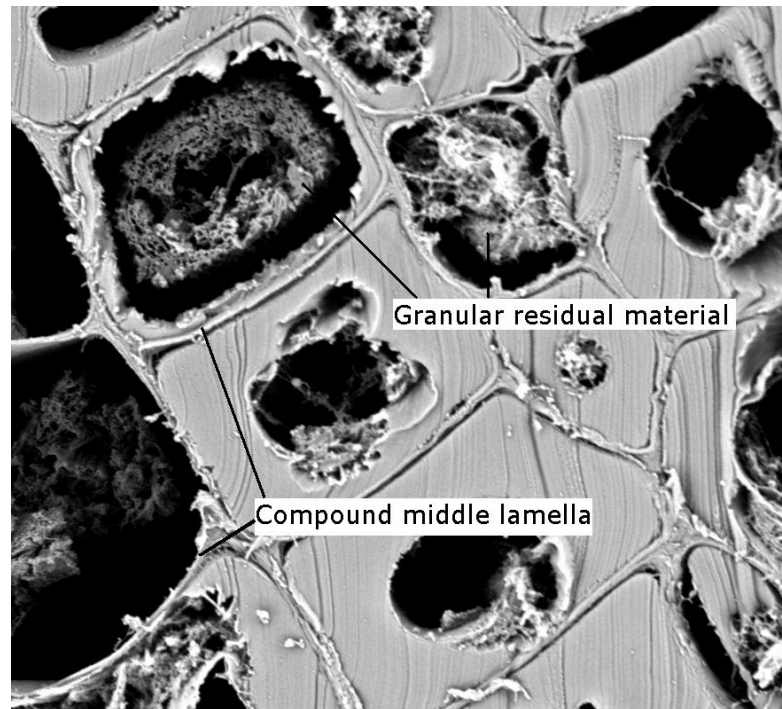
National Museum of Denmark

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TEM micrograph of pine wood tracheids degraded by erosion bacteria. Micrograph by Charlotte Björdal.



Microscopic and spectroscopic characterization of waterlogged archaeological wood degraded by microorganisms in anoxic environments

- Are erosion bacteria capable of degrading lignin in the secondary wall?
- Is lignin chemically modified due to degradation?
- What does the residual material consists of?