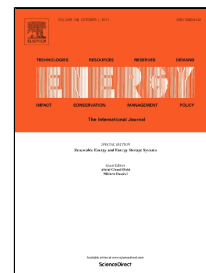


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Experimental study on the shrinkage characteristics and devolatilization time of wood in a turbulent fluidized bed combustor using computed tomography

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Highlights

1. The shrinkage characteristic of four woods during devolatilization in FBC was studied.
2. The shrinkage evolution was visualized without destroying the sample using CT method.
3. Tangential and radial shrinkages are much higher than longitudinal one in all tests.
4. Poplar shows the maximum shrinkages due to the wood type and higher volatile content.

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