

## Supporting Information

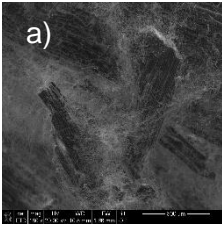
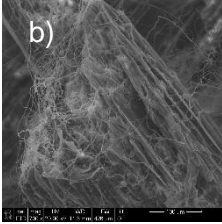
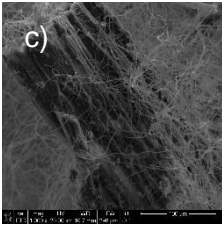
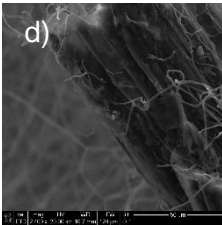
### Characterization of Mycelium Biocomposites Under Simulated Weathering Conditions

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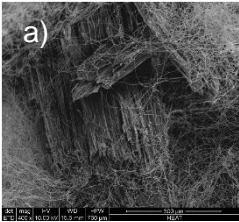
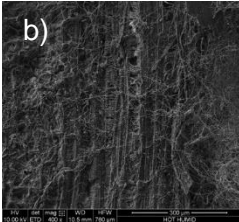
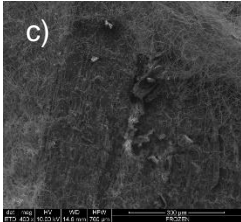
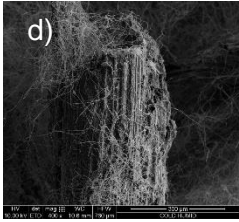
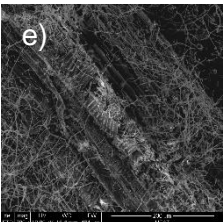
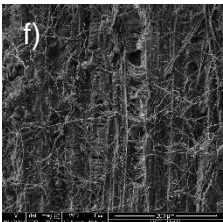
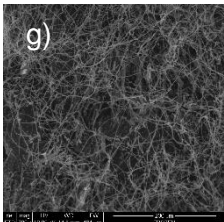
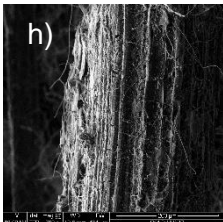
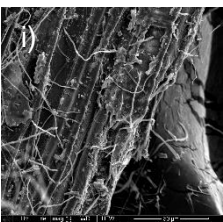
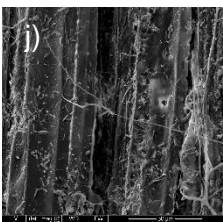
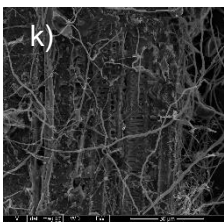
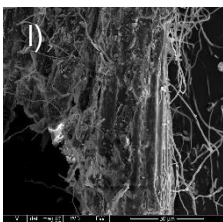
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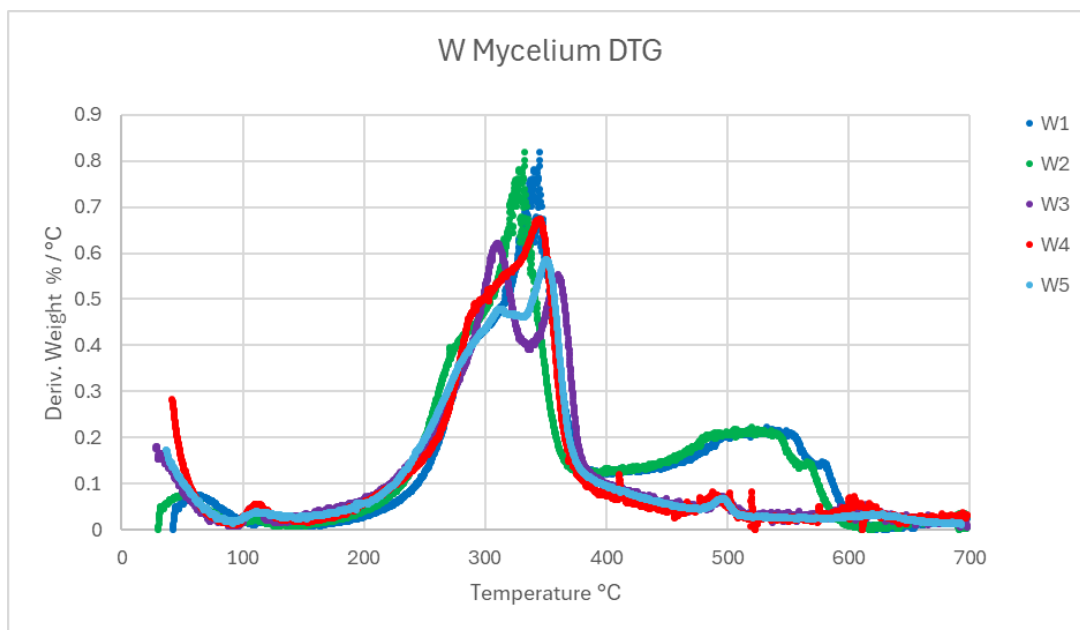
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Magnification	Sample ID
	Control
180x	
700x	
1000x	
2400x	

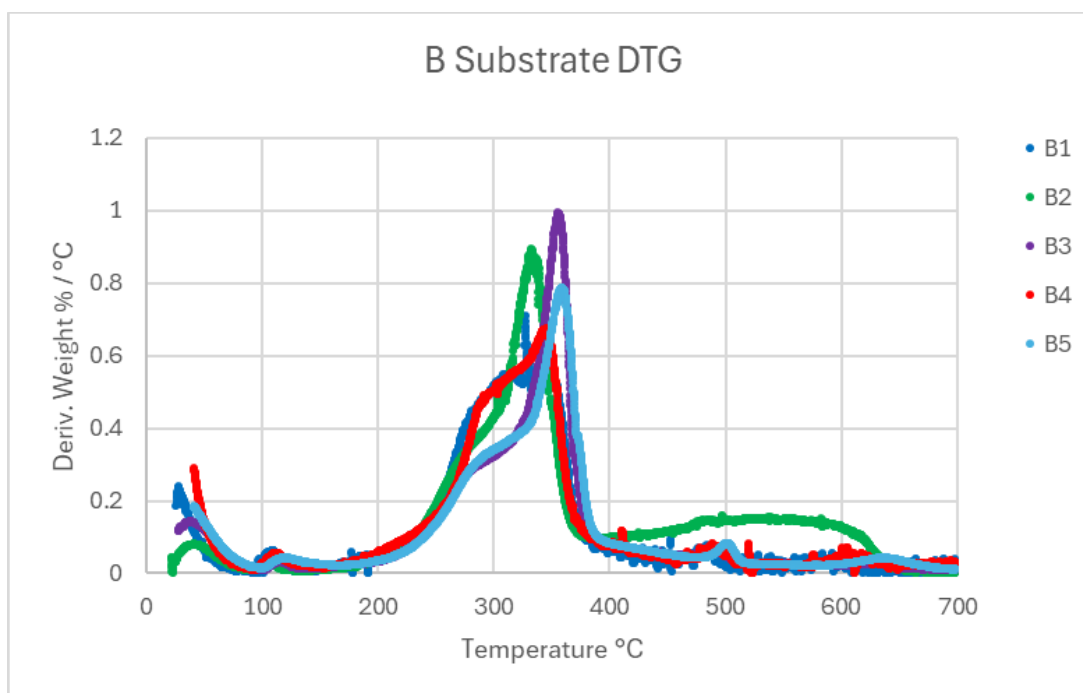
**Figure S1.** Sem images of the mycelium biocomposite control at various magnifications. a) 180x b) 700x c) 1000x d) 2400x

Magnification	Sample ID			
	Hot Dry	Hot Humid	Cold Dry	Cold Humid
400x				
700x				
2000x				

**Figure S2.** SEM images of mycelium biocomposite at various magnifications across the four weathering conditions. a) Hot-dry at 400x b) Hot-humid at 400x c) Cold-dry at 400x d) Cold-humid at 400x e) Hot-dry at 700x f) Hot-humid at 700x g) Cold-dry at 700x h) Cold-humid at 700x i) Hot-dry at 2000x j) Hot-humid at 2000x k) Cold-dry at 2000x l) Cold-humid at 2000x.



**Figure S3.** TGA thermogram derivative overlay of the mycelium coating: control (W1), hot-dry (W2), hot-humid (W3), cold-dry (W4), and cold-humid (W5).



**Figure S4.** TGA thermogram derivative overlay of the mycelium substrate: control (W1), hot-dry (W2), hot-humid (W3), cold-dry (W4), and cold-humid (W5).