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Research interest

Development of lignocellulosic materials, research in wood thermal treatments, chemical changes, surface modification.

Specialized technique available in my lab

Lab equipment for

- Chemical analyses (HPLC, FTIR, TGA, GPC, Py-GC/MS)
- Surface test (Contact angle), natural weathering, Accelerated natural weathering

Additional comment

Materials + Technologies research group focuses its research on composites of polymeric matrix, synthetic and natural, as well as nanostructured materials (nanoparticles and nanofibres) looking for the improvement in thermal, electrical, and mechanical properties, as well as for the development of biodegradable products (biopolymers, wood and natural fibres), and for specific surface characteristics (coatings).