

# Seafibres: Production of sustainable fibres from UK sourced seaweed

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## Summary

Production of sustainable functional fibres derived from UK sourced brown algae, to harness the potential of UK seaweed farming and produce environmentally friendly fibres for specialised applications.

## Aims

- To produce fibres from UK farmed seaweed.
- Establish the mechanical properties of seaweed fibres.
- Modulate the mechanical properties by using biobased crosslinkers.

## Outcomes

- Production and characterisation of fibres obtained from *Saccharina* and *Laminaria* farmed in the UK.
- Fibres with a range of mechanical properties produced by crosslinking with ferulic and citric acids.

