



# Sustainable biomodification of fibers

**utilizations of biochemical approaches**

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# Aim of the Bachelor Thesis

Enzymes as way to sustainable fiber modification

## Target:

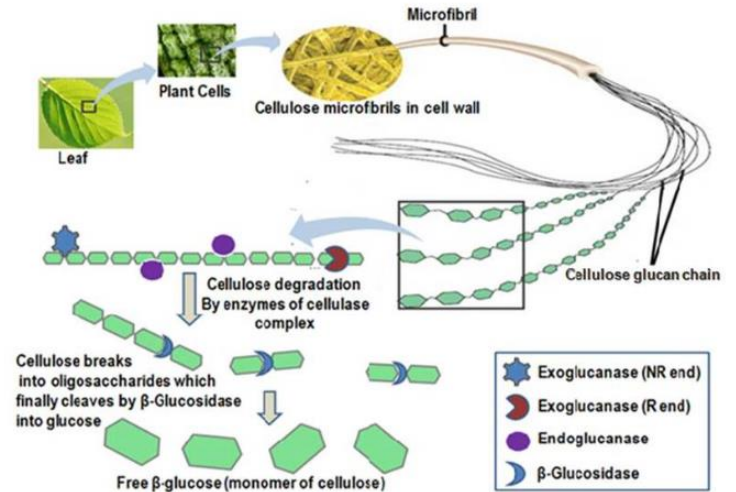
**strengthen fiber-fiber network allowing Mondi to make thinner paper and thus save raw materials & forests**

## Analytical support:

- Employ simple test methods to modify cellulose pulp
- Utilize existing methods to characterize the pulp fibers
  - Improve the chemical properties of pulp fibers

## Organizational

- Start date: anytime & as early as possible
- Location: Mondi Hausmening (Lower Austria) or alternatively at the university
- If interested: thesis in English is not mandatory but preferred



Source: Singh et al 2015 in 3Biotech DOI: 10.1007/s13205-015-0328-z