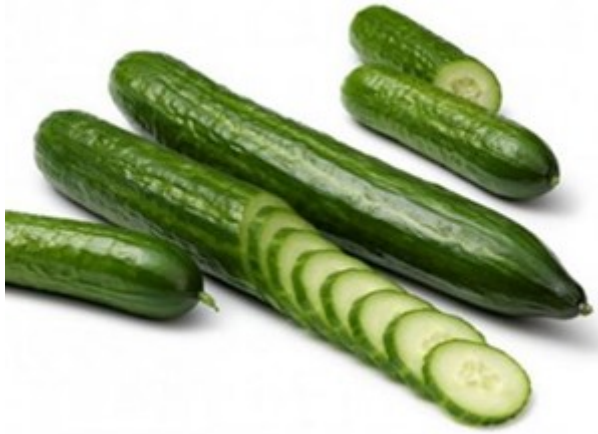


## Conversion of surplus cucumbers into valuable products

### Description

Bodec has extensive knowledge of the food industry and is an expert in the field of valorisation of fruit and vegetables. To select the optimal extraction technology for cucumbers, the company's chemists and food technologists evaluated a broad spectrum of available methods on lab scale. The primary goal of the project was the extraction of a specific component, however, Bodec also investigated the possibilities for valorisation of secondary residual streams like waste water and vegetable fibres from pulp and leaves. Finally potential customers were approached to discuss the possibilities.



Crop

Cucumber  
*Cucumis sativus L.*

Croppart

Leaf  
Stem  
Fruit

Application area

- Pharma
- Fine chemicals
- Food & feed

Status

Development stage

Relevant plant compounds

- carbohydrates
- fibres
- Vitamins and minerals

## Pros and cons

- + Residuals utilised to make a new product
- Challenges in upscaling the product

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## Used conversion methods

### Mechanical-Physical processes

Extraction

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## Resources

<https://www.bodec.eu/en/case/valorisation-of-residual-streams/> Initiative website