



Online

# Biobased materials for future-proof textiles

**Are you eager to contribute to the transformation of the textile industry into a more sustainable, biobased future? Do you want to understand how biobased materials can drive systemic change in today's linear economy? This journey takes you deep into the world of biobased textiles. As part of this learning community, you will explore the advantages and challenges of biobased materials while uncovering the key factors shaping their production, design, and application.**

## Target group

This online course is designed for professionals across all stages of the textile sector who want to deepen their understanding of biobased materials and explore how to integrate them into their practice to drive systemic change.

If you are unsure whether this course is right for you or if you have the necessary foundational knowledge, don't hesitate to reach out to us!

## Results

By completing this online course, you will be able to:

- Recognise the importance of transitioning to a biobased society.
- Understand the various textile value chains and their interconnections.
- Identify different fiber production pathways and their unique characteristics.
- Explore innovative approaches to drive sustainability and transformation in the textile industry.

## Date

**Anytime**

## Location

**Online**

## Teachers

Dieuwertje de Wagenaar (WUR)  
Paulien Harmsen (WUR)  
Siet Sijtsma (WUR)  
Jeroen van den Eijnde (ArtEZ)  
Daniëlle Bruggeman (ArtEZ)

## Outline and topics

This course combines engaging online lectures with diverse assignments designed by experts from Wageningen University & Research, and guest lecturers from ArtEZ. The curriculum includes self-paced learning activities such as short knowledge clips, readings, assignments, and recap questions.



## Programme

In this course, you will embark on an exciting journey to explore the world of biobased materials for textile applications. You'll delve into the properties of available biobased materials and progress to designing garments using sustainable design principles.

### Module 1 | Biobased textile industry

- We will begin by examining the current state of the textile industry, exploring its value chains, and highlighting the critical need to move away from the traditional linear "make-use-dispose" model.

### Module 2 | Biobased design

- In this module, we will explore the design considerations and potential applications of biobased materials in textiles. To effectively transform design practices, however, we first need to gain a deeper understanding of the materials themselves.

### Module 3 | Biobased materials

- In this module, you will learn about the key differences between fibers and materials, with a focus on their properties and characteristics, and explore the opportunities these distinctions present.

### Module 4 | Systemic change

- Finally, we will explore methods and tools for driving systemic change in the textile industry.

## Practical information



€ 295,- per person for the industry and € 195,- for PhD students.



Unlimited



Based on your attendance you will receive a certificate after the programme is finished.

## Registration

Register anytime via [wur.eu/academy](http://wur.eu/academy).

[Register](#)

## Wageningen Academy

We develop and organise courses for professionals, based on Wageningen University & Research expertise.

### Contact

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