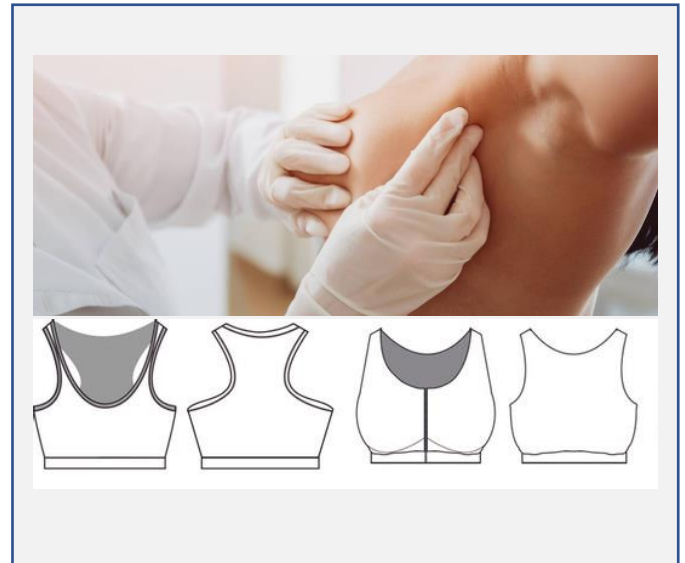


GRADUATION PROJECT: DEVELOP TEXTILES THAT REDUCES BREAST EDEMA FOR WOMEN THAT SURVIVED BREAST CANCER

About one in five women who survived breast cancer develop lymphedema after mastectomy or breast-conserving surgery. **Edema** is a painful accumulation of fluid, which can occur in the breasts. There are various treatments for edema, but they are painful, long-lasting, intensive, expensive, and mainly target the arms and legs, not the breast. Special compression bras or inlay pads that are available on the market, do not work well enough or are so bulky that daily wearing is practically impossible. How can the **optimal textile material** against breast edema be developed, that can be produced as a bra? And how can it be proven that the product works?



TASK DESCRIPTION

are you interested in the development of an **innovative textile material**, that reduces or prevents breast edema for women that survived breast cancer? Then join this project at the research group S&FT. Together with the company **Bratelle and ISKO** we dive into the development of a textile material and a test-plan to measure how well the developed material (eventually the bra) works. This is a very interesting project that could have an **enormous impact** on the lives of many women who survived breast cancer but struggle the rest of their lives with breast edema

Practical Information

Student profile: We are looking for students working on their final thesis:

- Master students Innovative Textile & Development
- Bachelor students Fashion & Textile Technology student

Contact person(s) for this assignment: Please contact Ms. Laura Erkens for more info: l.m.erkens@saxion.nl

Research group Sustainable and Functional Textiles: saxion.edu/sft