Production of antimicrobial fabrics started in Pécs

Researchers at the University of Pécs and experts from Rovitex, a local textile company, have developed an impregnating material that, when applied to curtains and other home textiles, effectively protects against various bacterial and viral contaminants and pathogens for a long time and also reduces their development. Production of the products has recently started and there is huge interest from abroad. The antimicrobial textiles will be used in health and social care institutions, hotels, restaurants, public transport and, of course, in households.

As the world's population grows, so will the number of infectious bacterial and viral diseases and the burden on health and social services. There is therefore a growing need for antibacterial textiles in hospitals and care homes for the elderly that are resistant to various bacteria, viruses and fungi.

In an area that has been particularly in the spotlight since the emergence of the coronavirus pandemic, a Hungarian innovation could represent a major step forward: researchers from the Department of Analytical Biochemistry at the University of Pécs and experts from Rovitex, a local textile company, have developed an environmentally friendly textile impregnation technology suitable for the large-scale production of antimicrobial fabrics.

The antimicrobial impregnation material, when applied to curtains and other home textiles, effectively protects against and reduces the development of various bacterial, viral and pathogenic contaminants over a long period of time.

Production of the products has recently started and there is huge interest from abroad. They can be used not only in institutions but also in other community places, hotels, restaurants, public transport and, of course, at home.

"We started the development five years ago, and we won funding from the Economic Development and Innovation Operational Program.

For me, this project is a showcase of Hungarian research knowledge, Hungarian entrepreneurial approach and the curiosity of the manufacturer:

We have identified a problem and are trying to bring a marketable solution to it, while making people's everyday lives better and healthier," says Norbert Romeisz, owner and CEO of Rovitex.