

## TECHNOLOGY:

The technology responds to the current pandemic and the necessary protection against the spread of virus and various microorganisms.

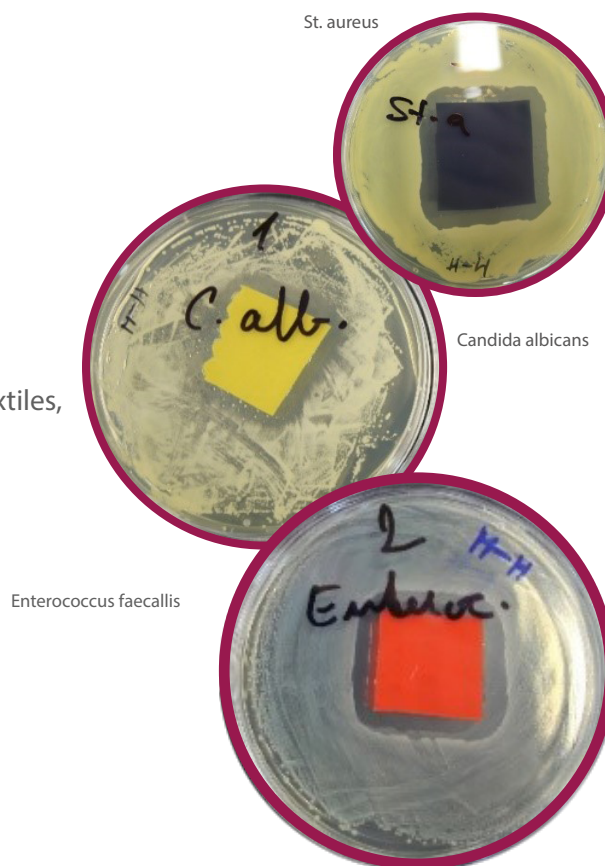
- Cotton textile material dyed with direct dyes (from coloured triangle with a special treatment with a cationic agent,
- The material shows antimicrobial and antiviral activity (antiviral activity = reduces the number of virus particles by at least two orders of magnitude),
- Colour fastnesses to washing correspond to direct dyes.

## FIELDS OF APPLICATION:

- Manufacturers of organic dyes and pigments,
- Manufacturers of textile auxiliary agents,
- Textile industry in the field of clothing industry, home textiles, loose materials, lining, etc.,
- Protective clothing, medical supplies,
- Automotive industry in car interiors.

## COOPERATION:

- Czech company of chemical production,
- International manufacturer of pigments.



Figures: antimicrobial efficacy of samples - evaluation of the diameter of the inhibition zones around the

Inventor:  
Ing. Petra Bayerová, Ph.D. and team

Contact person:  
Ing. Petr Kalenda, Ph.D.  
petr.kalenda2@upce.cz

T A

Č R