

FUNK-TEX Project Presented at the University of Zagreb Faculty of Textile Technology Day and the Textile Science and Economy 2026 Conference

The project Research and Development of Sustainable, Functional Textile Components for Next-Generation Composites (FUNK-TEX) was successfully promoted and disseminated during the [University of Zagreb Faculty of Textile Technology Day](#) and at the international conference [Textile Science and Economy 2026](#). On this occasion, members of the project team presented the scientific results of the project through a poster presentation featuring four published full scientific papers:

- Živa Zupan, Antonija Petrov, Ivana Salopek Čubrić, Goran Čubrić, Vesna Marija Potočić Matković: *Sustainable Knitted Fabric Design: Analysis of the Influence of Engineered Structures on Functional Properties*
- Željko Penava, Diana Šimić Penava: *Tensile Properties of Tubular Knitted Fabric*
- Željko Penava: *Fabric Thickness Calculation Based on Peirce's Model*
- Rebeka Solomun, Ana Kalazić, Ana Palčić, Snježana Brnada: *Analysis of Fabric Surface Roughness*

The presented papers covered various research aspects within the FUNK-TEX project, with particular emphasis on the relationship between textile material structure, their mechanical and performance properties, and their potential application in functional and sustainable textile solutions.

