

## PROMOTION OF THE FUNK-TEX PROJECT AT THE 2026 DOCTORAL STUDENTS' DAY OF THE UNIVERSITY OF ZAGREB FACULTY OF TEXTILE TECHNOLOGY

The University of Zagreb Faculty of Textile Technology, as the holder of the doctoral programme in Textile Science and Technology, organized the Doctoral Students' Day scientific conference for the fifth time. The conference serves as a platform for presenting the scientific research conducted by doctoral candidates under the supervision of their mentors.

As part of the conference, the project **Research and Development of Sustainable, Functional Textile Components for Next-Generation Composites (FUNK-TEX)** was promoted through presentations delivered by three doctoral students. By presenting the results of their research, they highlighted the project's scientific foundation, innovative character, and contribution to the development of functional and sustainable textile solutions.

**Ana Kalazić**, in presentation entitled "Investigation of Fabric Surface Roughness in Different Directions Using an Optical Method", demonstrated the application of advanced optical techniques for the analysis of textile surface topography.



**Marijana Pavunc Samaržija** presented the paper "Life-Cycle Assessment of Fibre-Reinforced Composites – Mechanical Properties of Recycled Fibres", which addresses the challenges of sustainability and the circular economy through the investigation of recycled fibre performance in composite materials.



**Gabriela Vanja** presented the paper “Design and Characterization of ThermoChromic Knitted Fabrics for Adaptive Sportswear”, focusing on the development and characterization of thermoChromic knitted materials intended for adaptive sportswear applications.

