

**The 17<sup>th</sup> Scientific-Professional Symposium and  
7<sup>th</sup> International Symposium *Textile science and economy*  
– *Synergy of technology, science & art - the concept of sustainability  
and development of textile printing***



Zagreb, January 26<sup>th</sup>, 2024

<https://www.ttf.unizg.hr/tzg-2025/1136>

The 17<sup>th</sup> Scientific-Professional Symposium and 7<sup>th</sup> International Symposium "Textile science and economy" - TZG 2025, was organised by the University of Zagreb Faculty of Textile Technology on January 28<sup>th</sup>, 2025. In an atmosphere of new technologies and an ever-increasing focus of the market and production on the personalisation of textiles, advanced digital technologies and a growing awareness of the ecological sustainability of production processes. This year's symposium is thematically dedicated to digital textile printing, especially in the context of the paradigm of the synergetic relationship between technology, science and art, hence the title of the main theme: "Synergy of technology, science & art - the concept of sustainability and development of textile printing".

The programme of the TZG 2025 symposium included invited lectures by renowned experts from universities, research institutions and industry as well as poster presentations of scientific, research-related, artistic and professional work, followed by a round table. The event was accompanied by an exhibition of creative and artistic works by students of the University of Zagreb Faculty of Textile Technology "ONVERS RAPORT" in TTF Galery. Two workshops on digital printing were also held and exhibitors presented their printing technologies and products in the presentation section

Six invited lectures were given by Prof. Željko Penava, PhD (University of Zagreb Faculty of Textile Technology): "From Paper to Digital Form – Digitisation of Tekstil Journal (1987 – 2024)"; by Prof. Igor Majnarić, PhD (University of Zagreb Faculty of Graphic Arts): "The state of production of high-productivity inkjet textile printers after the DRUPA 2024 trade fair"; Branka Falatko (3-Print Group company): "How digital textile printing influences the modernisation of the textile industry"; Danijel Galinec (Nanodiy d.o.o. company): "DTG's position in relation to the DTF trend"; Alicia Mihalić (independent scientific researcher): "Patterns and life paths of hand-printed fabrics: Creativity and Community in the Work of Twentieth-Century Women Designers" and Ana Maria Ricov (a graduate fashion designer) presented her creative work, showed her fashion collections and emphasised the importance of printing technology for her creative expression.

Two projects were also presented at this year's symposium: Prof. Sanja Ercegović Ražić, PhD presented the Erasmus project AEQUALIS4TCLF, and Ebonita Ćurković presented the project Moving forward with circularity in textile and fashion value chains TEX-DAN.

A round table on symposium topic was held with participation of Damir Bistrović (Graphic Center d.o.o.), Dag Knepr (Fespa Croatia), Danijel Galinec (Tvrтка Nanodiy d.o.o.), Branka Falatko (Tvrтка 3-Print Group) and Prof. Martina Glogar, PhD, and the moderator was Željka Livić (Print magazin d.o.o.).

The following companies presented their products and activities: Moira (a manufacturer of modern knitted women's clothing), Graphic Center d.o.o., Šimić & Co d.o.o. and the designer Matilda Sporiš with her brand M.A.T.I.A. (Make Any Textile Interesting Again).

In addition to 6 invited lectures, 32 scientific, professional or review papers were presented on posters. Abstracts of papers presented at the TZG 2025 conference in the categories of scientific, professional and review papers are available in the digital "Book of Abstracts TZG 2025". Greater visibility of the TZG 2025 symposium was ensured by cooperation and publication of selected full papers in the journals "Tekstil" (12 papers) and "the Journal Leather & Footwear" (7 papers), while additional full papers are available in digital "Book of proceedings TZG 2025" (editor I. Brlek).

We would like to take this opportunity to thank the faculty management for their trust, support and help, as well as all presenters, patrons, sponsors, authors, reviewers, to the exhibitors and especially the scientific and organizational committee and all other staff members whose work and dedication contributed to the realization of the TZG 2025 symposium.

*Guest editor:* Assistant Professor Iva Brlek, PhD