

Faculty of Textile Leather and Industrial Management



Technical University „Gheorghe Asachi” of Iași



Ecodesign in
textile finishing



Why?

Eco design is intended to create environmentally friendly textile technologies and products, a new trend building a lifestyle that respects the environment. Eco design in textile finishing is at the very heart of this much-needed change in the industry. New ideas and progress are born from the creation of innovative, inspiring and high-performing technologies and materials.

Ecodesign in textile finishing

Would I like it? YES, if I

- ✓ Want to change the way textiles are made by proving that it's possible to produce luxurious, sensuous fabrics in ways that are non-toxic, ethical and sustainable.
- ✓ Want to learn about many new techniques such as using ultrasound for dyeing, thereby eliminating the use of water entirely or supercritical carbon dioxide dyeing to reduce wastewater pollution.
- ✓ Want to find all about the latest sustainable textile materials: organically produced versions of commonly used textile fibres, sustainable artificial fibres or the very new synthetic fibres derived from renewable resources, such as Polylactic acid fibres.

Strengths

- At national and European level, the clean technology area is considered to be a priority for the development of the economy and for the field of education / research.
- Textile production makes up the second-largest industry in the world. Textile manufacturing is an incredibly resource-intensive process, requiring vast quantities of water and chemicals, and tons of toxic substances, including heavy metals such as lead and chromium, end up being released into the environment every year. The change of this old technologies with new, non-polluting ones, is imperative.
- With the reinforcement of environmental protection in many countries, the green revolution has being popular all over the world. The traditional textile industry is facing a stage of transition and transformation that has to start by designing new technologies that are environmental friendly.

Employment opportunities

Our "Ecodesign in textile finishing" graduates are in high demand and they can look forward to exciting, rewarding and successful careers in the fast growing market for sustainable eco-friendly engineering and business solutions across the wide spectrum of the textile industry.

- Environmental Liability Reduction Manager – responsible with systematical reduction of product's exposure to current and anticipated future environmental compliance risks and liabilities.
- Eco - Design Engineer - development of innovative sustainable technology products and systems.
- Eco – Design Advisor - exploit and harness of new smart technologies for new business developments and opportunities in the field of textiles.

Info admission

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Find more information and contact data here:

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