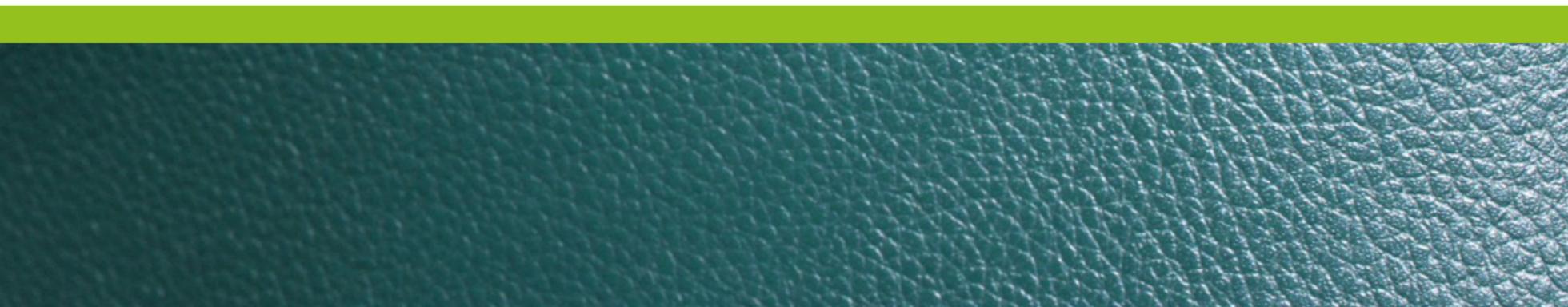


ITALIAN LEATHER RESEARCH INSTITUTE



STAZIONE SPERIMENTALE
PER L'INDUSTRIA DELLE PELLI
E DELLE MATERIE CONCIANTI



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RESEARCH INSTITUTE



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THE ITALIAN NATIONAL LEATHER RESEARCH INSTITUTE

The **Italian National Leather Research Institute** is a **National Research Body of the Chambers of Commerce of Naples, Pisa and Vicenza**, established in Naples by Italian Royal Decree in 1885.

MISSION

The mission of the Italian National Leather Research Institute is to develop and promote process and product innovation and services for the leather supply chain in order to improve international competitiveness in terms of production quality, technological development and environmental sustainability to the benefit of the entire sector and the main target markets: *Furniture, Automotive, Footwear, Interiors, Fashion, Leather goods.*



LABORATORIES AND INFRASTRUCTURE

- > Advanced testing laboratory for research and innovation
- > Microscopy laboratory
- > Chemical testing laboratory for processes and sustainability
- > Physical testing laboratory for the performance of products
- > Surface measurement laboratory
- > Library and Documentation Centre
- > BIOLogic Fab Lab
- > Chemical laboratory 4.0 at the C. Cattaneo Institute in San Miniato (Pisa)
- > Experimental Tannery at ITTE Galilei in Arzignano (Vicenza)

ANALYSIS, CERTIFICATION, CONSULTANCY AND STANDARDIZATION

With the modernisation of laboratories and investments in new technical equipment and research infrastructure, the Italian National Leather Research Institute is able to provide an integrated offer of services (*product certification, technical consultancy, chemical management, opinions and specifications*) with high technical-scientific competence to resolve the needs of companies in the supply chain. It is the only national institute authorized to verify the measurement of leather surfaces in cases of dispute, and it has a measuring laboratory with equipment capable of measuring leather surfaces in every state of processing. It participates in the Institutional Standardization Commissions (UNI, CEN-ISO) and in the Commissions set up by private organizations (ZDHC, LWG, Clear). It promotes and coordinates the "chemical product methods for tanneries" project, which aims to fill in the lack of standardized analytical methods for chemicals used in tanneries with respect to the presence of undesirable micropollutants.

RESEARCH, INNOVATION AND SUSTAINABILITY

The Italian National Leather Research Institute, as the only national research organization recognized under EU Regulation no. 651/2014 in the fields of Chemistry and Tanning Technology, has launched new research programmes for the three-year period 2020-2022, with the aim of developing innovative process and product technologies and reducing environmental impact, including through scientific partnerships with universities and National Research Council of Italy institutes. The researchers and technicians in the following departments of the Italian National Leather Research Institute carry out the work of study, research and technology transfer:

- **Product Development** takes care of research related to the applicable innovations to improve the performance of the material with surface treatments or by creating the perfect Structure-Property relationship, thus enhancing the natural characteristics of leather, an essential requirement to support "Made in Italy" producers.

- **Process Technologies** elaborate, analyses and tests innovative tools for the different tanning processes, with the aim of optimising the use of primary resources.
- **Technologies for the Environment** aims to find innovative solutions for the improving water use and the water discharges that today's industry produces, to enhance waste by directing companies on correct use or to identify applications to other sectors, to recover energy from sludge.
- The objective of **Leather Biotechnologies** is to perfect and develop biotechnology systems to improve the performance and sustainability of leather products, as well as the exploration of new approaches for reusing solid tanning waste.



POLYTECHNIC OF LEATHER

The Polytechnic of Leather has become one of the main drivers of the Italian National Leather Research Institute, with the objective to relaunch the quality of human capital to promote the competitiveness of the Italian tanning production system and to spread the technical and scientific culture of leather and new materials, especially to young people.

The Polytechnic is also a HUB of opportunities for the Italian leather supply chain by developing Innovation 4.0 programmes and support services for technology start-ups in the circular economy.

- **Vocational training for enterprises** with an educational offer featuring a high degree of technical and scientific specialization.
- **ITS Training Courses** to train specialists for small, medium and large companies in the tanning sector, as well as companies using leather, whether traditional or innovative, able to carry out “Research & Development”, “Product Management” and “Green Leather Manager” activities.

- **Scientific information** released through publication of *CPMC Cuoio Pelli Materie Concianti - Leather, Skins and Tanning Materials Magazine* and the staging of training workshops, with the aim of handing down the technical-scientific solutions that promote the sustainability of production processes, product innovation and the reduction of environmental impact to companies and other players in the supply chain.
- **EKOS, the Circular Economy Incubator:** first national circular economy incubator with the aim of improving knowledge of the “leather” product from a sustainability perspective and to develop co-working and mentoring programmes for technology start-up and patent development.
- **Networks and Industry 4.0:** places of exchange and work for developing new projects, generated within the regional, national and European programming.
 - > National technology clusters of The Italian Ministry of Education, University and Research (MUIR), Made in Italy and Green Chemistry SPRING
 - > Campania Digital Innovation Hub
 - > AIRES network contract - Tuscany
 - > Campania Innovative Leather to Sustainable Industry network contract

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National Research Centre of the Chambers of Commerce of Naples, Pisa and Vicenza

STAZIONE SPERIMENTALE PER L'INDUSTRIA DELLE PELLI E DELLE MATERIE CONCIANTI Srl

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