

FUNDING PROGRAMME: PROGRAM 3: EUROPEAN AND INTERNATIONAL COOPERATION
Subprogram 3.5: Other European and international initiatives and programs - Eureka Traditional projects, Eureka Cluster

PROJECT TITLE: Far Infrared Rays and Anion Releasing Fabrics - FairTex

CONTRACT No.: 134/2020

PROJECT STARTING DATE: 01.01.2020 **PROJECT ENDING DATE:** 01.01.2022

PROJECT PARTNERS:



Monofil SRL – COORDINATOR (RO)

The National Research-Development Institute for Textile and Leather (RO)

Tanex (RO)

Clavis (KOR)

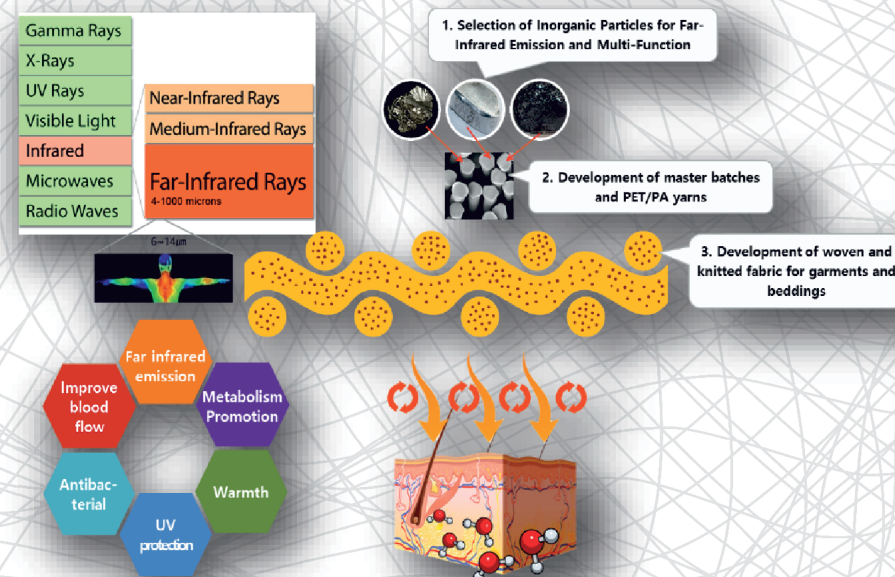
Korean Textile Development Institute (KOR)

Song I Textile (KOR)

PROJECT SCOPE: The main objective of the project is the development of new textiles providing health and wellbeing to the users based on tailored multi-functional nanocomposites generating negative ions and far infrared rays and, protecting humans against UV-rays and microbial infections.

MAIN CHALLENGES:

- New technologies to optimize the multi-functional effects of textiles will be developed to overcome the implementation drawbacks of nanocomposites and to accelerate their use on the textile industrial production lines;
- Synchronization of interactive tasks between researches and industrial partners devoted to speed up the uptake of multifunctional fabrics for a wide range of applications.



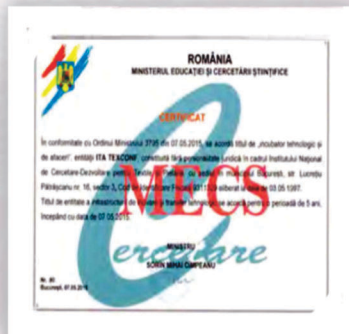
MAIN RESULTS: Technology to prepare highly efficient far infrared and anions release nanocomposites; innovative method to uniformly disperse the nanoparticles into final yarns and preserve their genuine properties; Development of pyroelectric/multifunctional fabrics mainly based on natural yarns (cotton, bamboo).

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TECHNOLOGY BUSINESS INCUBATOR < ITA TEXCONF >

ITA TEXCONF is an entity belonging to the TT infrastructure, founded on the basis of HG 406/2003 and accredited with the certificate no. 80/07.05.2015, for the textile-clothing domain, of which activity is mainly directed towards:

- facilitating the initiating and developing of new innovation private enterprises based on advanced technology;
- stimulating the innovation and technology transfer for the purpose of introducing into the economic circuit the research results that are transformed into new or improved products, processes and services.



Main objectives:

- Incubating of textile-clothing SMEs, ensuring of logistics services;
- Creating of partnerships, developing of interest groups having in view the innovation product/technology transfer towards the industry, specially towards SMEs;
- Know-how transfer between INCDTP and SMEs.

Services:

- Services of sustaining textile-clothing SME competitiveness within the competitive background of the market economy;
- Services aiming at creating partnerships and financing drawing in within the projects
- Services aiming at product, equipment, innovation technology promoting in the field of textile-clothing, as part of scientific events (fairs, symposiums, conferences etc.);
- Mediating of contracts of technology transfer/manufacturing of products, experimental models, prototypes, invasive and non-invasive medical devices, textile articles meant for consumables, special destination articles etc.
- Mediating of contracts in the field of investigating the textile material and product properties, within the RENAR accredited INCDTP laboratories.

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