**CONTACT**

WP1 Project management:  
Zenun Skenderi, zenun.skenderi@ttf.hr

WP2 Structures and properties of nonconventional yarns and knitted fabric:  
Zlatko Vrličak, zlatko.vrlicak@ttf.hr

WP3 Leather treatments:  
Jadranka Akalović, jadranka.akalovic@ttf.hr

WP4 Antimicrobial treatment and properties:  
Sanja Ercegović Ražić, sanja.ercegovic@ttf.hr

WP5 Thermophysiological properties of textile and footwear:  
Alka Mihelić-Bogdanić, alka.mihelic.bogdanic@ttf.hr

WP6 Usable and functional properties of materials:  
Antoneta Tomljenović, antoneta.tomljenovic@ttf.hr

WP7 Dissemination:  
Dragana Kopitar, dragana.kopitar@ttf.hr

**ADDRESS**

University of Zagreb  
Faculty of textile technology  
Prilaz baruna Filipovića 28a  
HR-10000 Zagreb  
Phone:+385 1 3712 577  
www.cmtf-project.com

**ComforMicrobTexFoot**

Comfort and antimicrobial properties of textiles and footwear
### PROJECT MEMBERS

<table>
<thead>
<tr>
<th>Name and surname</th>
<th>Institution</th>
<th>Role in the Project</th>
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<tr>
<td>Zenun Skenderi</td>
<td>FTT</td>
<td>Project leader WP1 leader</td>
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<tr>
<td>Zlatko Vrličak</td>
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<td>WP5 leader</td>
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<td>Antoneta Tomičenović</td>
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<td>WP6 leader</td>
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<td>Dragana Kopitar</td>
<td>FTT</td>
<td>WP7 leader</td>
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<tr>
<td>Željka Pavlović</td>
<td>FTT</td>
<td>researcher</td>
</tr>
<tr>
<td>Franča Žuvela Bošnjak</td>
<td>FTT</td>
<td>researcher</td>
</tr>
<tr>
<td>Tomislav Ivanović</td>
<td>FS</td>
<td>researcher</td>
</tr>
<tr>
<td>Beti Rogina-Car</td>
<td>FTT</td>
<td>researcher</td>
</tr>
<tr>
<td>Jelena Peran</td>
<td>FTT</td>
<td>researcher</td>
</tr>
<tr>
<td>Ivan Kraljević</td>
<td>JADRAN p.l.c.</td>
<td>PhD student</td>
</tr>
<tr>
<td>Luboš Hes</td>
<td>TUL</td>
<td>consultant</td>
</tr>
<tr>
<td>Tariq Mensoor</td>
<td>TUL</td>
<td>researcher</td>
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FTT - Faculty of Textile Technology
FS - Faculty of Science
TUL - Technical University of Liberec
JADRAN p.l.c. - Jadran Hosiery Factory

### OBJECTIVES

#### WP1 Project management
- Successful implementation and realisation of all planned activities
- Project monitoring
- Communication among all project participants and Croatian Science Foundation

#### WP2 Structures and Properties of Nonconventional Yarns and Knitted Fabrics
- Physical-mechanical parameters of unconventional yarns and knitting fabrics
- Improvement/replacement of conventional yarns with unconventional
- Improvement/replacement of commercial knitted fabrics with new knitted fabrics

#### WP3 Leather treatments
- Development of chrome, vegetable and synthetic tanned leather material on targeted antimicrobial and thermophysiological properties
- Development of finishing processes of chrome, vegetable and synthetic tanned leather antimicrobial treated considering thermophysiological properties

#### WP4 Antimicrobial treatment and properties
- Antibacterial activity of materials
- Antimicrobial treatment of materials
- Development/replacement conventional finishing processes of antimicrobial treatment with environmentally friendly technology

#### WP5 Thermophysiological properties of textile and footwear
- Thermophysiological comfort of textile materials, leather and footwear
- Thermophysiological comfort of antimicrobial treated textile materials and leather

#### WP6 Usable and functional properties of materials
- Evaluation of usage and functional properties of leather, knitted fabrics and multilayer constructions of materials
- Definition of the durability and fastness of performed treatments on materials by simulation of usage and care conditions (by implementation of repeated cycles of washing and drying, abrasion and flexing cycles, and by assessment of colour fastness to various influences)

#### WP7 Dissemination
- Promotion of project results
- Dissemination and presentation new knowledge related to project
- Increasing the number of published papers