

MAINTENANCE OF MILITARY TEXTILES

Tanja Pušić, Edita Vujasinović & Sandra Bischof

University of Zagreb, Faculty of Textile Technology, Prilaz baruna Filipovića 28a, HR-10 000 Zagreb, **Croatia**

ABSTRACT

Military textiles should be designed to protect the wearer's body in different conditions and from different threats. Beside this, it should be lightweight, comfortable, durable, easy care and with little maintenance requirements. The composition of nowadays textiles can be varied in raw material content, construction, finishes, printing patterns or coloration. Special, functional coatings can modify the surface properties of textiles making the product more repellent to water, soil or microorganisms often used to protect material against hazardous influences or for esthetical effects. All mentioned elements require a professional maintenance aimed to preserve their functional properties during lifetime. The presentation deals with novel processes of maintenance as well as reprocessing of military textiles in professional textile care.

Key Words/Phrases: maintenance of textiles, military clothes, professional textile care

Acknowledgement: The presented paper is a part of scientific work performed within the project 9967 „Advanced textile materials by targeted surface modification“ financed by the Croatian science foundation.



Prof. Tanja Pušić, Ph.D. – is employed as full professor at the Faculty of Textile Technology University of Zagreb, Croatia. Her scientific and professional interests are topics as follows: bioscouring, electrokinetic phenomena, mercerization, adsorption and desorption of surfactants, detergency, fluorescent brightening agents in detergents, UV absorbers, dry and wet cleaning. She published as co-author two university books. Results of her work are presented in numerous papers published in scientific journals and books of conference proceedings. She has been a representative in the International Technical Committee for Textile care (ICTC) from 2005.

Assoc. Prof. Edita Vujasinović, Ph.D. - is employed as associated professor at the Faculty of Textile Technology University of Zagreb, Croatia. Areas of her scientific research include fibers, high performance textile materials, fiber reinforced composites and their characterization as well as development of non-destructive textile testing methods intended for the need of forensic and conservation science.

Prof. Sandra Bischof, Ph.D. - is employed as full professor at the Faculty of Textile Technology University of Zagreb, Croatia. Areas of her scientific research include textile finishing, functional finishing, implementation of microwave technology in textile finishing, antimicrobial finishing, flame retardant textiles, nanomaterials and nanotechnology.