

Grzybowski, J. and E. A. Trafny. 1999. Antimicrobial properties of copper-coated electroconductive polyester fibers. *Polim.Med.* 29:27-33.

Abstract: Three synthetic copper-coated EURO-static fibers (PET--polyester, PA--polyamide, and PAC--polyacrylamide) manufactured by EUROPA Corporation S.C., Poland, were tested as potential antimicrobial agents. The inhibitory properties of the fibers were examined using different microorganisms as follows: i. *Staphylococcus aureus* ATCC 25293, and *Pseudomonas aeruginosa* ATCC 27853 reference strains, ii. 8 strains of *S. aureus* (4 MRSA and 4 MSSA) and 5 strains of *P. aeruginosa* isolated from infected wounds, and iii. fungal pathogen *Scopulariopsis* sp. isolated from onychomycosis case. The results of experiments have evidenced that polyester (PET) copper-coated EURO-static fibers inhibit the growth of all the strains used.