

# Textile, Nanotechnology and Defence

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The textiles have a great variety of applications in defence. The traditional uses of textiles in defence have evolved from the classical applications (protect against weather inclement, camouflage etc) to a great variety of new application and functionalities (Ballistic protection, protection against chemical attacks etc, ). Nowadays, textiles are an essential part of soldier and vehicles equipment On the other hand, the nanotechnology has revolutionized the science and industry in the last 30 years. The

unique properties of the materials at nano-meter size have resulted in a great variety of new improved materials and materials applications.

In this talk an overview of the current application of nano-technology in the textiles will be made, moreover the applications of the new materials in defence will be explained. Eventually, the studies carried out at ATIEX related with defence will be pointed out.