

## Microwave Sanitization of Polyester Fabrics

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**Abstract :** Polyester fabrics were sanitized by exposing them to vaporized water under the influence of conventional heating or microwave irradiation. Hydrogen peroxide was added the humid sanitizing environment as a disinfectant. The said sanitization process was found to be effective towards two types of bacteria, namely *Escherichia coli* ATCC 2666 (G -ve) and *Staphylococcus aureus* ATCC 6538 (G +ve). The effect of the sanitization process on some of the inherent properties of polyester fabrics was monitored.

**Keywords :** polyester, fabric, sanitization, microwave, bacteria

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