

Название публикации:

Study of stickiness effect on fungal deterioration of cotton fibers

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Аннотация:

In the present study, the influence pattern of cotton fiber stickiness on fungal contamination was studied. By means of DNA analyzing for microscopic fungi (Sanger method), the main biodestructors were identified. Thanks to empirical observation on the behavior of contaminated zones using thermo-detection and analysis of microfungi morphology, visible contamination of cotton with microfungi was defined as an alternative indicator of fiber stickiness determination. Based on the results of this study, a novel method facilitating infected cotton classification was developed.

Ключевые слова:

Biodeterioration, Cotton classing, Cotton fibre, Fungal contamination, Micromycetes, Stickiness, Thermodetection, Trehalulose