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INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

“INTEGRATING CLEANER PRODUCTION INTO SUSTAINABILITY STRATEGIES”

Role of Culture Medium in Bacterial Cellulose Biosynthesis: Details

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Abstract

Bacterial Cellulose biosynthesis is one of the most important applied biochemical processes in biology. In order to explain the detailed molecular events of bacterial cellulose biosynthesis, we discuss in this work, the different steps required for bacterial cellulose formation and crystallization from sugar cane and honey. The potential of organisms to produce biocellulose fibers was analysed. After fermentation bioprocess change new morphological and thermal properties were obtained.

Keywords: *applied biotechnology; bacterial cellulose production; fermentation process; nanobiocomposites.*

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