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Bacteria from rotten pomegranade can be used for producing cellulose

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By **Guest** | November 23, 2018



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Bacterial cellulose have better physicochemical properties such as crystallinity, tensile strength, moldability and larger surface area, since they are devoid of lignin and hemicelluloses material. These characteristics make them suitable for biotechnological and biomedical applications like bone and tissue scaffold material, wound dressing material and even as a drug delivery agent.

The team of scientists from NCL screened different rotten fruits such as dragon fruit, mango, orange, lime, banana and fig for alternative cellulose producing bacteria and cultured them under laboratory conditions. They isolated a bacterium called K. rhaeticusPG2 from rotten pomegranate which showed promising results.

The laboratory has also signed a memorandum of understanding with Singhghad Dental College, Pune for its medical application, especially in endodontics.

Read online: https://nuffoodsspectrum.in/news/17/13325/bacteria-from-rotten-pomegranade-can-be-used-for-producing-cellulose.html
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