Study of Chitosan from Marine Organisms for Continuous Cell Production

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Abstract:

This study investigated the application of chitosan from marine organisms for pH-driven continuous cell production. From the collected data, chitosan blended with nylon-6,6/ (NL/CS) encompassing a unique condensed pebble-paving micro-architectural configuration outperformed the other sample blends such as polycaprolactone and gelatin in regard to the percentage of cell recovery, the completion of cell re-expansion, and the expansion time. Thus, the blend NL/CS could serve as potent platforms for pH-driven continuous cell production.

Keywords:

Chitosan, continuous cell production.