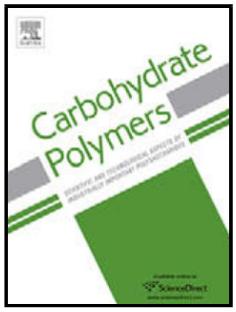

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Original paper

The relationship between monosaccharide composition of extracellular polysaccharide and activities of related enzymes in *Nostoc flagelliforme* under different culture conditions

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Highlights

- EPS monosaccharide composition showed dependence on culture conditions
- The activities of EPS synthesis related enzymes were significantly influenced
- EPS compositions had obvious correlation with FBPase, UGDH, UGPase and PGI
- Correlation under C and N sources conditions was different from light condition

Abstract

The relationship between monosaccharide composition of *Nostoc flagelliforme* extracellular polysaccharide (EPS) and activities of EPS synthesis enzymes under various carbon sources, nitrogen sources and light culture condition was investigated.