



Methods Of Producing Oligosaccharides For Use As Prebiotics

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The Invention

Provided herein are methods for preparing prebiotic oligosaccharides by non-enzymatic methods of glycosylation of monosaccharides and/or disaccharides or by hydrolysis of polymeric sugars to monosaccharides and simultaneous glycosylation of hydrolytic products. The methods may include mixing one or more types of monosaccharides and/or disaccharides with a water-deficient system at a temperature sufficient to form one or more types of prebiotic oligosaccharides. Also provided are methods of preparing prebiotic oligosaccharides comprising mixing starch, cellulose and/or lignocellulosic biomass with a water-deficient system at a temperature sufficient to form one or more types of prebiotic oligosaccharides that collectively make up at least 25% of the products of the synthesis.

Additional Information

For More Information About the Inventors

- [Xuejun Pan](#)

Tech Fields

- [Animals, Agriculture & Food : Food ingredients & additives](#)
- [Clean Technology : Biobased & renewable chemicals & fuels](#)

For current licensing status, please contact Jennifer Gottwald at jennifer@warf.org or 608-960-9854