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(54) Title: FAT TISSUE SUBSTITUTES AND METHODS OF MAKING THE SAME

(57) Abstract: In an aspect of the invention, there is provided a method of producing a plant cellulose-based fat tissue substitute, the method comprising: (a) adding a plant cellulose material to water to form a cellulose solution; (b) blending the cellulose solution with oil to form an emulsion; and (c) cooling the emulsion to form the fat tissue substitute. In another aspect of the invention, there is provided a method of producing a plant protein-based fat tissue substitute, the method comprising (a) blending a plant protein and a polysaccharide with water to form a plant protein-polysaccharide solution; and (b) blending the plant protein-polysaccharide solution with oil to form an emulsion or an emulsion gel; and (c) incubating the emulsion and/or emulsion gel with an enzyme to form the plant protein-based fat tissue substitute. Plant-protein-based and cellulose-based fat tissue substitutes compositions are also described herein.