CLAIMS

1. A cultured dairy analog food product, comprising:

particles of a filamentous fungus belonging to an order selected from the group consisting of *Mucorales*, *Ustilaginales*, *Russulales*, *Polyporales*, *Agaricales*, *Pezizales*, and *Hypocreales*, wherein the filamentous fungus comprises greater than 40 dry wt. % protein content and less than 8 dry wt. % RNA content; and

a microbial food culture;

wherein the particles of the filamentous fungus are the source for at least 50% of protein in the cultured dairy analog food product.

2. The cultured dairy analog food product of claim 1, wherein the microbial food culture comprises a microbe selected from the group consisting of a bacteria, a yeast, a mold, and combinations thereof.

3. The cultured dairy analog food product of claim 1, wherein the cultured dairy analog food product is selected from a yogurt analog food product and a cheese analog food product.

4. The cultured dairy analog food product of claim 1, further comprising at least one of an invert sugar, a thickening agent, a rennet, a probiotic, and an enzymatic water.

5. The cultured dairy analog food product of claim 1, wherein cells of the filamentous fungus are lysed.

6. The cultured dairy analog food product of claim 1, wherein the filamentous fungus comprises less than about 10 ppm of a mycotoxin selected from the group consisting of Alfatoxin B1, Alfatoxin B2, Alfatoxin G1, Alfatoxin G2, Fumonisin B1, Fumonisin B2, Fumonisin B3, Ochratoxin A, Nivalenol, Deoxynivalenol, Acetyl deoxynivalenol, Fusarenon X, T-2 Toxin, HT-2 Toxin, Neosolaniol, Diacetoxyscirpenol zearalenone, beauvericin, fusarin C, fusaric acid and any combinations thereof.

7. The cultured dairy analog food product of claim 1, wherein the filamentous fungus comprises less than about 10 ppm total mycotoxin content.

8. The cultured dairy analog food product of claim 1, wherein the filamentous fungus comprises greater than 15 wt. % of branched chain amino acids.

9. The cultured dairy analog food product of claim 1, wherein the cultured dairy analog food product is vegan.

10. The cultured dairy analog food product of claim 1, wherein the particles of the filamentous fungus are the sole protein component present in the cultured dairy analog food product.

11. A method for making a cultured dairy analog food product, comprising:

inoculating particles of a filamentous fungus with a microbial food culture, wherein the filamentous fungus belongs to an order selected from the group consisting of *Mucorales*, *Ustilaginales*, *Russulales*, *Polyporales*, *Agaricales*, *Pezizales*, and *Hypocreales*, wherein the filamentous fungus comprises greater than 40 dry wt. % protein content and less than 8 dry wt. % RNA content; and wherein the particles of the filamentous fungus are the source for at least 50% of protein in the cultured dairy analog food product.

12. The method of making a cultured dairy analog food product of claim 11, wherein the particles of the filamentous fungus are in a liquid dispersion.