

Summary

Single-cell protein (SCP) are dried microbial cells or total protein extracted from pure or mixed cultures of microbes such as algae, yeasts, fungi or bacteria (grown on agricultural wastes) used as a substitute for protein-rich foods, in human and as for animal feeds. Since most of the developing countries of the world are facing a major problem of malnutrition, in this case the SCP will be better alternative food. SCP is itself not entirely lacking in disadvantages. One of the most obvious is that many developing countries, where protein malnutrition actually exists, lack the expertise and/or the financial resources to develop the highly capital intensive fermentation industries involved. But this short-coming can be bridged by the use of improvised fermentors and recovery methods which do not require sophisticated equipments