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## A STUDY OF FOOD PROCESSING

**Shinde Tukaram Vittal**

Assistant Professor, Geography , A.R. Burla Mahila Varishtha Mahavidyalaya , Solapur.

**Abstract:-**Food processing is a system in which food is arranged for utilization. Individuals frequently utilize this term to allude particularly to making bundled foods, yet in fact anything which changes crude fixings into something else is a type of food processing, going from flame broiling vegetables in the back yard to making TV suppers in a food fabricating office. The part cantered around processing food utilizes huge quantities of individuals, a hefty portion of who are untalented workers.

**Keywords:**Food Processing , Agriculture , techniques and methods .

### INTRODUCTION

We all process foods regular when setting up a dinner for ourselves or our family and basically all foods experience some type of processing before they are prepared to eat. A few foods are even hazardous if eaten without fitting processing. The most fundamental meaning of food processing is "a mixed bag of operations by which crude foodstuffs are made suitable for utilization, cooking, or stockpiling". Food processing incorporates any activity that progressions or believers crude plant or creature materials into sheltered, consumable and more charming, acceptable foodstuffs. In expansive scale food assembling, processing includes applying investigative and innovative standards to save foods by easing off or halting the regular processes of rot. It additionally permits changes to the eating nature of foods to be made in an anticipated and controlled way. Food processing likewise utilizes the imaginative capability of the processor to change fundamental crude materials into a scope of divine alluring foods that give intriguing mixed bag in the weight control plans of buyers. Without food processing it would not be conceivable to support the needs of present day urban populaces, and the decision of foods would be constrained via regularity.

### What Is Food Processing?

Food processing is the change of raw fixings, by physical or substance implies into food, or of food into different structures. Food processing joins raw food fixings to create attractive food items that can be effectively arranged and served by the shopper. Food processing regularly includes exercises, for example, mincing and macerating, liquefaction, emulsification, and cooking, (for example, bubbling, searing, broiling, or barbecuing); pickling, purification, and numerous different sorts of protection; and canning or other bundling. (Essential processing, for example, dicing or cutting, solidifying or drying when prompting auxiliary items are likewise included.)

### Why do we process our food?

Agriculture (cultivating) is the art of creating creatures and plants for food. Food cultivating prompted a lot of it. Man was currently creating more than he could eat without a moment's delay so food expected to be put away for some other time.

All plants and creatures that we eat have minor life forms living inside of their bodies called small scale organic entities. Living, sound plants and creatures naturally control a large portion of these smaller scale life forms, however when plants and creatures are executed, these miniaturized scale organic entities begin to increase, bringing on food to lose supplements, flavor, shading and surface and to wind up invaded with creepy crawlies or different nuisances. Accordingly, food gets ruined or spoils. To keep food from ruining, it needs to be saved. Food protection is another fundamental way food is

processed.

As the centuries progressed, food has dependably been processed. At in the first place, individuals processed their food only for safe stockpiling. Later they found that distinctive processes changed the way food tasted, felt and looked. Today we process our food to securely store it for more and to make it more delectable.

### **Food Processing Methods:**

Following are some techniques and methods used to convert food into processed or preserved food.

1.Preservation process: this includes heating or boiling to pulverize miniaturized scale living beings, oxidation, poisonous restraint, drying out or drying, osmotic hindrance, solidifying, a kind of frosty purification which devastates pathogens and different blends of every one of these techniques.

2.Drying: this is most likely the most antiquated strategy utilized by people to safeguard or process their food. Drying diminishes the water content in the item and absence of water defers the bacterial development all that much. Drying is the most widely recognized procedure to save or process cereal grains like wheat, maize, oats, rice, grain, grams and rye and so forth.

3.Smoking: numerous foods, for example, meat, fish and others are processed, saved and seasoned by the utilization of smoke generally in huge smoke houses. This process is extremely straightforward as the mix of smoke to saved food without really cooking it and the smell of hydro-carbons produced from the smoke processes the food and makes it significantly more delicious to eat.

4.Freezing: presumably, it is the most well-known procedure utilized as a part of advanced world to safeguard or process the food both on business and residential premise. This solidifying is led in huge chilly stockpiles which can stockpile enormous measure of food stuffs which can be further utilized as a part of some normal crises. A major scope of items can be solidified to save and processes which include some which needn't bother with solidifying when are in their normal condition. For instance potato chips and potato wafers obliges solidifying though a potato does not.

5.Vacuum packs: in this technique, food is gathered in water/air proof sacks and jugs in a vacuum zone. This strategy is utilized as a part of processing the food as the sealed shut environment doesn't give oxygen required by germs particularly microbes to survive. This then, keeps food from getting spoiled. This strategy is usually utilized for safeguarding processed nuts.

6.Salting: the strategy for salting is utilized as a part of food processing as it sucks out the dampness from the food. This is done through the process of osmosis. Meat is the best illustration of the food processed by salting as nitrates are utilized often to treat meat.

7.Sugaring: the technique for utilizing sugar to safeguard or process food is exceptionally visited where it comes to save organic products. In these technique natural products, for example, fruits, peaches and plums are cooked with sugar until they are solidified and afterward it is put away dry. Presently days, sugar is likewise utilized as a part of mix of liquor to make some marked liquor and spirits.

8.Pickling: in this technique for saving or processing food, food is cooked in chemicals and materials which demolish miniaturized scale creatures. This is entirely remembered that these chemicals or materials are fit to eat for people. Ordinarily, these incorporate brackish water, vinegar, ethanol, vegetable oil and numerous different sorts of oils. Pickling is ordinarily found in vegetables, for example, cabbage and peppers. Corned meat and eggs are the non veggie lover eatables that are cured.

### **What is processed food?**

You can figure out if a food is processed by taking a gander at the fixing rundown. The more drawn out the fixing rundown, the more processed a food is prone to be. Processed foods are generally found in the middle passageways of the market and are more prone to contain fixings that you are not ready to perceive or fixings that you wouldn't have in your kitchen. Stay away from foods that you wouldn't have the capacity to deliver or make yourself at home. Stick to unprocessed, characteristic foods, for the most part found on the outskirts of the market, for example, vegetables, organic products, eggs, meat and other single-fixing foods.

### **Advantages of Processed Foods**

Foods are usually processed to kill harmful bacteria or other microorganism, to make them safer and for longer shelf life.

- Some processed foods like peanut spread, blueberry jam, custom made cranberry juice, squeezed apple, grape juice, are solid decisions that can be innocuous.
- Processed Foods are protected in jars, containers and jugs that are impermeable, so the food pressed inside is free of microbes.
- Processed foods are anything but difficult to get, as they are accessible in all seasons and at all stores.
- Processed foods like precut vegetables and meat are quality comfort foods for occupied individuals and for the individuals who can't visit a faraway business sector to purchase vegetables and meat.

### Disadvantages of Processed Foods

- Food processing evacuates a percentage of the supplements, vitamins and fiber display in the food.
- Processed foods are gotten from labs and not nature. The foods are hereditarily changed and may bring about gastrointestinal issue, barrenness and can harm your organs.
- Frequent admission of processed foods can make individuals get to be furious and bad tempered. Utilization of regular entire foods can bail level out your state of mind, maintain vitality levels and abandon you feeling substance and loose.
- The trans fats and sugar exhibit in processed things can bring about irritation, a horrible condition that prompts asthma.
- Daily crunching of processed foods advances maturing and kidney harm as they contain phosphates and genetically engineered ingredients.

### CONCLUSION:

A few foods are even risky if eaten without fitting processing. The most fundamental meaning of food processing is a mixture of operations by which raw foodstuffs are made suitable for utilization, cooking, or stockpiling. In vast scale food production, processing includes applying experimental and innovative standards to save foods by easing off or ceasing the common processes of rot.

Food processing is the change of raw fixings, by physical or substance implies into food, or of food into different structures. Food processing consolidates raw food fixings to create attractive food items that can be effectively arranged and served by the buyer. This process is exceptionally straightforward as the blend of smoke to saved food without really cooking it and the fragrance of hydro-carbons produced from the smoke processes the food and makes it significantly more delicious to eat.

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**Shinde Tukaram Vittal**

Assistant Professor, Geography , A.R. Burla Mahila Varishtha Mahavidyalaya , Solapur.

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