



# Food Safety



Written by: **Waleed Khaled Kazim**  
Senior Agricultural engineer,

## Consumer

## Protection

The case of food safety is substantial for general health in all countries. Diseases converted by foods due to microbes, biological toxins, chemical pollution are serious threat to millions of people. Disease cases took place in the last decades because of the foods in all continents. This is big evidence on these diseases risky on general health and society. Consumers always see that diseases spread through foods are increasing concern. Probably, diseases appearance is mere the clear side of a bigger problem which would last for a long time. These diseases would affect their lifestyle seriously but rather they have consequences economic problems upon the individuals, families, society, work affairs, and whole countries. This burden cast its shadow on health care systems, and apparently decreasing the economic producing. As the poor people is living on daily earning income, the income loss because of the disease would keep the poverty circle go on for along time.

Due to the complement of foods industry and its corporations unifying, and globalization trend, fodder and food are distributed for a long distances, and much far than ever. So, a larger circumstances for diseases to be spread away. Once a crisis occurred ten years ago, about 1500 farms in Europe got a dioxin-polluted fodder from 1 source and for one week. Foods produced by those dioxin animals were distributed to all continents within weeks. No wonder how far those products spread and cows that were affected by cow madness disease. Till this moment, evaluating such an events have not fulfilled and the estimating of concern rate for consumer a well yet. There are other factors behind this problem, as it is one of the vital health cases. Big cities expanding are also one of the active agents. They require, as far as they are expanding, a foods transportation, storing, and supply. It is expected that global people number will be in 7.5 billions, on 20 \* 20, and most population growth will be in developing countries, as the percentage would be in them about 98% of the total global population growth. In the developing countries,

a wandering sellers depending selling foods in the streets. In then developed countries, 50% of food budget is spent on markets foods made. This change is leading to the appearance of conditions, on which one pollution source would make a widespread affects in all over the world. Consumer almost face an intending foods cheating, especially in the developing countries. This would lead to risk sources appearance, affecting health and consumers finance. Dairy, honey, spices, food oil, and dyestuff abuse for hiding food defects, swindle is very common to cheat consumers. Although the risks related to swindling are often in low rate, but it enrages anger for consumers, because it weakens their confidence in food safety.

As 60% - 70% of reasonable living family's income in the developing countries societies is spent on this type of foods, this would seriously affect family budget and health situation of family members.

Lately, most of food safety systems are depending upon law codes for unsafe foods, and rescue programs for isolating unsafe food away of markets, and apply penalties on the lawbreakers after had been found them red-handed. that because around challenges in food safety fields. but these tradition systems can't catch up with now days challenges. And not even with growing challenges in food safety fields, because it doesn't detect the precautionary method and works on activate it. the recent ten years witnessed, a transmission step has been taken in analyzing risks, based on improving scientific knowledge concerning disease transformed by foods and their causes. By this a precaution measure is available, and safety process steps would be carried on over national and international aspects equally. the outstanding method on risks analyzing should depend on information about the bet and most sufficient ways against food danger.