



## M Usman

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**Major food nutrients and food chemistry is the most powerful tool for the health, reduction in global poverty and hunger in the developing countries of the world like South Asia**

The aim of presentation consists of major food nutrients, food chemistry and poverty alleviation were studied and reported that food is the basic need of our life and the food chemistry deals with the production, processing, preparation, and utilization of food like plants and animals which are the main source of food and food nutrients. Similarly, the basic food chemistry deals with three major food components such as carbohydrate, lipids and protein which are found in plants and animals cells. It is also called as the food science. Food carbohydrates include sugar, starches and fibres, lipids include fats, oil, waxes and cholesterol. Protein is very important component of food and necessary for the life of human being. All the components are the basic source of energy. In the light of above study, food chemistry and nutrition are not only the basic need of food but also fulfills the maximum requirements of human beings from the integrated agricultural products of agro based industries like livestock and dairy development, poultry, aqua cultural, apiculture, crops production, fruits, vegetable, seed

industries and processing plant. Similarly, agro based industries, food science, food chemistry and nutrition absorbs millions of technical and non-technical people like doctors, engineers, agricultural scientist, technical experts etc thus generating source of income, create employment as well as reduction of global poverty and hunger in the World. It is concluded that agricultural, food science, food chemistry and nutrition are the basic need of our lives which in turn generate income, create employment, consequently reduction in poverty and hunger. It was also concluded that in the absence of it life is almost impossible.

### Biography

M Usman was a Former Director General of Agricultural Research System, Government of Pakistan who retired from service after a spotless career of about 35 years with senior level experience on research and development of agricultural industry with regard to Food Chemistry, Food science and Nutrition, renewable energy, sustainable agriculture of oil seed, cereal, fruits, vegetable and other cash crops. He has presented paper in FCF, Geneva. He is basically an Agricultural Scientist with specialization in agriculture in Switzerland and food chemistry working as plant breeder with regard to the yield and quality of various agricultural crops as well as nutrition. He has also worked on Biosciences of lipids, food legumes crops and Bio-energy. He is being a scientist, has released several oil seeds varieties, presented and published research papers on various oil seeds, and renewable energy in different conferences like Geneva. He established "Prominent Agro Based Industries SDN BHD" in Malaysia and aims to work on integrated agricultural project like livestock and dairy development, renewable energy etc. His research area focuses on Food & Nutrition.

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