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Biochemistry is the most powerful and sustainable tool for the improvement of health, reduction in poverty and hunger in the world

B iochemistry is the division of science that explores the chemical processes within and related to living organisms, it is a laboratory based science that brings together biology and chemistry. By using chemical information and procedures, biochemists can understand and solve biological problems. Biochemistry plays and important in nutrition and health. Similarly, biochemistry in general deals with body substance like enzymes, carbohydrates, amino acids, fats, proteins, hormones, DNA, RNA, pigments, etc. It is used in clinical diagnosis, manufacturing of various biological products, treatment of diseases, in nutrition, agriculture, etc. Biochemistry is the study of biological processes that occur in cells and organisms. Carbohydrates, lipids, proteins and nucleic acids are the most common biological molecules studied by biochemists. Biochemistry also encompasses the science of molecular biology. This includes immunochemistry, neurochemistry and bioinorganic, bioorganic and biophysical chemistry. Biochemistry is applied in various areas, including medicine, dentistry, industry, and agriculture and food science. Sustainability means the ability or capacity of something to be maintained or sustain itself. If any activity is said to be sustainable, it should be able to continue forever. In the light of the above study it is reported that biochemistry absorbing millions of technical and nontechnical people, create employment; generate income which consequently reduced poverty and hunger in the world. Keeping in view the importance of the biochemistry on sustainable tool for reducing global poverty and hunger in the world.

Biography

Muhammad Usman is the Former Director General of Agricultural Research System, Government of Pakistan, retired from service after a spotless career of about 35 years with senior level experience on research and development of integrated agricultural industries with regard to biochemistry, food science and nutrition, livestock and dairy development, sustainable agricultural production system, fruits and vegetable, bioenergy and renewable energy. He is basically an agricultural scientist with specialization of agricultural chemistry and biochemistry working as Plant Breeder with regard to the yield and quality of various agricultural crops, food science, released several varieties for oil, fat, protean and lipids, and presented and published several research papers in the different conferences around the world.

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