Press Release

"INDUSTERIAL BIOTECNOLOGY AND FOOD PROCESSING"

One Day Online Workshop on **INDUSTERIAL BIOTECNOLOGY AND FOOD PROCESSING** was organized by Department of Biotechnology in collaboration with IQAC on 18-05-2020, under the Chairmanship of worthy Principal, Prof. Dr. Farooq Ahmad Malik.

Dr. Ajaz Ahmad Ganie, Assistant Professor Biotechnology, while addressing students and faculty members highlighted recent advances in food industry and food biotechnology. GM plants and animals are used to enhance taste, shell life, nutrition and quality of food. On the other hand, GM yeast and Bacteria are used to produce enzymes for the sake of food industry. These GM foods are produced by using biotechnological techniques specifically genetic engineering. Genetic engineering purpose is to introduce foreign gene of interest in an organism.

He further elaborated how genetically modified food is synthesized using biotechnological tools. Modern Biotechnology is also called as genetic engineering, genetic modification or transgenic technology. In this technology, Nuclear DNA is modified through insertion of gene of interest (gene encoding desired trait). This modified DNA is called as recombinant DNA. When recombinant DNA expresses, it encodes desired product. This technology, when implemented to enhance food qualities or yield is called as food technology.

In the last, Dr. Ajaz stressed upon that Modern Biotechnology is helpful in enhancing taste, yield, shell life and nutritive values. This is also useful in food processing (fermentation and enzyme involving processes). So Biotechnology is beneficial in erasing hunger, malnutrition and diseases from developing countries and third word. Modern biotechnology products are commercially reasonable hence it can improve agriculture as well as food industry that will result in raise in income of poor farmers.

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Media Secretary