



*Scienxt Journal of Biotechnology & Life Sciences*  
*Volume-1|| Issue-1|| Year-2023|| Jan-June || pp. 29-38*

## *Role of biotechnology in increasing the food production and processing*

**Dr. Pramod Kumar Sahu**

Assistant Professor, Department of Biotechnology,  
National Institute of Technology Calicut, Kerala, India

*Email: shau.pk@yahoo.co.in*

### **Abstract:**

Biotechnology encompasses all technological applications that use biological systems, living organisms, or derivatives thereof to create or change goods or processes for specialized use. It frequently overlaps with bioengineering and biomedical engineering, depending on the techniques and applications used. This research highlights the how biotechnology helps on food production and processing in improving its flavor, flavor, lifespan, consistency, and nutritional content. Genetically changed fermentation, genetically modified foods, utilization of all these modern technologies in diagnostics for food testing, a importance of biotechnology in food production through boosting food output, better harvesting, storage, and distribution.

### **Keywords:**

Biotechnology, Bioengineering, Enzymes, Fermentation, Food, Microorganisms.