

Glossary

- Adulterants:** Substance which lowers or degrades the quality of food material
- Adulteration:** Process of lowering or degrading the quality of food material
- AGMARK:** Agricultural Produce (Grading and Marketing) Act, 1973
- Alcoholic beverages:** Beverages containing alcohol produce by fermentation using yeast
- Anthropometry:** Measurement of human growth
- Anticaking agent:** Substance which avoid lump formation in dry powdered products
- Antioxidants:** Substances which inhibits the effect of oxygen (oxidation)
- Bakery:** Facility that produces and sell flour based baked food products. E.g. bread, cake, cookies etc.
- Beer:** Alcoholic beverage produced by fermentation of grain (malted barley)
- Beverage:** A liquid food product other than water suitable for human consumption. E.g. Tea, Juice, Beer etc.
- BIS:** Bureau of Indian Standards (1986)
- Broiler:** Chicken of age between 8-10 weeks kept for meat
- Cancer:** Group of disease associated with abnormal cell growth with potential to spread in body
- Casein:** Main protein present in milk
- Composting:** A natural way of bio-degradation of food waste and converting it in to compost
- Confectionery:** Food items that are rich in sugar (more sweet)
- DART:** Detect Adulteration with Rapid Test
- Diabetes:** Disease that occur due to high blood sugar level
- Diet:** Sum of food consumed by a person
- Distilled liquors:** Distillation of alcoholic fermented beverages to concentrate alcohol content
- Dough maker:** Machine used to knead a dough mechanically
- ECA:** Essential Commodities Act, 1955
- EU:** European Union
- FAO:** Food and Agriculture Organization
- FBO:** Food Business Operator
- FDR:** Fine dining restaurants with full service and premium interior
- Finfish:** Fish with fins (bony spine covered with skin)
- Food Additives:** Substances which are added intentionally to improve the quality of food product
- Food Fortification:** A process of adding small quantity of nutrients to improve the nutritional value of food
- Food Waste:** The portion of food which is wasted or lost uneaten or unused
- Fruit pulper:** Machine used for extraction of pulp from fruits
- Fruit sorter:** Machine used to differentiate fruits on the basis of different quality parameters
- FSMS:** Food Safety Management System
- FSSAI:** Food Safety and Standards Authority of India
- Glycogen:** Form of carbohydrate present in meat

Homogenization: Process of breaking down large fat globules into tiny fat globules in milk

HTST: High Temperature Short Time method of pasteurization of milk

Hypertension: The condition at which blood pressure is above the normal level

Incineration: Burning of solid waste at high temperature so as to convert in to gaseous products

ISI: Indian Standard Institute

ISO: International Organization for Standardization

Juice extractor: Machine that mechanically extracts juice from fruits

Lactose: Sugar specifically present in milk

Layers: Poultry birds kept for eggs

Lean fish: Fish having less than 2% fat

Leavening agents: Substance used for CO₂ gas formation in food products

Malnutrition: Impairment of health due to deficiency, excess or imbalance of nutrients in diet

Meat: The muscles of warm blooded terrestrial four legged animal used for human consumption

Milk: Biological secretion by mammary glands of mammal

Mithai: It is a generic term for Indian confectionery products

Myoglobin: Red colour pigment in muscle of meat

Non-Alcoholic beverages: Totally free from alcohol or less than 0.5% percent alcohol by volume.

Nutritional status: Condition of health of person influenced by the intake and utilization of nutrients

Obesity: Medical condition in which excess fat accumulates in body

Oven: Thermally insulated chamber used for baking

PFA: Prevention of Food Adulteration Act, 1954

Poultry: All domesticated birds used as food (meat and eggs)

Preservative: Substance which extends shelf life of the food

Shell fish: Fish without skeleton but covered with hard shell

Shortening: Addition of fat to dough to make the product crispy

Skim milk: Low fat milk from which fat has been skimmed off (Fat range 0.5 to 2%)

SNF: Solid Not Fat

Soup: Liquid food generally served hot, that is made from grains, vegetables, meat and chicken stock, etc.

Sterilization: High temperature process to destruct all micro-organisms in milk

Sweeteners: Ingredients used to give sweet taste to product. E.g. Sugar, Honey, Corn syrup, etc.

Tandoor: A clay oven used to cook *naan* or *roti* using hot charcoal fire

UHT: Ultra High Temperature method of pasteurization of milk

WHO: World Health Organization

Wine: Alcoholic drink produced by fermentation of grape juice

WTO: World Trade Organization

Yeast: Natural leavening agent used in bread making to produce CO₂ gas

Bibliography

1. Bennion M, Introductory Foods, Macmillan Publishing Co. New York, 1980
2. Charley Helen, Food Science, John Wiley and Sons. 1971
3. Crosby N.T. Food Packaging Materials, Applied Sc. Publishers Ltd. London, 1981
4. Desrosier N. W. Elements of Food Technology, Te AVI Publishing Company, 1984
5. Fitch and Francis, Food and Principles of Cookery, Prentice-hall, Inc, 1959
6. Food Science, Standard XI, Maharashtra State Board of Secondary and Higher Education, Pune-411004
7. Fox B.A. and A.G. Cameron, Foods Science a chemical approach, Hodder and Stoughton Educational, 1982.
8. Frazier and Westhoff, Food Microbiology, Tata McGraw Hill Publishing Company Ltd. New Delhi II ed. 2006
9. Gaman P.M. and K.B. Shrrington, The Science of Food, Pergaman Pres, 1977
10. Gates June C., Basic Foods 2nd Edition, New York, Holt Rinehart and Winston 1981
11. Gopalan C., B.V. Ramasastry and S.C. Balasubramanian, Nutitive Value of Indian Food, NIN Hyderabad, 2004
12. Gurr M.I., Role or Fats in Food and Nutrition, Elsevier Applied Science Publishers, 1984.
13. Jacom Thankamma, Food Adulteration, Macmillina Company of India Ltd. New Delhi, 1976
14. King M.H., King M.F. et al. Nutrition for Developing Countries: The English Language Book Society and Oxford University Press, 1980.
15. Lowe Belle, Experimental Cookery, John Wiley and Sons, New York, 1966.
16. Malik R.K. and K.C. Dhingra, Handbook of Food Industries, Small Industry Research Institute, 1975-76
17. Manay Shakuntala and Shadaksharaswamy, Foods-Facts and Principles, Wiley Eastern Limited, 1987.
18. Mc Williams, Food Fundamentals, John Wiley and Sons, 1974
19. Meyer L.M., Food Chemistry, CBS Publishers, 1987.
20. M. Shafiur Rahman, Handbook of Food Preservation, Marcel Dekker, Inc, NY, First Indian Reprint, 1999
21. Srilakshmi, B., Nutrition Science, Fourth Revised Edition: 2012, New Age International Limited, New Delhi, 2012
22. National Institute of Nutrition, Dietary Guidelines for Indians, A Manual, 2nd Edition, 2010.
23. Nuffield Advanced Science, Food Science-a Special Study, Penguin Books Limited, 1971.
24. Parvinder S. Bali., Food Production Operation, Second Edition, Oxford Higher Education, Press, New Delhi
25. Parvinder S. Bali, Quantity food production operations and Indian cuisines, Oxford Higher Education, Press, New Delhi
26. Paul P.C. and H.H. Palmer, Food Theory and Applications, John Wiley and Sons, New York, 1972.
27. Potter N.N., Hotchkiss J.H. Food Science, Fifth Edition, CBS Publishers & Distributors, 4596/1 A, 11-Daryaganj, New Delhi.
28. Pyke Mangnus, Food Science and Technology, William Clowes and Sons Ltd. 1964.
29. Raina Usha and Others, Basic Food Preparation: A complete Manual, 3rd Edition, 2007.
30. Roday S, Food Science and Nutrition, Third Edition, Oxford University Press, New Delhi, 2018
31. Rao, S Narasinga, Y.G. Deosthale and K.C. Pant Nutrient Composition of Indian Foods NIN ICMR Hyderabad, 1991.
32. Sadarangani K, Mannuru C, Kukade S, Food Science, Neel kanth Books, Pune, 2006
33. Sharma Avantina, Textbook of Food Science and Technology, CBS Publishers and Distributors Pvt. Ltd. New Delhi, 2017
34. Srilakshmi, B., Nutrition Science, Fourth Revised Edition: 2012, New Age International Limited, New Delhi, 2012
35. Srilakshmi, B., Food Science, Sixth Multi-colour Edition, New Age International Limited, New Delhi, 2016
36. Swaminathan B., Essentials of Food and Nutrition (Volume II), Ganesh and Company, Madras 1974
37. Vaclavik Vicki and Christiana Elizabeth, Essentials of Food Science, Food Science Text Series, Kluwer Academic/Plenum Publishers New York II ed., 2003
38. Victoria Emerton and Eugenia Choi, Essential Guide to food Additives, Third Edition, 2008, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, CB40WF, UK
39. Yogambal Ashok Kumar, Text Book of Bakery and Confectionery, Second Edition, PHI learning Private Limited, Delhi-110092 (2016)

Websites

- <http://en.wikipedia.org/wiki/dairyproduct>
- <http://www.fao.org/WAIRodes/x5434e/x5434eod.html>
- <http://www.naturalnews.com/legumes/html>
- <http://parantables/howstuffworks.com/chow/7-recipes-healthy-legumes/html>
- <http://www.whereincity.com/recipes/tips/balanced-diet.php>
- <http://dbtbiosafety.nic.in/act/PFA%20Acts%20and%20rules/pdf>
- <http://www.indianfoodforever.com/indian-spices.html>
- <http://food.oregonstate.edu/learn/cereal/html>
- <http://kidshealth.org/kid/nutrition/food/protein.html>
- <http://www.kelloggs.com/enUS/home.html>
- <http://www.exploratorium.edu/cooking/html>
- <https://vikaspedia.in/InDG/health/health-campaigns/beware-of-adulteration/quick-tests-for-some-adulterants-in-foods>
- www.nsdcindia.org
- www.nin.res.in