

Module- F02FQ13
Quadrant 3&4

Quadrant-III : Chemical Hazards

Food Safety and Quality Control

Interesting Facts

No.	Interesting Facts
1	Do you know misuse of food additives also makes them as chemical hazards?
2	Do you know that ground water has high arsenic content in eastern India?

Glossary:

Term	Definition
Mycotoxins	These are toxins produced by certain fungi
Environmental contaminants	Toxic chemicals present in soil, air and water. These chemicals may be from natural sources or due to industrial pollution
Food additives	Chemicals intentionally added to food for a technological purpose in the manufacture, processing, preparation, treatment, packing, packaging, transport etc. .
Process contaminants	Chemicals formed during food processing
Food contact materials	materials which come in contact with food, like packaging materials i.e. plastics, paper, metal and machinery, utensils, containers
Pesticide residue	Any specified substance in food and agricultural commodities, resulting from the use of a pesticide. The term includes any derivatives of a pesticide, such as conversion products, metabolites, reaction products, and impurities considered to be of toxicological significance.
Veterinary drug residues	Veterinary drugs applied or administered to any food producing animal, such as meat or milk producing animals, poultry, fish or bees, are likely to be present in any edible portion of the animal product . Veterinary Drug residues include the parent compounds and/or their metabolites in, and include residues of associated impurities of the veterinary drug concerned.

Learn More/Web Resources/Supporting Materials

1. http://www.who.int/foodsafety/areas_work/chemical-risks/en

2. <http://www.who.int/mediacentre/factsheets/fs225/en/>
3. <http://extoxnet.orst.edu/faqs/foodcon/cadmium.htm>
4. <http://www.who.int/mediacentre/factsheets/fs372/en/>
5. http://ec.europa.eu/food/fs/sc/scf/out154_en.pdf
6. Total Diet Studies in the Indian context, Chapter 29 in Total Diet Studies. Eds. Moy, G G & Vannoort, R W Springer, New York & London. pp. 297-308, 2013

