Food Safety, Food Security and Food Regulations: A primer (Course Code: 17404H04)

16th September - 20th September, 2018

(Sponsored by Ministry of Human Resource Development (MHRD) under the scheme Global Initiative for Academic Networks (GIAN))

Day 1
Lecture 1: 10:30-11:30 AM
Foodborne viruses, parasites and prions.

Lecture 2: 12:00-1:00 PM
Food spoilage – Causes and solutions

Tutorial 1: 2:30-4:30 PM
Learning from outbreaks: Case study – Outbreak of Listeria monocytogenes linked to smoked turkey

Day 2
Lecture 3: 10:30-11:30 AM
Food waste and Food sustainability

Lecture 4: 12:00-1:00 PM
Antimicrobials and the food industry: Safety, efficacy, cost

Tutorial 2: 2:30-4:30 PM
Interactive group activity: Alternatives to use of traditional antimicrobial agents (e.g., photosensitizers, competitive exclusion, bacteriophages) and processes (e.g., high-pressure processing, cold plasma): from pre-harvest to retail.

Day 3
Lecture 5: 10:30-11:30 AM
Organic and conventional produced agricultural commodities – Pros and cons, safety.

Lecture 6: 12:00-1:00 PM
Food security and trade

Tutorial 3: 2:30-4:30 PM
Debate: Untolded Consequences: Critical thinking/problem solving based on “Agricultural & Food Controversies—What everyone needs to know” (Norwood, Oltonno, Calvo-Lorenzo, and Lancaster)

Day 4
Lecture 7: 10:30-11:30 AM
Sustainability meets food safety

Lecture 10: 10:15 AM to 11:15 AM
Shift in Consumer food preferences and microbial food safety

Tutorial 4: 1:30 AM to 2:00 PM
Group activity: “Un-packing” food safety regulations.

Examination: 2:00-4:00 PM

5. Who can attend
- Students at all levels (B.Tech/MSc/MTech/PhD) or faculty from reputed academic institutions and technical institutions
- Scientists, engineers and researchers from food/pharmaceutical industries, and government organizations including R&D laboratories.
- Professional involved in food safety policies, regulatory frameworks and microbiological risk assessment (MRA)

6. Participation fees
- Industry Participants: INR 4000/-
- Faculty/Scientists: INR 2000/-
- Students: INR 1000/- (FICCI/CUR), INR 500/-(SC/ST), INR 0/- (PWD)

The above fee includes all instructional materials, computer use for tutorials, and assignments, laboratory equipment usage charges, 24 hrs free internet facility. The participants will be provided accommodation on payment basis.