

Unit 2 part 3 - Microbes as a Component of Air Environment

Aerobiology: study of life in the air

Includes:

- Aerosolization, aerial transmission and deposition of biological materials
- Diseases that may be transmitted via respiratory routes

Aeromicrobiology: study of various aspects of intramural (indoor) and extramural (outdoor) aerobiology in relation to environmentally relevant microorganisms including various bacteria, fungi, and protozoa

Besides these microbes, other biological materials like pollen, insect debris, animal danders (chief source of allergic disorders) are also found in air.

Air-borne microbes are important pathogens causing diseases in plants, animals, and humans

Viral diseases

Diseases	Pathogens
Influenza	Influenza virus
Chicken pox	Varicella virus
Smallpox	Variola virus
Measles	Rubeola virus

Bacterial diseases

Diseases	Pathogens
Diphtheria	Corynebacterium diphtheriae
Tuberculosis	Mycobacterium tuberculosis