

# Clinical Research 2021

# Sports Medicine 2021

November 29-30, 2021

WEBINAR

Azim Charoosaei et al., J Sports Med Doping Stud 2021, Volume 11

## Microbiologie and its effects on human healthy

**Azim Charoosaei and Mohammad Sajadian**

Islamic Azad University, Iran

**M**icrobiology (from Greek μίκρος, mīkros, "small"; βίος, bios, "life"; and -λογία, -logia) is the study of microorganisms, those being unicellular (single cell), multicellular (cell colony), or acellular (lacking cells). Microbiology encompasses numerous sub-disciplines including virology, bacteriology, protistology, mycology, immunology and parasitology. Eukaryotic microorganisms possess membrane-bound organelles and include fungi and protists, whereas prokaryotic organisms—all of which are microorganisms—are conventionally classified as lacking membrane-bound organelles and include Bacteria and Archaea. Microbiologists traditionally relied on culture, staining, and microscopy. However, less than 1% of the microorganisms present in common environments can be cultured in isolation using current means. Microbiologists often rely on molecular biology tools such as DNA sequence based identification, for example the 16S rRNA gene sequence used for bacteria identification. Relations between microbiology and microorganism would be investigated through this research.