**MICROBIOLOGY**

**WHAT IS MICROBIOLOGY?**

**Microbiology**, study of microorganisms, or microbes, a diverse group of generally minute simple life-forms that include bacteria, archaea, algae, fungi, protozoa, and viruses. The field is concerned with the structure, function, and classification of such organisms and with ways of both exploiting and controlling their activities.

Daily life is interwoven inextricably with microorganisms. In addition to populating both the inner and outer surfaces of the human body, microbes abound in the soil, in the seas, and in the air. Abundant, although usually unnoticed, microorganisms provide ample evidence of their presence—sometimes unfavorably, as when they cause decay of materials or spread diseases, and sometimes favorably, as when they ferment sugar to wine and beer, cause bread to rise, flavor cheeses, and produce valued products such as antibiotics and insulin.

* To become a microbiologist, a related degree in a subject such as biology, microbial science or biomedical science is essential. Laboratory experience, as well as becoming a member of a relevant society, is also generally needed.
* If you have yet to graduate high school and are interested in a career in microbiology, it’s not too early to begin preparing. It would help if you took science, math, computer science, biology, chemistry, physics, and statistics
* The coursework should include microbiology, biochemistry, or cell biology.
* Microbiologists work in laboratories and offices, where they conduct scientific experiments and analyze the results.

**Career Opportunities**

* Every microbiologist has a unique set of skills. Fortunately, the career opportunities in the microbiology field are as diverse and the people who work in the industry.

**Different career paths**

* Biotechnologist
* Clinical Laboratory Scientist
* Food Scientist and Technologist
* Parasitologist
* Mycologist
* Immunologist
* Science Writer

**Expected Earnings As At 2022**

* According to careerexplorer, the average salary for a microbiologist in the United States is around $79,260 per year.
* An entry level microbiologist in Nigeria makes about 64k naira per month.
* A mid-level microbiologist in Nigeria makes about 113k naira per month.
* A senior level microbiologist in Nigeria makes about 200k naira per month.