

Antimicrobial and Microbial Ecology Group (ARME)

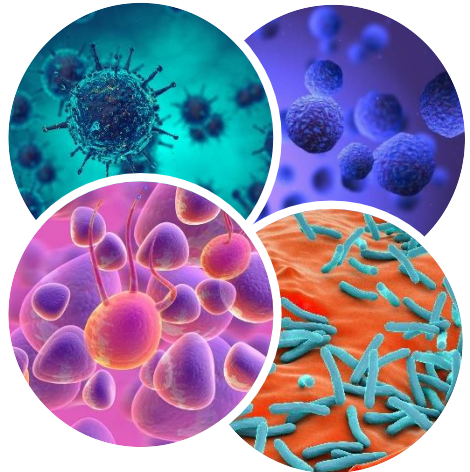
What are Microorganisms?

"organisms that are too small for the naked eye to see."

Bacteria

Fungi

Viruses



About us!

We are the
Antimicrobial and
Microbial Ecology Group (ARME)
from the Discipline of Bacteriology,
School of Medicine, NUI Galway.

We examine...

Animals

Environment

Humans

Food

...for different types of bacteria!

Antibiotic Resistance!

Antibiotics are drugs used to treat infections caused by bacteria.



Antibiotic resistance is when the bacteria become resistant to antibiotics.

This means that the antibiotics cannot fight against the bacteria anymore!

Useful Microorganisms!

Most bacteria are good for us and do not cause disease!

They have important roles in:

The **decomposition of organic materials!**

The **production of foods and drinks** e.g. cheese, yogurts, bread and wine!

Making **Antibiotics and Vaccines!**



Bad Microorganisms!

Microorganisms that can cause disease are called **pathogens**.

Some diseases have been around for thousands of years such as **TB (Bacteria)** and **Influenza (Virus)**.

Others are new, such as the **Ebola and Zika viruses**.



What can you do to protect yourself from bad microorganisms?

Washing our hands is one of the most important ways to help stop the spread of bad microorganisms!

Antibiotics should only be taken to treat infections caused by bacteria!

Vaccines protect against many diseases.

WASH YOUR HANDS



WATER AND SOAP



PALM TO PALM



BETWEEN FINGERS



FOCUS ON THUMBS



BACK OF HANDS



FOCUS ON WRISTS



OÉ Gaillimh
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www.nuigalway.ie/bac



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