



# Department of biology

**((Plant groups))**

**Lab5**

**Stage 2**

**Classification of Cyanobacteria  
(Blue-green algae) Part II**

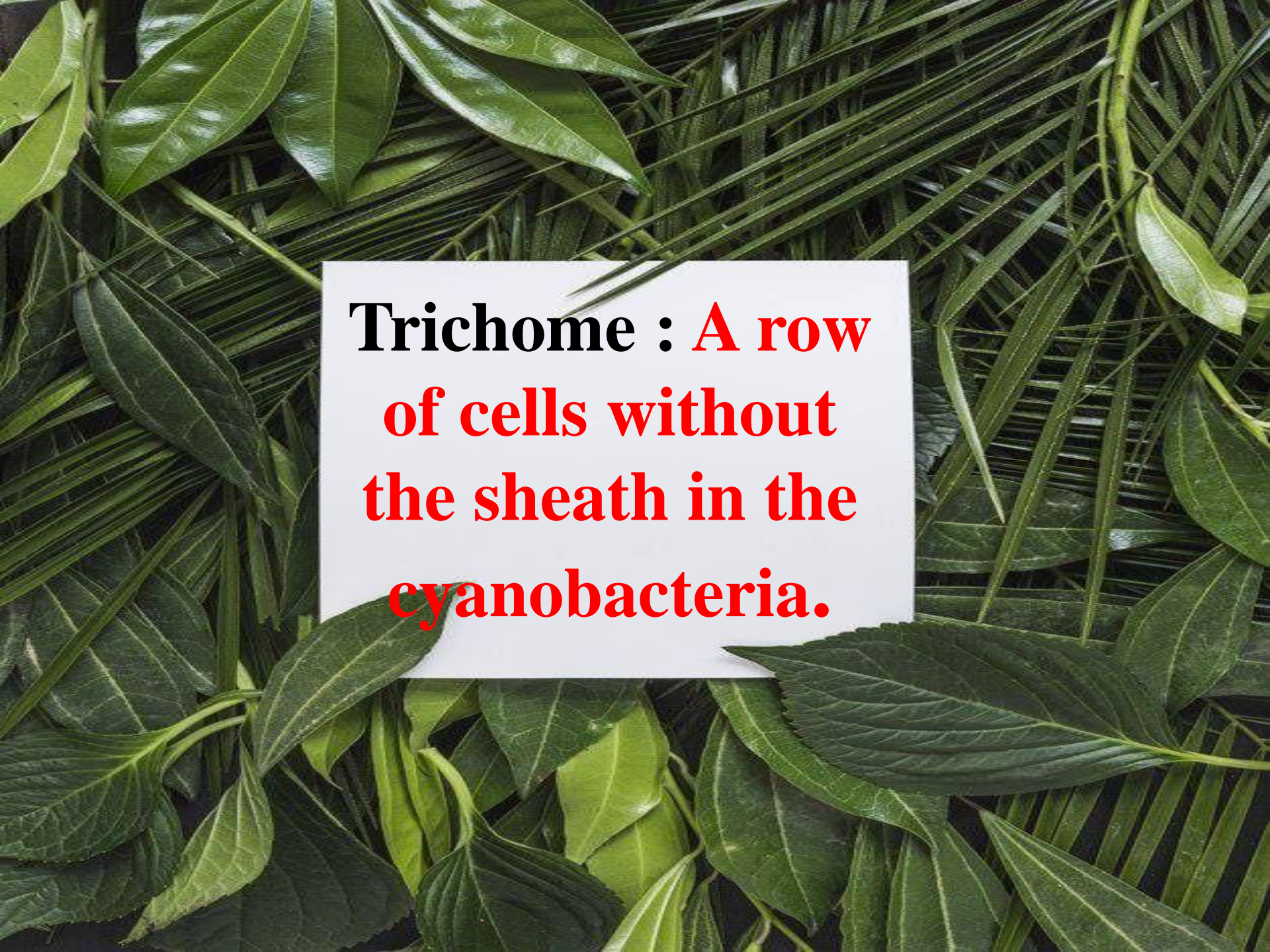
**By**

**Msc. Zainab Nadhum Aziz**

# Classification of Cyanobacteria

## ✓ 2- Oscillatoriales:-

- -Single filamentous forms consisting of a trichome , is a chain of vegetative cells; a cyanobacterial trichome is often surrounded by a slimy sheath , lacking heterocysts and akinetes , these relatively simple algae occur as planktonic or benthic aggregations. In some cases they form dense mats on mud or rocky substrata. Such as **Oscillatoria sp.**



**Trichome : A row  
of cells without  
the sheath in the  
cyanobacteria.**

**Filament:** One or more trichomes enclosed in a sheath



# Classification of Cyanobacteria

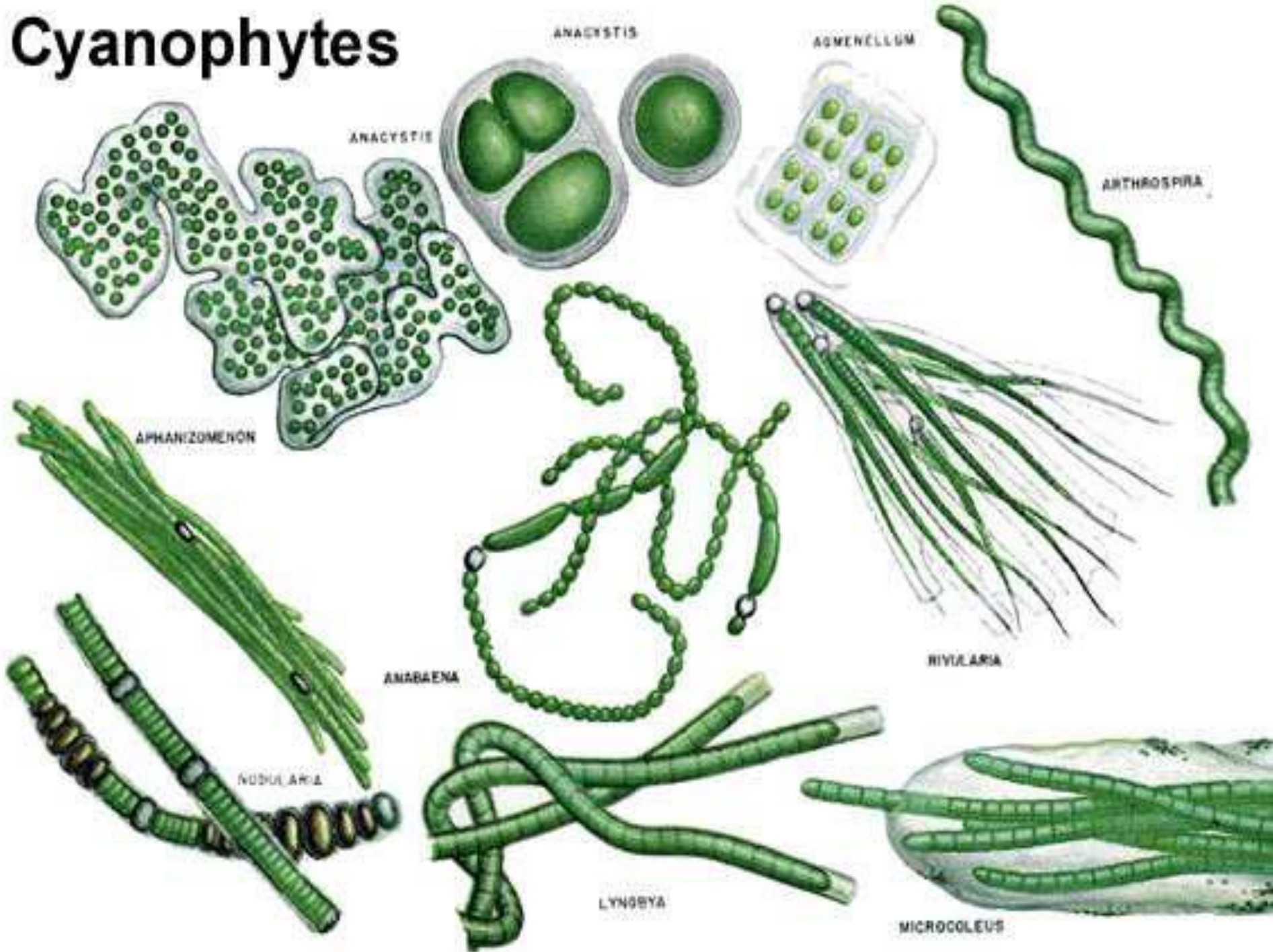
## ✓ 3-Nostocales:-

- - Filamentous algae . planktonic or benthic.
- - Uniseriate trichomes, with **akinetes** or **heterocysts** unbranched or falsebranching. *e.g. Anabaena sp.*

## ✓ 4-Stigonematales:-

- - Uni or multiseriate trichomes, with akinetes and heterocysts, True branching such stigonema.

# Cyanophytes



A horizontal, textured brushstroke in shades of golden-brown and tan, with irregular, feathered edges. The texture is grainy and resembles a dry brush or watercolor effect. The words "Thank You" are written in a black, elegant cursive script across the center of this brushstroke.

Thank You