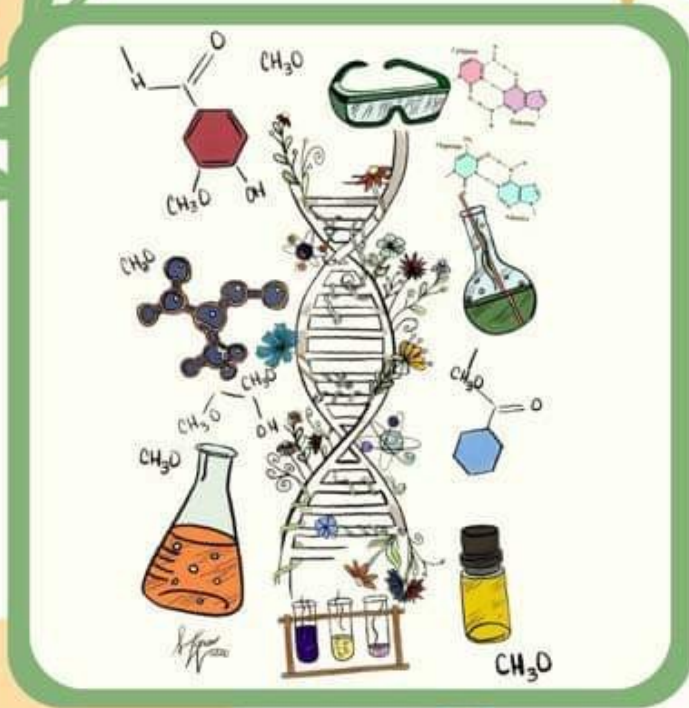


تفريغ عقاير



اسم الموضوع: General intro

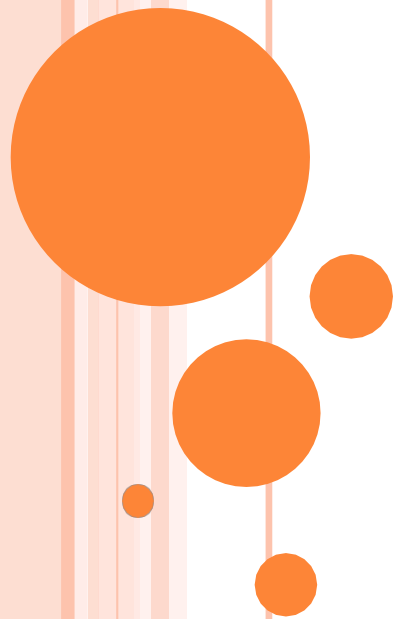


إعداد الصيدلاني/ة: ياسمين خليل



لجان الرِّفَعَات

PHARMACOGNOSY



GENERAL INTRODUCTION



هذا العلم لا يقتصر فقط على النباتات بل أشياء طبيعية أخرى

Pharmacognosy

natural product : plants , fungi
and seaweed

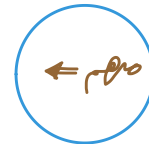
only plants → phyto ② pharmacognosy مواد الغرويين

Pharmacognosy deals with “the study of structural, physical, chemical and sensory characters of crude drugs and includes their history, cultivation, collection, storage and use.” As well as the search for new drugs from natural sources.

It deals with all medicinal plants, including those yielding complex mixtures, which are used in the form of crude herbs (comminuted herbal substance) or extracts (phytotherapy), pure compounds such as morphine, and foods having additional health benefits only in the context of having preventive effects (nutraceuticals).

Food = supplement → احتياج صحت
differ from (additives) دوائى
drug → (active ingr...)

→ extracts from opium : أفيون مادة مخدرة



History of Pharmacognosy

- Natural products, especially those derived from plants, have been used for medicinal purposes since ancient times. استخدام النباتات منذ زمن قديماً
- ^{الواجب} Clay tablets of the Babylonian, Assyrian, and Sumerian eras dated 2600 - 4000 BC are thought to be the earliest recordings of plant usage as herbal remedies. ^{usage}
- ^{جدران القبور} Egyptians also had many paintings of medicinal plants on their tomb walls dated around 2200 – 2700 BC. The Ebers papyrus, which dates from around 1550 BC, is the most famous medical document of ancient Egypt and contains more than 800 medicinal recipes using medicinal plants. هاد الشخص على جدار قبوره أكثر من 800 وصفة طبية
- This centuries-old usage of natural products certainly continues into the present, as half of prescription drugs in the market today contain plant-derived ingredients

The term ^{drug}**pharmac**^{knowledge}**ognosy** was introduced by A. Seydler, a medical student in Halle/Saale, Germany, in 1815 (A small work by Seydler entitled *Analecta Pharmacognostica*).

This term originates from 2 Greek words:

- **pharmakon**: **drug** 
- **gnosis**: **knowledge**

Today, pharmacognosy is a **highly specialized science** that represents one of the **major** disciplines of pharmaceutical education. It gained its importance nowadays as a result of the intense concern with all aspects of **ecology**, causing renewed interest in so-called '**natural**' **foods and drugs**.
→ active supplement (inactive) →

The availability of an extremely wide variety of these natural products, ranging from **fenugreek tea** to **ginseng chewing gum**, has also stimulated the public to learn more about them.