

Medicinal Chemistry Department

1- Extraction of phytochemical compounds from natural resources (medicinal plants- marines-microbes).

Duration: 7 days

Fees:1000EGP for Egyptians / 400\$ for non-Egyptians

2- Fractionation of natural extracts by (n-hexane, Petroleum ether, Ethyl acetate, n-butanol).

Duration: 3 days

Fees:500 EGP for Egyptians / 200\$ for non-Egyptians

3- Phytochemical screening for natural extracts (Tests for Alkaloids, Saponins, Flavonoids, Phenolics, Steroids and Anthraquinones).

Duration: 4 days

Fees:500 EGP for Egyptians / 200\$ for non-Egyptians

4- Quantitative estimation of total phenolic, flavonoids and tannins. Duration: 3 days

Fees:500 EGP for Egyptians / 200\$ for non-Egyptians

5- Estimation of antioxidant activity for extracts and pure compounds by different chemical methods.

Duration: 7 days

Fees: 1000 EGP for Egyptians / 400\$ for non-Egyptians

6- Separation, isolation and purification of phytochemical compounds by different chromatographic techniques (Column chromatography, Paper chromatography, Thin layer chromatography).

Duration: 7 days

Fees: 1500 EGP for Egyptians / 600\$ for non-Egyptians

7- Qualitative and quantitative estimation of phytochemicals by analytical high performance liquid chromatography with photodiode array/ultraviolet detector (Analytical UV/PDA-HPLC).

Duration: 7 days

Fees:2000 EGP for Egyptians / 800\$ for non-Egyptians

8- Isolation and purification of phytochemicals by preparative high performance liquid chromatography with photodiode array/ultraviolet detector (Preparative UV/PDA-HPLC).

Duration: 7 days

Fees:2000 EGP for Egyptians / 800\$ for non-Egyptians

In all courses the available places are at least 5 persons/program.

More than one program for the same person at the same time can be available (with suitable discount).

