1-Biochemistry analysis lab

***High performance liquid [HPLC] chromatography**

-Identifying& quantifying component compounds the sample

-Used in analytical, organic, bio- chemistry and pharmaceutical analysis

***UV-VIS Spectrophotometer**

-Identifying classes of compounds in both liquid & solid states

-Determination of concentration

-Enzyme assay

***Microscope with digital camera**

Capture high quality images of samples

***Real time PCR**

Quantification of gene expression

***Deep freezer -80ºC**

Safe, reliable storage of blood, plasma, tissues & organs at -80ºc

2- Material analysis lab

***Fluorescence spectrophotometer**

Florescence emission measuring of compounds in both solid &liquid state

***FT-IR Spectrophotometer**

-Qualitative & quantitative analysis in the infrared region

-Medical application: kidney stone composition analysis

***Thermal analysis**

Studying the change of compound properties with temperature variation from room temperature to 1100ºC

3- Atomic Absorption lab

***Atomic absorption spectroscopy**

Determination of heavy metal concentration

4- Gas-Chromatography Lab

***(GC-MS)Gas chromatography – mass spectrometric**

Qualitative & Quantitative analysis of different organic compounds in all kind of samples

5- Radiation Measurement Lab

-Radiation measurement of environmental samples [air, water, plant, solid]

-Offering the consulting serves according to the international standards [mixed analyze performance evaluation program MAPEP]

6- Centrifuge Lab

***Ultra centrifuge** (100,000 rpm)

***High speed centrifuge** (12,000rpm)

***Bench top micro centrifuging** (14,000 rpm)

***R.O. Water Unit**

Reverse osmosis water, De ionized water

7- Tensile (tension) Testing Lab

Measuring ultimate tensile strength, breaking strength, maximum elongation & area reduction of the sample

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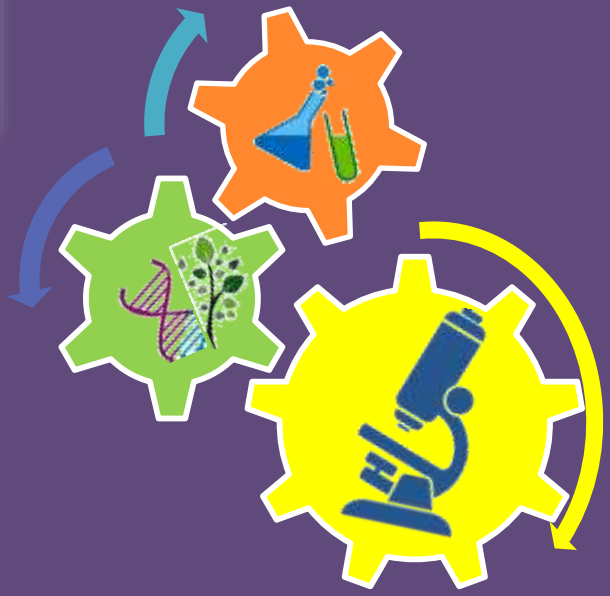

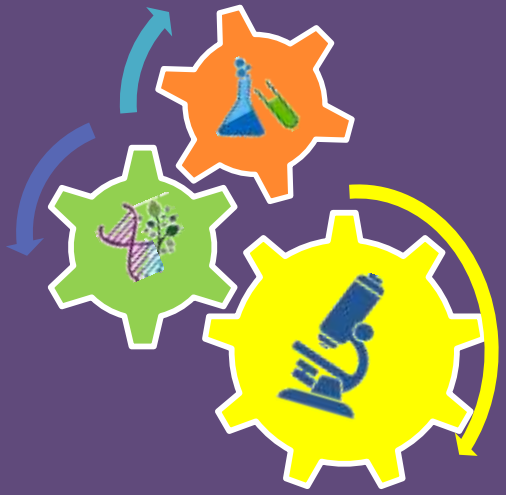

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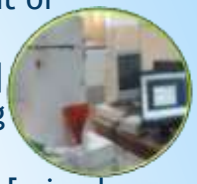

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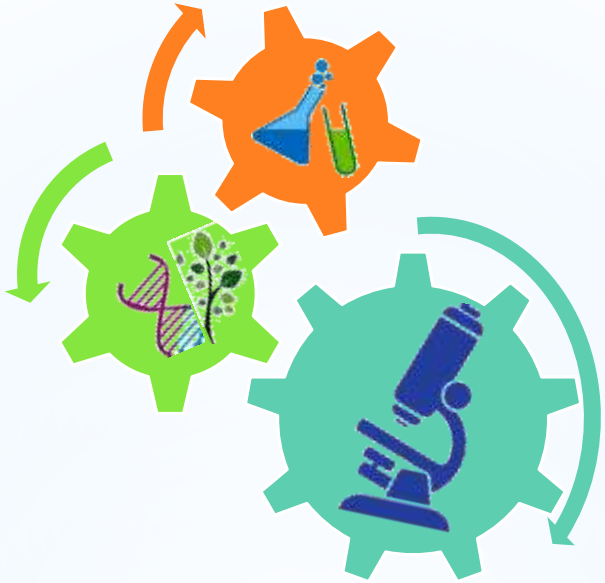

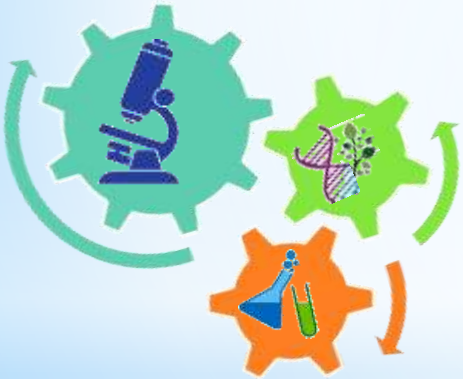

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