

Assist. Lecturer Zainab Haytham Razooki Hassan

Biology department

Assist. Lecturer -Botany science, Responsible for the Scientific Unit.



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Education:

MSc, University of Baghdad, 2018-2019

BSc, University of Baghdad, 2011-2012

Profile:

- **An external lecturer in the laboratories of the Department of biology- College of Science - University of Baghdad for the academic years 2013-2014 and 2014-2015.**
- **Assistant lecturer at Al-FARABI University College from 1/10/2016 until now.**
- **Rapporteur of the College Council at Al-FARABI University College from 2/1/2020 to 24/8/2021.**
- **Responsible for the Scientific Unit at Al-FARABI University College from 28/8/2021 until now.**

Teaching

1. Plant physiology (Theoretical + Practical) / third stage / Biology Department:-

The focus will be on the physiological and biochemical functions of plants, but it is important to recognize that these functions depend on structures, whether the process is gas exchange in the leaf, water conduction in the xylem, photosynthesis in the chloroplast, or ion transport across the plasma membrane. At every level, structure and function represent different frames of reference of a biological unity.

2. Medicinal plants (Theoretical + Practical) / third stage / Biology department :-

The focus will be on the Classification of medicinal plants which are organized in different ways depending on the criteria used. In general, medicinal plants are arranged according to

their active principles in their storage organs of plants, particularly roots, leaves, flowers, seeds and other parts of plant.

Research Focus

1. The growth of green algae and the invention of ways to grow it for a period longer than its normal growth period.
2. Production of biofuel from the third generation, which is algae.
3. Studying the distribution of algae to treat water pollution from industrial waste.

Publications

- Research published in the Journal of Plant Archives (International Journal of plant Research) entitled: (Effect of the Aqueous Carbon Source on Growth Rate of the Microalgae *Coelastrella Sp.*Mh923012).
[http://www.plantarchives.org/SPL%20ISSUE%20SUPP%202,2019/247%20\(1420-1425\).pdf](http://www.plantarchives.org/SPL%20ISSUE%20SUPP%202,2019/247%20(1420-1425).pdf)
- Research published in Materials Today: Proceedings (ELSEVIER Journal) entitled: (Biomaterial composition of the microalga *Coelastrella sp.* (MH923012): Effect of carbon source).
<http://dx.doi.org/10.1016/j.matpr.2019.09.200>

Affiliations/Activities

- Graduation certificate from the computer course, with distinction, at the Iraqi-Korean Vocational Training Center.
- Certificate of participation in the Business Innovation Program (B.I.P) course at the Iraqi-Korean Vocational Training Center.
- Certificate of participation in the 2nd International Conference on Materials Engineering & Science (IconMEAS 2019) at the University of Technology.